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NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

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

Consultant - Camp Dresser & McKee

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

Name: Mathew F. Colone Phone: 919-787-5620

E-mail: colonemf@cdm.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Wake County North Wake Closed Landfill	9004 Deponie Drive Raleigh, NC 27615	92-09	.1600	December 2-4, 2009

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

Notification attached?

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

Certification

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

Mathew F. Colone	Consultant	(919) 787-5620
Facility Representative Name (Print)	Title	(Area Code) Telephone Number
Signature	01/12/10 Date	Affix NC Licensed Professional Geologist/Engineer Seal here:

NORTH CAROLINA PROFESSIONAL SEAL 1851 GEOLOGIST MATTHEW F. COLONE

1/12/2010

Revised 01/2007

Wake County,
North Carolina

North Wake Unlined Landfill Semi-Annual Sampling Report (December 2009 Sampling Event)

January 2010

Report

CDM

5400 Glenwood Avenue, Suite 300
Raleigh, North Carolina 27612
tel: 919 787-5620
fax: 919 781-5730

January 11, 2009

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

Subject: December 2009 Semi-Annual Monitoring Sampling Report
North Wake Unlined Landfill
Facility Permit # - 9209

Dear Ms. Drummond:

CDM, on behalf of Wake County, is submitting one copy of the December 2009 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 second semi-annual sampling event for 2009.

The groundwater monitoring network consists of the following wells: MW-11 (shallow background well), MW-11d (deep background well), 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-28, MW-28d, MW-29d, MW-30, MW-31, MW-31d, MW-32, MW-33, MW-34, MW-34d, MW-35, MW-36, MW-36d, TB-1a, and TB-1a deep and surface water sampling locations SW-2, SW-3, SW-7, and SW-8. Monitoring wells MW-28, MW28d, MW-33, MW-34, MW-34d, and MW-35 are only sampled during the spring event.

MW-5R was sampled in place of MW-5 and is approximately 50 feet downgradient of MW-5. MW-5R was installed in the spring of 2004 at the request of the Solid Waste Section. MW-27 was abandoned while MW-36 and MW-36d were being installed on November 24 and 25, 2008. MW-36 and MW- 36d are a nested pair of monitoring wells installed down-gradient of MW-9 and triangulated with MW-6 and MW-6d. These wells were installed in order to determine if contaminants had migrated beyond the facility boundary. SW-7 and SW-8 are new surface water sampling locations on Abbot's Creek along the northern edge of the landfill.

All groundwater samples were analyzed for Appendix II Volatile Organic Compounds (VOCs) and metals. In addition, samples from monitoring wells MW-5R, -6, -8, -9, -10, -11, and TB-1a were analyzed for natural attenuation parameters. Sampling results plus 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 from December 2-4, 2009. Groundwater samples were collected by use of a peristaltic pump or 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 provide fresh formation water within the well water column. Each well volume and surface water sample was measured in the field for pH, conductivity, temperature, turbidity, dissolved oxygen (DO), and oxidation-reduction potential (ORP). The field parameters at the time of sampling are presented in **Table 1**.

Sampling Results

All groundwater and surface water samples were analyzed by SGS Environmental Inc. in Wilmington, North Carolina for the North Carolina Appendix I plus detected Appendix II VOCs and metals. Select wells (MW-5R, -6, -8, -9, -10, -24, and TB-1a) were sampled for monitored natural attenuation (MNA) parameters biochemical oxygen demand, chemical oxygen demand, alkalinity, nitrate, chloride, sulfate, sulfide, total organic carbon, carbon dioxide, methane, ethane, ethene, ferrous iron, volatile fatty acids, dissolved oxygen (DO), and oxidation/reduction potential (ORP) in addition to the Appendix II constituents. Wells MW-5R, MW-6, and MW-8 were also analyzed for dissolved hydrogen.

In accordance with Solid Waste Section guidelines the analytical results were reported to the laboratory specific method detection limit (MDL) and are quantifiable at or below Solid Waste Section Limits (SWSLs). All monitoring wells and surface water locations for the Unlined Landfill had detections of analytes above the MDL with a majority of the detections below SWSLs. These detections were qualified as estimated or "J" flags. "B" flags, which indicate the amount detected in the method blank was greater than the MDL, were also reported.

The following list summarizes which analytes were detected above the SWSL at each sample location. Underlined analytes exceeded the North Carolina 2L Standard (2L), Groundwater Protection Standard, or the North Carolina Surface Water Standards for Class C Waters (2B). The 2L Standard for several compounds was revised effective January 1, 2010. The December 2009 semi-annual sampling report has been updated to include the revised groundwater quality standards.

CDM

Estimated concentrations exceeding the 2L, 2B, or Groundwater Protection Standard are noted in bold. A complete summary of all detected and estimated concentrations for this and previous events is presented on **Table 3**. Copies of the laboratory reports are provided in **Appendix A**.

MW-11 (Shallow Background)

Metals:	Barium, Beryllium, Chromium, Cobalt, Copper, Lead, Selenium, Vanadium, Zinc
Volatile Organic Compounds:	None Detected
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

MW-11d (Deep Background)

Metals:	**Vanadium**
Volatile Organic Compounds:	None Detected
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

MW-5R

Metals:	Barium, Nickel, **Vanadium**, Zinc
Volatile Organic Compounds:	None Detected
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

MW-6

Metals:	Barium, Cobalt
Volatile Organic Compounds:	Benzene, p-Dichlorobenzene, Vinyl Chloride
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

MW-6d

Metals:	Barium, **Vanadium**
Volatile Organic Compounds:	1,1-Dichloroethane
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

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MW-7

Metals:	Chromium, Cobalt, Copper, **Vanadium**, Zinc
Volatile Organic Compounds:	Benzene, p-Dichlorobenzene, Vinyl Chloride
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

MW-8

Metals:	**Vanadium**, Zinc
Volatile Organic Compounds:	cis-1,2-Dichloroethene
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

MW-8d

Metals:	**Vanadium**
Volatile Organic Compounds:	None Detected
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

MW-9

Metals:	Barium, **Vanadium**
Volatile Organic Compounds:	Benzene, p-Dichlorobenzene, 1,1-Dichloroethane, **1,2-Dichloroethane**, **1,2-Dichloropropane**, Vinyl Chloride
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

MW-10

Metals:	**Vanadium**
Volatile Organic Compounds:	Benzene, Trichloroethene, cis-1,2-Dichloroethene, 1,1-Dichloroethane, Tetrachloroethene, **Vinyl Chloride**
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

MW-10d

Metals:	None Detected
Volatile Organic Compounds:	Methylene Chloride
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

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MW-22

Metals:	Cadmium, Cobalt, **Vanadium**
Volatile Organic Compounds:	None Detected
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

MW-23

Metals:	Copper, **Vanadium**
Volatile Organic Compounds:	None Detected
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

MW-23d

Metals:	Lead, **Vanadium**, Zinc
Volatile Organic Compounds:	None Detected
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

MW-24

Metals:	Copper, Lead, **Vanadium**, Zinc
Volatile Organic Compounds:	Chloroform
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

MW-29d

Metals:	Copper, **Vanadium**
Volatile Organic Compounds:	None Detected
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

MW-30

Metals:	**Chromium**, Copper, Lead, **Vanadium**, Zinc
Volatile Organic Compounds:	None Detected
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

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MW-31

Metals:	Chromium, Copper, Lead, **Vanadium**, Zinc
Volatile Organic Compounds:	None Detected
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

MW-31d

Metals:	**Vanadium**, Zinc
Volatile Organic Compounds:	Chloroform
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

MW-32

Metals:	None Detected
Volatile Organic Compounds:	None Detected
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

TB-1a

Metals:	Cadmium, Copper, **Vanadium**, Zinc
Volatile Organic Compounds:	Chloroform
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

TB-1a deep

Metals:	Chromium, **Vanadium**, Zinc
Volatile Organic Compounds:	Chloroform
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

MW-36

Metals:	**Vanadium**
Volatile Organic Compounds:	cis-1,2-Dichloroethene, p-Dichlorobenzene, Trichloroethene, 1,1-Dichloroethane, **Tetrachloroethene**, **Vinyl Chloride**
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

CDM

MW-36d

Metals:	Chromium, Copper, **Vanadium**
Volatile Organic Compounds:	Trichloroethene, 1,1-Dichloroethane, Methylene Chloride, **Tetrachloroethene**
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

SW-2

Metals:	**Copper**
Volatile Organic Compounds:	None Detected
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

SW-3

Metals:	Copper, Zinc
Volatile Organic Compounds:	None Detected
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

SW-7

Metals:	**Copper**
Volatile Organic Compounds:	None Detected
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

SW-8

Metals:	**Copper**, Zinc
Volatile Organic Compounds:	None Detected
Semi-Volatile Organic Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

Samples collected from MW-24, MW-32, MW-36, and the equipment blank had detections of bromomethane, chloromethane, and iodomethane. The chloromethane detections were above the 2L Standard. These compounds were detected as a result of solvent contamination in HCl preserved bottles as noted by the laboratory in the analytical results. Historically, bromomethane, chloromethane, and iodomethane have never been detected in samples collected from these wells.

The equipment blank had "J" flag detections of bromomethane, iodomethane, barium, chromium, copper, silver, vanadium, and zinc. In addition, chloromethane was also detected. The trip blank had "J" flag detections of methylene chloride and toluene.

The duplicate sample, MW-14, was collected from MW-7 and had similar concentrations to the MW-7 samples. A complete summary of all detected constituents, including detections above the MDL, is presented in **Table 3**. Laboratory results are provided in electronic format at the end of 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, the MDL was substituted. The Test of Proportions was used only for metal's comparisons where greater than 50% of the data was non-detect.

For the December 2009 sampling event, the following constituents were found to be statistically significant: cobalt and benzene in MW-6; 1,1-dichloroethane in MW-6d; cis-1,2-dichloroethene in MW-8; benzene, p-dichlorobenzene, cis-1,2-dichloroethene, 1,1-dichloroethane, and vinyl chloride in MW-9; benzene, 1,1-dichloroethane, cis-1,2-dichloroethene, tetrachloroethene, and trichloroethene in MW-10; cadmium and cobalt in MW-22; chloroform in MW-24; chromium in MW-31, chloroform inMW-31d, TB-1a, and TB-1a deep.

Statistical analysis will be performed on constituents detected in groundwater samples from monitoring wells MW-36 and MW-36d after four sampling events. The December 2009 sampling event constitutes the third sampling event.

Table 4 presents a summary of all parameters detected during the December 2009 sampling event that exceeded the 2L Standard, Groundwater Protection Standard, or were statistically significant.

Monitored Natural Attenuation

Additional groundwater samples are collected from MW-5, -6, -8, -9, -10, -11, and TB-1a for evaluation of monitored natural attenuation. These parameters include biological oxygen demand, chemical oxygen demand, alkalinity, nitrate, chloride, sulfate, sulfide, total organic carbon, carbon dioxide, methane, ethane, ethene, ferrous iron, volatile fatty acids, dissolved

hydrogen, and field measurements of pH, temperature, conductivity, ORP and DO. Results are presented in **Table 5**. The laboratory data for the additional parameters is included in the electronic format data.

As discussed in the approved Assessment of Corrective Measures Report (June 2009), concentrations of some of the data from select wells indicate that environments are present which favor 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.
- 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.

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 appears to further reduce groundwater contaminant concentrations. The perimeter landfill gas remediation vacuum system was initiated in January 2002.

Recommendations

Wake County will continue with the semi-annual assessment monitoring program. In addition to the Appendix I and detected Appendix II constituents, samples collected from MW-5, -6, -8, -9, -10, -11, and TB-1a will continue to be analyzed for natural attenuation parameters during the semi-annual events. It is likely that the detections of chloroform in MW's –24, -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. Groundwater samples from the annually monitored wells (MW-28, -28d, -33, -34, -34d, -35) will be collected during the spring sampling event. In addition, detected Appendix II constituents (SVOCs, pesticides, herbicides) are collected annually and will be collected during the spring 2010 event.

CDM

The County has evaluated the detections in MW-36 and MW-36d and proposed a corrective action to remediate groundwater in this area. The Selected Remedy of monitored natural attenuation paired with in situ remediation by air sparging was approved by the Solid Waste Section in December 2009. A Corrective Action Plan will be submitted for approval prior to implementation of the remedy per Rule .1637.

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

Very truly yours,

Mat Colone

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

cc: Lee Squires , WCSWM
Bob Brossoie, CDM

Table 1
Water Quality Field Parameters - December 2009
North Wake Unlined Landfill

	Field Measurements						Groundwater Elevations		
Monitoring Well I.D.	pH (-)	Conductivity (μS)	Temperature (deg. C)	Turbidity (NTU)	DO (mg/L)	ORP (-)	TOC Elevation (feet AMSL)	Depth to Groundwater (feet)	Groundwater Elevation (feet AMSL)
MW-5R	5.78	249	16.7	3	0.99	272.4	225.28	15.37	209.91
MW-6	6.23	1,321	17.6	10	1.44	90.1	219.80	11.25	208.55
MW-6d	6.20	202	16.6	81	1.34	216.5	218.61	11.87	206.74
MW-7	6.10	624	17.5	283	2.47	58.8	234.15	11.72	222.43
MW-8	6.11	172	17.5	58	1.28	82.5	226.38	10.28	216.10
MW-8d	6.19	177	15.9	1	3.58	170.7	226.16	11.61	214.55
MW-9	6.38	514	17.5	323	1.52	-7.3	242.69	30.05	212.64
MW-10	6.09	239	16.9	139	2.17	148.2	274.76	44.59	230.17
MW-10d	6.14	176	17.0	50	4.51	167.2	274.54	47.34	227.20
MW-11	5.79	109	16.4	>1,000	6.38	246.0	343.63	44.17	299.46
MW-11d	5.93	121	16.6	824	6.12	185.9	343.27	44.39	298.88
MW-22	5.88	208	15.5	>1,000	6.03	139.0	254.62	35.06	219.56
MW-23	5.79	98	15.6	>1,000	6.99	266.3	274.83	45.45	229.38
MW-23d	5.87	160	15.8	809	4.38	192.2	274.89	45.64	229.25
MW-24	5.70	123	16.3	>1,000	7.67	203.2	266.64	45.31	221.33
MW-27	**ABANDONED**						**ABANDONED**		
MW-28	**NOT SAMPLED**						**NOT SAMPLED**		
MW-28d	**NOT SAMPLED**						**NOT SAMPLED**		
MW-29d	5.84	171	15.9	25	5.98	212.6	275.06	42.01	233.05
MW-30	5.90	172	15.5	>1,000	6.57	237.9	282.32	51.07	231.25
MW-31	5.72	212	16.7	>1,000	5.89	263.0	261.67	32.91	228.76
MW-31d	6.08	210	17.0	82	3.06	240.7	260.92	32.35	228.57
MW-32	5.37	119	16.3	572	4.06	267.4	242.99	16.80	226.19
TB-1a	6.24	200	16.2	>1,000	1.97	88.1	255.05	28.33	226.72
TB-1a deep	6.00	190	16.3	174	1.56	154.6	256.01	30.47	225.54
MW-33	**NOT SAMPLED**						**NOT SAMPLED**		
MW-34	**NOT SAMPLED**						**NOT SAMPLED**		
MW-34d	**NOT SAMPLED**						**NOT SAMPLED**		
MW-35	**NOT SAMPLED**						**NOT SAMPLED**		
MW-36	5.74	241	15.3	>1,000	2.45	63.7	237.40	26.70	210.70
MW-36d	6.11	321	16.0	38	1.44	72.1	237.68	26.91	210.77
SW-2	7.09	80	12.6	62	9.68	159.4			
SW-3	7.76	116	12.3	125	10.22	97.1			
SW-7	7.05	93	12.5	63	10.20	165.1			
SW-8	7.51	94	12.1	84	10.10	137.5			

NOTES:
(1) AMSL - Above Mean Sea Level
(2) TOC - Top of Casing
(3) SW - Surface Water
(4) MW-27 was abandoned on November 24, 2008 in accordance with 15A NCAC 2C .0113
(5) MW-36/36d installed November 2008
(6) Monitoring wells MW-28, -28d, -33, -34, and -35 sampled yearly during the spring event

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

	Sampling Date:		11/11/2005		4/13/2006		11/9/2006		4/17/2007		11/9/2007	
Monitoring Well Designation	Hydraulic Conductivity ft/day (cm/s)	Effective Porosity	Gradient	Average Linear Velocity (ft/day)	Gradient	Average Linear Velocity (ft/day)	Gradient	Average Linear Velocity (ft/day)	Gradient	Average Linear Velocity (ft/day)	Gradient	Average Linear Velocity (ft/day)
MW-5R	0.33 1.16E-04	0.18	0.0179	3.28E-02	0.0417	7.65E-02	0.0399	7.32E-02	0.0125	2.29E-02	0.0119	2.18E-02
MW-6	10.58 3.73E-03	0.13	0.0172	1.40E+00	0.0172	1.40E+00	0.0172	1.40E+00	0.0132	1.07E+00	0.0125	1.02E+00
MW-7	1.15 4.06E-04	0.18	0.0172	1.10E-01	0.0172	1.10E-01	0.0172	1.10E-01	0.0208	1.33E-01	0.0278	1.78E-01
MW-8	3.61 1.27E-03	0.18	0.0217	4.35E-01	0.0313	6.28E-01	0.0313	6.28E-01	0.0135	2.71E-01	0.0125	2.51E-01
MW-9	1.22 4.30E-04	0.30	0.0152	6.18E-02	0.0152	6.18E-02	0.0152	6.18E-02	0.0200	8.13E-02	0.0172	6.99E-02
MW-10	0.509 1.80E-04	0.05	0.0250	2.55E-01	0.0250	2.55E-01	0.0250	2.55E-01	0.0417	4.25E-01	0.0556	5.66E-01
MW-11	5.66 2.00E-03	0.13	0.0200	8.71E-01	0.0204	8.88E-01	0.0204	8.88E-01	0.0213	9.27E-01	0.0213	9.27E-01
MW-22	0.07 2.47E-05	0.18	0.0278	1.08E-02	0.0385	1.50E-02	0.0385	1.50E-02	0.0400	1.56E-02	0.0278	1.08E-02
MW-23	3.59 1.27E-03	0.30	0.0208	2.49E-01	0.0227	2.72E-01	0.0227	2.72E-01	0.0208	2.49E-01	0.0196	2.35E-01
MW-24	0.34 1.20E-04	0.30	0.0161	1.82E-02	0.0156	1.77E-02	0.0156	1.77E-02	0.0313	3.55E-02	0.0417	4.73E-02
MW-36	17.56 6.19E-03	0.30										
MW-36D	0.78 2.75E-04	0.10										

Notes:
(1) MW-36/36D installed November 2008

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

	Sampling Date:		5/15-21/2008		11/5-08/2008		3/10-13/2009		12/02-04/2009	
Monitoring Well Designation	Hydraulic Conductivity ft/day (cm/s)	Effective Porosity	Gradient	Average Linear Velocity (ft/day)	Gradient	Average Linear Velocity (ft/day)	Gradient	Average Linear Velocity (ft/day)	Gradient	Average Linear Velocity (ft/day)
MW-5R	0.33 1.16E-04	0.18	0.0230	4.21E-02	0.0232	4.26E-02	0.0229	4.20E-02	0.0230	4.22E-02
MW-6	10.58 3.73E-03	0.13	0.0202	1.65E+00	0.0203	1.65E+00	0.0203	1.65E+00	0.0200	1.63E+00
MW-7	1.15 4.06E-04	0.18	0.0250	1.60E-01	0.0251	1.61E-01	0.0251	1.60E-01	0.0251	1.61E-01
MW-8	3.61 1.27E-03	0.18	0.0243	4.87E-01	0.0242	4.85E-01	0.0241	4.84E-01	0.0242	4.86E-01
MW-9	1.22 4.30E-04	0.30	0.0197	8.00E-02	0.0198	8.05E-02	0.0197	8.02E-02	0.0198	8.04E-02
MW-10	0.509 1.80E-04	0.05	0.0168	1.71E-01	0.0171	1.74E-01	0.0170	1.73E-01	0.0171	1.74E-01
MW-11	5.66 2.00E-03	0.13	0.0212	9.23E-01	0.0213	9.29E-01	0.0211	9.17E-01	0.0211	9.19E-01
MW-22	0.07 2.47E-05	0.18	0.0181	7.03E-03	0.0181	7.04E-03	0.0181	7.04E-03	0.0182	7.06E-03
MW-23	3.59 1.27E-03	0.30	0.0194	2.33E-01	0.0196	2.34E-01	0.0196	2.34E-01	0.0196	2.34E-01
MW-24	0.34 1.20E-04	0.30	0.0244	2.76E-02	0.0246	2.78E-02	0.0245	2.78E-02	0.0247	2.80E-02
MW-36	17.56 6.19E-03	0.30					0.0194	1.14E+00	0.0194	1.14E+00
MW-36D	0.78 2.75E-04	0.10					0.0193	1.50E-01	0.0193	1.51E-01

Notes:
(1) MW-36/36D installed November 2008

Table 3a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
NC2L		**10**	**700**	**4***	**2**	**10**	**70***	**1,000**	**15**	**1**	**100**	**20**	**20**	**NE**	**0.28***	**3.5***	**1,000**
SWSL		**10**	**100**	**1**	**1**	**10**	**10**	**10**	**10**	**0.2**	**50**	**10**	**10**	**100**	**5.5**	**25**	**10**
MW-11	15-Apr-94		221				23	54	14							**50**	88
MW-11	11-May-94		146				19	55	14							**50**	83
MW-11	10-Jun-94		191				27	111	7.6		20					**90**	114
MW-11	3-Oct-94		143			**16**	26	74	8							**60**	85
MW-11	13-Jun-95																
MW-11	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-11	31-Oct-95	11	842	**8**		**24**	**71**	331	**26**		87					**117**	314
MW-11	22-Mar-96						15			**1.8**						**51**	70
MW-11	29-Nov-96	35															
MW-11	22-Apr-97																130
MW-11	31-Oct-97																66
MW-11	11-May-98																
MW-11	8-Dec-98				**2.1**												
MW-11	14-Apr-99																
MW-11	30-Nov-99																
MW-11	5-Apr-00				1.2												
MW-11	18-Dec-00																
MW-11	18-Apr-01																
MW-11	27-Nov-01		311					16.5									29.7
MW-11	5-Apr-02																
MW-11	5-Nov-02																
MW-11	15-Apr-03																
MW-11	29-Oct-03																
MW-11	18-Nov-04																
MW-11	21-Apr-05																
MW-11	11-Nov-05																83
MW-11	14-Apr-06																
MW-11	10-Nov-06																82
MW-11	20-Apr-07																21
MW-11	8-Nov-07		332	2.1				39	12							**58**	113
MW-11	15-May-08		77.8J			5.4J		10.5	3.92J				4.48J		**5.63**	2.9J	16.1
MW-11	10-Nov-08		53.1J	3.03	0.35JB	2.73JB		5.94JB	9.78JB				4.02JB			1.14J	8.18J
MW-11	11-Mar-09		99.1JB	**6.29**	0.24J	4.39JB	6.51JB	13.6B	5.84JB				6.34JB			**20.3JB**	20.7
MW-11	3-Dec-09		412	2.36	0.022J	**14.9**	25.4	102B	**19.2**		14.5J	10.7				**99B**	120B
MW-11d	31-Oct-95				**2**												
MW-11d	22-Mar-96				1												
MW-11d	29-Nov-96		26														
MW-11d	22-Apr-97																54
MW-11d	31-Oct-97																26
MW-11d	11-May-98																69
MW-11d	8-Dec-98				1.9												
MW-11d	14-Apr-99																
MW-11d	30-Nov-99																
MW-11d	5-Apr-00																
MW-11d	18-Dec-00																
MW-11d	18-Apr-01																
MW-11d	27-Nov-01																
MW-11d	5-Apr-02									0.3							
MW-11d	5-Nov-02																
MW-11d	15-Apr-03																
MW-11d	29-Oct-03																
MW-11d	18-Nov-04																
MW-11d	21-Apr-05																
MW-11d	11-Nov-05																
MW-11d	14-Apr-06																
MW-11d	10-Nov-06															*	
MW-11d	20-Apr-07																
MW-11d	8-Nov-07																16
MW-11d	15-May-08		59.7J	3.07		6.41J		8.21J	4.59J				3.98J		**6.91**	0.97J	9.82J
MW-11d	10-Nov-08		37.6J		0.36JB	1.94JB		5.8JB	8.5JB				4.37JB			**4.09J**	4.14J
MW-11d	16-Mar-09	4.11J	87.7JB	**6.11B**	0.41J	7.14JB		15.3B	6.94JB				1.22JB			**20.1J**	21.9
MW-11d	4-Dec-09		61.4JB			5.41JB		8.2JB					3.16JB			**7.28JB**	8.85JB

Table 3a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
NC2L		**10**	**700**	**4***	**2**	**10**	**70***	**1,000**	**15**	**1**	**100**	**20**	**20**	**NE**	**0.28***	**3.5***	**1,000**
SWSL		**10**	**100**	**1**	**1**	**10**	**10**	**10**	**10**	**0.2**	**50**	**10**	**10**	**100**	**5.5**	**25**	**10**
MW-5	6-Mar-94		76														110
MW-5	15-Apr-94		60		0.9								**62**				47
MW-5	11-May-94		58		0.5			11									28
MW-5	31-May-94		66				11				17						63
MW-5	10-Jun-94		54						2.5								20
MW-5	30-Sep-94		48										7.3				10
MW-5	13-Jun-95																
MW-5	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-5	31-Oct-95				1												
MW-5 (dup)	31-Oct-95				1												
MW-5	30-Jan-96																237
MW-5	29-Nov-96	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
MW-5	1-Nov-97	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
MW-5	6-Aug-98			2.2	**4.9**	32	24									68	190
MW-5	8-Dec-98				1.5												
MW-5	16-Apr-99				1.5		28.3										
MW-5	2-Dec-99				1		49.8										
MW-5	11-Apr-00						34.8										
MW-5	20-Dec-00						26.9										
MW-5	16-Apr-01						32.1										
MW-5	3-Dec-01						19.3										
MW-5	12-Apr-02						34.9										70.5
MW-5	5-Nov-02						37.7										
MW-5	17-Apr-03						55.1										
MW-5	4-Nov-03		533		**3.06**		**113**										
MW-5 (dup)	4-Nov-03		590		**3.48**		**123**										
MW-5	14-Apr-04				1.52		55.3										
MW-5	18-Nov-04						**166**										57
MW-5	21-Apr-05						18										
MW-5	11-Nov-05						**139**										57
MW-5	14-Apr-06						**90**										
MW-5	9-Nov-06						23										
MW-5	19-Apr-07		125				16										
MW-5	9-Nov-07		164														
MW-5R	21-Apr-04	12.4															
MW-5R	21-May-08		94J	1.42J		2.36J		4.54J									44.1
MW-5R	10-Nov-08		106		0.53JB	2.74JB	5.65J	4.61JB	6.76JB		9.87J		4.41JB			2.76J	8.23J
MW-5R	11-Mar-09		116B	0.63J		4.97JB	10.5B	5.48JB	4.30JB		5.44J		7.03JB			**4.16JB**	9.72J
MW-5R	3-Dec-09		106				3.6J	3.2JB			2.36					**1.45JB**	38.3B

Table 3a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
NC2L		**10**	**700**	**4***	**2**	**10**	**70***	**1,000**	**15**	**1**	**100**	**20**	**20**	**NE**	**0.28***	**3.5***	**1,000**
SWSL		**10**	**100**	**1**	**1**	**10**	**10**	**10**	**10**	**0.2**	**50**	**10**	**10**	**100**	**5.5**	**25**	**10**
MW-6	6-Mar-94		190			**32**	10	33	**18**		33					**63**	51
MW-6	15-Apr-94		144			**20**	12	20	11				7.3			**50**	27
MW-6	11-May-94		175			**30**	13	33	9.3				7.3			**70**	35
MW-6	1-Jun-94		260	**5.4**		**49**	16	28	14		13					**100**	72
MW-6	25-Aug-94		68										7.3				
MW-6	29-Sep-94		110			**19**		19	6.9				7.3			**40**	16
MW-6	13-Jun-95			2		**22**				**2.6**						**41**	
MW-6	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	0.5	NS	NS	NS			NS	NS
MW-6	31-Oct-95									**2.5**							
MW-6	30-Jan-96			**7**		**44**	12		13	**1.8**						**65**	61
MW-6	29-Nov-96		150	2		**20**	6	21	6	0.83						**52**	40
MW-6	22-Apr-97					**12**				**1.1**							67
MW-6	2-Nov-98					**14**				0.54							28
MW-6	6-May-98									0.65							
MW-6 (dup)	6-May-98																
MW-6	8-Dec-98				1.4					0.81							
MW-6	16-Apr-99									0.7							
MW-6	2-Dec-99									0.9							
MW-6	11-Apr-00									**1.1**							
MW-6	19-Dec-00									**1.8**							
MW-6	16-Apr-01									**1.9**							
MW-6	3-Dec-01									0.6							
MW-6	12-Apr-02																
MW-6	5-Nov-02									0.9							
MW-6	17-Apr-03						14.4			0.7							
MW-6	4-Nov-03						30.1			0.464							
MW-6	14-Apr-04	20.6					48.1			0.283							
MW-6	18-Nov-04				2	**47**	**88**			0.53						**41**	
MW-6	21-Apr-05						33										
MW-6	11-Nov-05				1	**19**	50										
MW-6	14-Apr-06				2	**10**	69										
MW-6	9-Nov-06					**10**	65										
MW-6	19-Apr-07		461				**89**										13
MW-6	9-Nov-07		701				61										
MW-6	20-May-08		547	3.34	0.57J	4.84J	**92.3**	14.5	5.31J	0.167J	16.3J		1.6J		**14.8**		32.9
MW-6	11-Nov-08		759B	3.61B	0.25J	7.98JB	**74.4**	20.2B	5.74J		19.1J		10.0B		**15.0**	**7.56JB**	6.90JB
MW-6	11-Mar-09		477B		0.58J	5.14JB	**72.1B**	10.4B	7.43JB	0.143J	14J		8.39JB		**7.8**	**3.78JB**	4.50J
MW-6	3-Dec-09		449	0.61J	0.31J	2.47J	**62.4**	7.16JB			11.4J	3.7J					3.41JB
MW-6d	8-Jun-01																
MW-6d	4-Dec-01																
MW-6d	9-Apr-02																
MW-6d	7-Nov-02																
MW-6d	16-Apr-03																
MW-6d	5-Nov-03																
MW-6d	21-Apr-04					**17.3**											
MW-6d	18-Nov-04				1												
MW-6d	21-Apr-05				1												
MW-6d	11-Nov-05				1												
MW-6d	11-Apr-06				1												
MW-6d	9-Nov-06																
MW-6d	20-Apr-07																11
MW-6d	8-Nov-07																
MW-6d	20-May-08		34.2J	0.98J		5.56J		6.79J								0.61J	
MW-6d	6-Nov-08		80.3JB	1.96B		**16.3B**	4.52J	15.9B	9.04JB		6.77J		8.74JB		**6.3**	**17.8JB**	13.2
MW-6d (dup)	6-Nov-08	2.57J	77.0JB	**11.6B**		**13.5B**	4.63J	14.0B	9.24JB		5.22J		8.35JB			**17.9JB**	12
MW-6d	12-Mar-09		69.7J			2.30J		5.24JB							**5.51**	**7.89JB**	6.82J
MW-6d	3-Dec-09		119			2.39J		6.14JB			5.84J					**6.45JB**	9.62JB

Table 3a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
NC2L		**10**	**700**	**4***	**2**	**10**	**70***	**1,000**	**15**	**1**	**100**	**20**	**20**	**NE**	**0.28***	**3.5***	**1,000**
SWSL		**10**	**100**	**1**	**1**	**10**	**10**	**10**	**10**	**0.2**	**50**	**10**	**10**	**100**	**5.5**	**25**	**10**
MW-7	6-Mar-94		190			**48**	17	110	**22**		21					**67**	82
MW-7	15-Apr-94		136			**30**	11	53	**25**		20					**40**	56
MW-7	11-May-94		51			**30**	11	24	6.8							**40**	29
MW-7	31-May-94		350	**5.4**		**89**	30	180	**34**		40					**140**	150
MW-7	25-Aug-94		44					25	2.7								19
MW-7	29-Sep-94		49			**15**		26	4.7							**20**	20
MW-7	13-Jun-95																
MW-7	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS			NS	NS
MW-7	31-Oct-95																
MW-7	30-Jan-96			2		**35**			10								
MW-7	29-Nov-96		17														
MW-7	21-Apr-97									0.38							
MW-7 (dup)	21-Apr-97									0.22							
MW-7	1-Nov-97									0.58							48
MW-7	6-May-98									0.24							
MW-7	8-Dec-98				**2.6**	**15**				0.25							
MW-7	16-Apr-99																
MW-7	2-Dec-99									0.2							
MW-7	11-Apr-00									0.2							
MW-7 (dup)	11-Apr-00									0.2							
MW-7	19-Dec-00									0.3							
MW-7 (dup)	19-Dec-00									0.3							
MW-7	16-Apr-01																
MW-7	4-Dec-01																
MW-7	9-Apr-02						10.1										
MW-7	6-Nov-02																
MW-7	16-Apr-03						20.3										
MW-7	5-Nov-03						19.2										
MW-7	21-Apr-04						29.5										
MW-7 (dup)	21-Apr-04	12.1					24										
MW-7	18-Nov-04						44										
MW-7	21-Apr-05						44										
MW-7	11-Nov-05						15										
MW-7	11-Apr-06						26										
MW-7	9-Nov-06				**2**	**36**	29			0.63							56
MW-7	20-Apr-07						16										18
MW-7	8-Nov-07				1	**11**	14	13									20
MW-7	15-May-08	2.16J	43.4J			**10.8**	19.3	12.6	4.28J		9.94J	10.4	5.99J		**21.1**		9.72J
MW-7	5-Nov-08	2.68J	38.3JB	**6.84B**		3.42JB		6.81JB	9.68JB				8.61JB	38JB		3.03JB	6.38J
MW-7	10-Mar-09		10.7J			8.23J	19.3	8.17J	4.72J		6.35J		3.42JB			**9.49J**	
MW-7	2-Dec-09		52.8J	0.74J	0.66J	**18.5**	17.5	27.5B			10J					**15.3JB**	13.8B
MW-7 (dup)	2-Dec-09		38.4J	0.56J	0.52J	9.86J	14.5	20.7B			7.69J					**9.07JB**	8.36JB

Table 3a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
NC2L		**10**	**700**	**4***	**2**	**10**	**70***	**1,000**	**15**	**1**	**100**	**20**	**20**	**NE**	**0.28***	**3.5***	**1,000**
SWSL		**10**	**100**	**1**	**1**	**10**	**10**	**10**	**10**	**0.2**	**50**	**10**	**10**	**100**	**5.5**	**25**	**10**
MW-8	6-Mar-94		120			**17**		26			13					**35**	49
MW-8	15-Apr-94		97					22	4.2		20					**30**	35
MW-8	11-May-94		89					20	4.3							**20**	26
MW-8	31-May-94		330	**5.4**		**81**	34	90	**16**		39					**150**	150
MW-8	25-Aug-94		76					13	2.7								21
MW-8	30-Sep-94		82			**20**		14	5.4							**20**	19
MW-8	13-Jun-95					**38**	11									**87**	
MW-8	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS
MW-8	31-Oct-95																
MW-8	30-Jan-96			3		**35**	12									**64**	63
MW-8 (dup)	30-Jan-96			3		**36**	12									**63**	76
MW-8	29-Nov-96		120			**14**	5	21								**31**	54
MW-8 (dup)	29-Nov-96		82														19
MW-8	21-Apr-97					**19**											
MW-8	2-Nov-97																
MW-8	6-May-98																
MW-8	8-Dec-98				1.2												
MW-8	16-Apr-99																
MW-8 (dup)	16-Apr-99																
MW-8	2-Dec-99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS
MW-8	11-Apr-00				**2.1**												
MW-8	20-Dec-00				1.5		17.1										
MW-8	16-Apr-01																
MW-8	3-Dec-01																
MW-8	12-Apr-02																
MW-8	5-Nov-02				1.2	**15.3**											
MW-8	17-Apr-03																
MW-8	4-Nov-03																
MW-8	14-Apr-04					**19.8**											
MW-8	18-Nov-04					**198**	**72**		13		**114**					**281**	161
MW-8	21-Apr-05																
MW-8	11-Nov-05			3		**31**			14								116
MW-8	14-Apr-06			3	**2**	**30**			14							**50**	111
MW-8	9-Nov-06			2		**34**			11								99
MW-8	20-Apr-07																
MW-8	9-Nov-07																15
MW-8	20-May-08		26.4J			4.72J		3.99J		0.091J							6.16J
MW-8	10-Nov-08		25.6J	2.49	0.33JB	3.27JB		4.37JB	9.17JB				4.03JB				
MW-8	11-Mar-09		37.1JB	2.75		4.38JB	4.48JB	5.02JB		0.045J	4.91J		7.06JB			**3.71JB**	
MW-8	3-Dec-09		34.1J	0.5J		6.17J		6.8JB			3.15J					**9.97JB**	59.1B
MW-8d	8-Jun-01											12.7					
MW-8d	4-Dec-01																
MW-8d	9-Apr-02																
MW-8d (dup)	9-Apr-02																
MW-8d	7-Nov-02																
MW-8d	16-Apr-03																
MW-8d	4-Nov-03																
MW-8d	21-Apr-04																
MW-8d	18-Nov-04																
MW-8d	21-Apr-05																
MW-8d	11-Nov-05																
MW-8d	14-Apr-06																
MW-8d	10-Nov-06																
MW-8d	20-Apr-07																
MW-8d	8-Nov-07																11
MW-8d	15-May-08		19.1J			6.86J		3.98J	4.10J				4.16J		**8.59**		4.53J
MW-8d	6-Nov-08	2.49J	25.2JB	3.61B		7.57JB		6.96JB	5.20JB				8.71JB			**6.56JB**	4.8J
MW-8d	16-Mar-09		44.5JB	**9.80B**		6.95JB		6.72JB	6.18JB				2.01JB			**9.36JB**	9.52J
MW-8d	4-Dec-09		32.8JB			8.01JB		8.86JB	9.36JB			4.49J	2.65JB			**4.48JB**	6.64JB

Table 3a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
NC2L		**10**	**700**	**4***	**2**	**10**	**70***	**1,000**	**15**	**1**	**100**	**20**	**20**	**NE**	**0.28***	**3.5***	**1,000**
SWSL		**10**	**100**	**1**	**1**	**10**	**10**	**10**	**10**	**0.2**	**50**	**10**	**10**	**100**	**5.5**	**25**	**10**
MW-9	6-Mar-94		210														
MW-9	15-Apr-94		199				11										
MW-9	11-May-94		193				10		2.7								14
MW-9	31-May-94		270			**24**	14	25	21							**23**	120
MW-9	25-Aug-94		135														14
MW-9	29-Sep-94		123						4.2								12
MW-9	13-Jun-95						14										
MW-9	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-9	31-Oct-95																
MW-9	30-Jan-96			**4**	1	**20**	16		**17**								65
MW-9	29-Nov-96		140														21
MW-9	22-Apr-97																
MW-9	2-Nov-97						11										37
MW-9	6-May-98																
MW-9	8-Dec-98				1.5												
MW-9	16-Apr-99																
MW-9	2-Dec-99																
MW-9	11-Apr-00																
MW-9	20-Dec-00																
MW-9	16-Apr-01																
MW-9	3-Dec-01	11	166														
MW-9 (dup)	3-Dec-01	12.2	160														
MW-9	12-Apr-02														**10.8**		
MW-9	5-Nov-02						10.1										
MW-9	17-Apr-03						10.6										
MW-9	4-Nov-03						11.3										
MW-9	14-Apr-04	20.6					11.8										
MW-9	18-Nov-04				**7**		10										
MW-9	21-Apr-05																
MW-9	11-Nov-05																
MW-9	14-Apr-06				**3**												
MW-9	9-Nov-06																
MW-9	19-Apr-07		289	2	1	**17**		12	**21**								122
MW-9	9-Nov-07		186														16
MW-9	20-May-08		190	2.9		**27**		5.8J	10.6		11.3J	8.29J	2.84J		**10.4**		5.58J
MW-9 (dup)	20-May-08		190			**22.7**	5.15J	5.87J	8.38J				3.16J		**11.1**		6.10J
MW-9	11-Nov-08		218B	0.3JB		**12.4B**	6.99J	9.59JB	13.5			8.93J	11.1B		**16.9**	**8.49JB**	14.4B
MW-9	11-Mar-09		178B			7.63JB	9.53JB	3.17JB	10.3B				8.89JB			**4.57JB**	
MW-9 (dup)	11-Mar-09		179B			9.27JB	9.33JB	3.39JB	6.28JB		6.45J		8.78JB		**7.3**	**10.8JB**	9.56J
MW-9	3-Dec-09		190	0.64J		7.84J	2.86J	5.25JB				4.37J				**1.49JB**	4.02JB

Table 3a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
NC2L		**10**	**700**	**4***	**2**	**10**	**70***	**1,000**	**15**	**1**	**100**	**20**	**20**	**NE**	**0.28***	**3.5***	**1,000**
SWSL		**10**	**100**	**1**	**1**	**10**	**10**	**10**	**10**	**0.2**	**50**	**10**	**10**	**100**	**5.5**	**25**	**10**
MW-10	31-Oct-95																
MW-10	30-Jan-96																
MW-10	28-Nov-96		71				14										
MW-10	22-Apr-97					**31**	23									**43**	98
MW-10	1-Nov-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	5-May-98				1.3				13	0.34							720
MW-10	18-Aug-98				**4.9**												150
MW-10	10-Sep-98																
MW-10	6-Oct-98				1.2												
MW-10	8-Dec-98				2												
MW-10	11-Jan-99																
MW-10	8-Feb-99																
MW-10 (dup)	8-Feb-99																
MW-10	16-Apr-99																
MW-10	2-Dec-99									0.3							
MW-10	12-Apr-00																
MW-10	20-Dec-00																
MW-10	17-Apr-01																
MW-10	3-Dec-01																
MW-10	12-Apr-02																
MW-10	5-Nov-02									0.5							
MW-10 (dup)	5-Nov-02									0.4							
MW-10	17-Apr-03									0.4							
MW-10	4-Nov-03																
MW-10	14-Apr-04																
MW-10	18-Nov-04				**2**												
MW-10	21-Apr-05																
MW-10	11-Nov-05									**1.1**							
MW-10	14-Apr-06																
MW-10	9-Nov-06																
MW-10	19-Apr-07									0.38							
MW-10	9-Nov-07		399														
MW-10	20-May-08		24.1J		0.21J	2.08J		6.28J		0.374					**6.74**		8.03J
MW-10	11-Nov-08	5.71JB	174B	**12.2B**	0.84J	9.86JB	4.73J	32.9B	**25.2**	**7.53**	8.21J		9.75JB			**24.9JB**	59.3B
MW-10	11-Mar-09		29.3JB		0.20J	2.27JB	5.65JB	3.07JB	7.77JB	0.247J	5.41J		7.13JB			**4.32JB**	7.14J
MW-10	3-Dec-09		16.3J	0.64J				3.96JB								**2.56JB**	8.35JB
MW-10d	8-Jun-01							30		0.3							
MW-10d	4-Dec-01																
MW-10d	9-Apr-02																
MW-10d	5-Nov-02																
MW-10d	17-Apr-03	**10.9**			1.1	**10.1**											
MW-10d	4-Nov-03																
MW-10d	26-Apr-04																
MW-10d	18-Nov-04																
MW-10d	21-Apr-05				**5**												
MW-10d	11-Nov-05				**5**												
MW-10d	14-Apr-06				**4**												
MW-10d	10-Nov-06																
MW-10d	20-Apr-07																
MW-10d	8-Nov-07				1												
MW-10d	20-May-08	9.06J	57.9J	0.5J		**33**		31.8	**21.9**	0.123J	18.7J		3.92J		**5.93**	**18.9J**	28.6
MW-10d	6-Nov-08	5.94J	40.7JB	**5.27B**		**149B**	5.12J	22.9B	**15.1B**		80.3		8.15JB			**16.7JB**	22
MW-10d	12-Mar-09			0.75J		4.38J		3.46JB	4.98J							**9.69JB**	8.62J
MW-10d	4-Dec-09		19.6JB			3.78JB		8.17JB					2.67JB			2.08JB	5.77JB

Table 3a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
NC2L		**10**	**700**	**4***	**2**	**10**	**70***	**1,000**	**15**	**1**	**100**	**20**	**20**	**NE**	**0.28***	**3.5***	**1,000**
SWSL		**10**	**100**	**1**	**1**	**10**	**10**	**10**	**10**	**0.2**	**50**	**10**	**10**	**100**	**5.5**	**25**	**10**
MW-22	9-Jun-97				**2.9**		**130**				66						
MW-22	18-Aug-97	**11.9**			**4.4**		**229**		14.3		**164**						68.6
MW-22	2-Nov-97				1.5		**210**		12		**130**						230
MW-22	6-May-98						**110**				51						80
MW-22	18-Aug-98				**9.6**		**110**										210
MW-22	10-Sep-98						**100**										
MW-22	6-Oct-98						**99**										
MW-22	8-Dec-98				1.9		**130**										
MW-22	11-Jan-99				1.5		**202**				55						
MW-22	8-Feb-99				**2**		**168**										
MW-22	16-Apr-99				**4.1**	**10.1**	**261**		**21**		70.9						
MW-22	2-Dec-99				**7.4**		**160**										
MW-22	12-Apr-00				**6.1**		**98.1**										
MW-22	20-Dec-00				**2.4**		60.7										
MW-22	17-Apr-01				1.2		31.4										
MW-22	5-Dec-01						26.9										
MW-22	9-Apr-02				**2.1**		63.5										
MW-22	6-Nov-02				1.2		26.5										
MW-22	17-Apr-03																
MW-22	5-Nov-03				1.19	**11.1**	30.1		12.9								
MW-22	26-Apr-04																
MW-22	18-Nov-04				**3**		15										
MW-22	22-Apr-05			3	**3**	**17**	48		**62**								196
MW-22	11-Nov-05				**2**		13										
MW-22	14-Apr-06				**2**		12										
MW-22	10-Nov-06				**2**		15										
MW-22	20-Apr-07				**2**												20
MW-22	8-Nov-07				**2.8**		24		13								32
MW-22	15-May-08		45J		**4.66**	8.9J	25.1	7.09J	10.3		16.2J	7.95J	5.69J		**7.37**	1.3J	16.3
MW-22	6-Nov-08	4.58J	75.5JB	2.45B	**6.68**	9.28JB	44.9	9.38JB	**15.4B**		27.5J	10.5	10.6B			**20.7JB**	32.6
MW-22	12-Mar-09		21.5J		**10.3**	2.39J	26.9	1.92JB	4.02J		11.6J		1.79J		**6.65**	**35.1B**	10.3
MW-22	4-Dec-09		44.9JB		**4.05**	4.97JB	22.1	8.74JB			10.4J	3.05J	3.24JB			**5.22JB**	9.59JB

Table 3a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
NC2L		**10**	**700**	**4***	**2**	**10**	**70***	**1,000**	**15**	**1**	**100**	**20**	**20**	**NE**	**0.28***	**3.5***	**1,000**
SWSL		**10**	**100**	**1**	**1**	**10**	**10**	**10**	**10**	**0.2**	**50**	**10**	**10**	**100**	**5.5**	**25**	**10**
MW-23	9-Jun-97																
MW-23	18-Aug-97	**10.3**			**2.3**		14.2		**18.8**		59.1						
MW-23	2-Nov-97		600	**4.7**	**2.6**	**54**	35		**56**		**110**					**170**	260
MW-23	5-May-98																
MW-23	18-Aug-98				**5.4**	**24**	10		**17**							**50**	150
MW-23	10-Sep-98																
MW-23	6-Oct-98				1.6					0.26							
MW-23	8-Dec-98				1.7												
MW-23 (dup)	8-Dec-98				**2.3**												
MW-23	11-Jan-99									0.20							
MW-23	8-Feb-99									0.20							
MW-23	16-Apr-99					**11.2**			**23.8**	0.7							
MW-23	2-Dec-99									0.2							
MW-23 (dup)	2-Dec-99																
MW-23	12-Apr-00									**1.1**							
MW-23	20-Dec-00																
MW-23	17-Apr-01																
MW-23	4-Dec-01																
MW-23	11-Apr-02																
MW-23	6-Nov-02																
MW-23	17-Apr-03																
MW-23 (dup)	17-Apr-03																
MW-23	5-Nov-03																
MW-23	26-Apr-04																
MW-23	18-Nov-04																
MW-23	21-Apr-05																
MW-23	11-Nov-05																
MW-23	14-Apr-06																
MW-23	9-Nov-06					**13**		39									133
MW-23	20-Apr-07		133	2		**10**	23	29								**28**	102
MW-23	8-Nov-07		123	1			21	21								**27**	92
MW-23	15-May-08	3.35J	90.7J	6.57		**18.8**	4.50J	32.7	11.7		10.3J		4.56J			**30**	49.2
MW-23	6-Nov-08	4.07J	65.4JB	1.96B		**10.6B**		18.3B	13.2B		8.28J		8.41JB			**17.5JB**	15.9
MW-23	12-Mar-09		62.1J	2.99		**11.9**	3.31J	22.1B	13		7.02J					**36.7B**	35
MW-23	4-Dec-09		48.6JB			4.33JB		12.2B					3.02JB			**3.57JB**	6.88JB

Table 3a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
NC2L		**10**	**700**	**4***	**2**	**10**	**70***	**1,000**	**15**	**1**	**100**	**20**	**20**	**NE**	**0.28***	**3.5***	**1,000**
SWSL		**10**	**100**	**1**	**1**	**10**	**10**	**10**	**10**	**0.2**	**50**	**10**	**10**	**100**	**5.5**	**25**	**10**
MW-23d	5-May-98																80
MW-23d	18-Aug-98				**4**												63
MW-23d	10-Sep-98				1.6				11								
MW-23d	6-Oct-98				**2.0**					0.22							60
MW-23d	8-Dec-98				1.8												83
MW-23d	11-Jan-99																
MW-23d	8-Feb-99																
MW-23d	16-Apr-99																
MW-23d	2-Dec-99																
MW-23d	12-Apr-00																
MW-23d	20-Dec-00									0.8							
MW-23d	17-Apr-01																
MW-23d	4-Dec-01																
MW-23d	11-Apr-02																
MW-23d	6-Nov-02																
MW-23d	17-Apr-03																
MW-23d	5-Nov-03																
MW-23d	26-Apr-04																
MW-23d	18-Nov-04																
MW-23d	21-Apr-05				**2**				12								55
MW-23d	11-Nov-05				1												
MW-23d	14-Apr-06																
MW-23d	9-Nov-06																
MW-23d	20-Apr-07																
MW-23d	8-Nov-07																10
MW-23d	15-May-08		36.5J			5.10J		3.39J					3.39J				
MW-23d	6-Nov-08		48.8JB	**7.34B**		6.57JB		5.63JB	6.76JB				8.81JB			**8.38JB**	4.77J
MW-23d	12-Mar-09		24.4J			1.71J		3.23JB								**9.35JB**	12.6
MW-23d	4-Dec-09		50.1JB		0.17J	4.98JB		8.53JB	10.7B				2.77JB			**7.17JB**	11.2B

Table 3a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
NC2L		**10**	**700**	**4***	**2**	**10**	**70***	**1,000**	**15**	**1**	**100**	**20**	**20**	**NE**	**0.28***	**3.5***	**1,000**
SWSL		**10**	**100**	**1**	**1**	**10**	**10**	**10**	**10**	**0.2**	**50**	**10**	**10**	**100**	**5.5**	**25**	**10**
MW-24	9-Jun-97																
MW-24	18-Aug-97				1.7		11.2										52.8
MW-24	1-Nov-97																66
MW-24 (dup)	1-Nov-97								12	0.25							91
MW-24	5-May-98																
MW-24	18-Aug-98				**4.7**				**16**								180
MW-24 (dup)	18-Aug-98	**11**		2.1	**8.9**	12	11		**22**								290
MW-24	10-Sep-98									0.44							
MW-24	6-Oct-98									0.98							
MW-24	8-Dec-98									0.62							
MW-24	8-Dec-98									0.62							
MW-24	11-Jan-99									0.50							
MW-24	16-Apr-99								13.7	0.4							53.1
MW-24	2-Dec-99																
MW-24	12-Apr-00									0.3							
MW-24	20-Dec-00																
MW-24	16-Apr-01									0.3							
MW-24 (dup)	16-Apr-01																
MW-24	3-Dec-01																
MW-24	12-Apr-02																
MW-24	5-Nov-02																
MW-24	17-Apr-03									0.4							
MW-24	4-Nov-03																
MW-24	14-Apr-04																
MW-24	18-Nov-04									**1.2**							68
MW-24	21-Apr-05									0.65							
MW-24	11-Nov-05			**5**		11			**52**	**2**							539
MW-24	14-Apr-06			3	**2**				**41**	**1.2**							492
MW-24	9-Nov-06			**4**		10			**48**	**1.7**							464
MW-24	19-Apr-07			1					14	0.68							112
MW-24	9-Nov-07			3.3		10		15	**31**	0.98							305
MW-24	20-May-08		42.4J	3.85		3.47J		7.58J	7.16J	0.046J						**4.83J**	27.4
MW-24	11-Nov-08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-24	12-Mar-09		52.3J			4.48J		8.35JB	9.33J	0.168J						**18JB**	57.1
MW-24	4-Dec-09		39.7JB			4.11JB		14.9B	11.1B				3.52JB			**4.63JB**	10.2B

Table 3a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
NC2L		**10**	**700**	**4***	**2**	**10**	**70***	**1,000**	**15**	**1**	**100**	**20**	**20**	**NE**	**0.28***	**3.5***	**1,000**
SWSL		**10**	**100**	**1**	**1**	**10**	**10**	**10**	**10**	**0.2**	**50**	**10**	**10**	**100**	**5.5**	**25**	**10**
MW-27	4-May-98																
MW-27	7-Dec-98				1	21											
MW-27	29-Apr-99				**2.3**		19										
MW-27	3-Dec-99						13.2										
MW-27	12-Apr-00				1.7		14.5			0.5							75.6
MW-27	18-Apr-01																
MW-27	12-Apr-02				1.7		10.5										51.8
MW-27	17-Apr-03																
MW-27	26-Apr-04																
MW-27	22-Apr-05			3	1	11										**57**	216
MW-27	11-Nov-05																
MW-27	14-Apr-06																
MW-28	1-May-98																
MW-28	17-Aug-98				**5.6**												
MW-28	9-Sep-98																
MW-28	7-Oct-98				**8.8**	43	24									**80**	150
MW-28	9-Dec-98				**8.9**	39	19									**68**	140
MW-28	12-Jan-99																
MW-28	9-Feb-99																
MW-28	19-Apr-99																
MW-28	3-Dec-99																
MW-28	12-Apr-00																
MW-28	18-Apr-01																
MW-28	12-Apr-02																
MW-28	17-Apr-03																
MW-28	26-Apr-04																
MW-28	22-Apr-05			2		33	13		**17**							**67**	331
MW-28	13-Apr-06					12											66
MW-28	20-Apr-07					11											88
MW-28	19-May-08		75.8J	**4.29**		16.9	3.18J	6.12J	4.16J							**25.1**	39.9
MW-28	12-Mar-09		22.8J			4.87J							0.89J			**10.1JB**	13
MW-28d	1-May-98																
MW-28d	17-Aug-98				1.3												
MW-28d	9-Sep-98																
MW-28d	7-Oct-98																
MW-28d	9-Dec-98									0.25							
MW-28d	12-Jan-99																
MW-28d (dup)	12-Jan-99																
MW-28d	9-Feb-99																
MW-28d	19-Apr-99																
MW-28d	3-Dec-99																
MW-28d	12-Apr-00																
MW-28d	18-Apr-01																
MW-28d	12-Apr-02																
MW-28d	17-Apr-03																
MW-28d	26-Apr-04																
MW-28d	22-Apr-05																
MW-28d	13-Apr-06																
MW-28d	20-Apr-07																35
MW-28d	19-May-08			**7.76**		1.53J		5J	3.8J							1.52J	
MW-28d	12-Mar-09					2.99J		2.04JB	6.28J							**12.7JB**	8.95J

Table 3a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
NC2L		**10**	**700**	**4***	**2**	**10**	**70***	**1,000**	**15**	**1**	**100**	**20**	**20**	**NE**	**0.28***	**3.5***	**1,000**
SWSL		**10**	**100**	**1**	**1**	**10**	**10**	**10**	**10**	**0.2**	**50**	**10**	**10**	**100**	**5.5**	**25**	**10**
MW-29d	4-May-98					**13**											
MW-29d	17-Aug-98																
MW-29d	9-Sep-98				1	**17**											
MW-29d (dup)	9-Sep-98					**11**											
MW-29d	7-Oct-98				**2.7**	**18**											53
MW-29d	9-Dec-98									0.24							
MW-29d	12-Jan-99																
MW-29d	9-Feb-99																
MW-29d	19-Apr-99																
MW-29d	3-Dec-99																
MW-29d	12-Apr-00																
MW-29d	19-Dec-00																
MW-29d	18-Apr-01																
MW-29d	4-Dec-01																
MW-29d	11-Apr-02																
MW-29d	6-Nov-02																
MW-29d	18-Apr-03																
MW-29d	5-Nov-03																
MW-29d	26-Apr-04																
MW-29d	18-Nov-04				**2**												
MW-29d	22-Apr-05																
MW-29d	11-Nov-05																
MW-29d	14-Apr-06																
MW-29d	10-Nov-06																
MW-29d	20-Apr-07							16									56
MW-29d	9-Nov-07																24
MW-29d	19-May-08		33.8J	**6.72**		4.31J		5.61J									4.02J
MW-29d	7-Nov-08		49.8JB	**10.7B**		8.58JB	3.47J	12.1B	5.59JB				8.05JB			**12.1JB**	10.5
MW-29d	10-Mar-09					**11.8J**		5.96J	6.80J				1.97JB		6.41	**7.77J**	8.23J
MW-29d	2-Dec-09		37.1J			4.39J		12.6B			2.68J					**5.01JB**	4.93JB
MW-30	4-May-98					**60**	19									**56**	60
MW-30	17-Aug-98				**34**	**50**	19				50					**50**	190
MW-30	9-Sep-98					**16**					50						140
MW-30	7-Oct-98				1.1												
MW-30	7-Dec-98				**2.6**	**20**											
MW-30	12-Jan-99					**20**											
MW-30	9-Feb-99					**20**											
MW-30	19-Apr-99																
MW-30	3-Dec-99																
MW-30	12-Apr-00																
MW-30	19-Dec-00																
MW-30	18-Apr-01																
MW-30	4-Dec-01																
MW-30	11-Apr-02																
MW-30	6-Nov-02																
MW-30	17-Apr-03																
MW-30	5-Nov-03																
MW-30	28-Apr-04																
MW-30	18-Nov-04					**108**	41		12		71					**107**	89
MW-30	21-Apr-05																
MW-30	11-Nov-05					**13**											
MW-30	14-Apr-06					**15**											
MW-30	10-Nov-06					**32**											83
MW-30	20-Apr-07		416	3		**43**		60	**18**							**44**	150
MW-30	9-Nov-07		419	3.2		**117**		160	**21**		52					**118**	147
MW-30	19-May-08		106	**10.1**		**31.9**	5.84J	58.4	4.9J		13.9J					**30.7**	25.9
MW-30	7-Nov-08		149B	0.59JB		**32.0B**	5.75J	58.4B	8.97JB		16.6J		8.54JB			**53.4B**	38.4
MW-30	11-Mar-09		206B	3.46		**61.6B**	20.3B	116B	14.4B		34.4J		6.51JB			**85.9B**	57.8
MW-30	4-Dec-09		42.1JB			**7.58JB**		14.2B	10.7B			3.08J	2.47JB			**6.6JB**	23.6B

Table 3a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
NC2L		**10**	**700**	**4***	**2**	**10**	**70***	**1,000**	**15**	**1**	**100**	**20**	**20**	**NE**	**0.28***	**3.5***	**1,000**
SWSL		**10**	**100**	**1**	**1**	**10**	**10**	**10**	**10**	**0.2**	**50**	**10**	**10**	**100**	**5.5**	**25**	**10**
MW-31	1-May-98																
MW-31	17-Aug-98				**14**	**88**			**38**		82					**81**	220
MW-31	9-Sep-98				**3.3**	**42**			**15**								530
MW-31	7-Oct-98				1.8	**10**											
MW-31	8-Dec-98				**2.6**	**24**											
MW-31	11-Jan-99																
MW-31	8-Feb-99																
MW-31	19-Apr-99																
MW-31	3-Dec-99																
MW-31	13-Apr-00																
MW-31	19-Dec-00																
MW-31	17-Apr-01					**16.5**											
MW-31	6-Dec-01					**55**											
MW-31	11-Apr-02																
MW-31	6-Nov-02																
MW-31	18-Apr-03																
MW-31	5-Nov-03																
MW-31	28-Apr-04																
MW-31	18-Nov-04					**64**	32		14							**120**	64
MW-31	21-Apr-05																
MW-31	11-Nov-05					**17**											
MW-31	14-Apr-06																
MW-31	9-Nov-06					**15**											
MW-31	20-Apr-07																
MW-31	9-Nov-07			1		**38**		19	**22**	0.22						**47**	32
MW-31	19-May-08		50.7J			**18.1**		13.6	8.81J		6.67J		4.33J		**7.52**	**16.9J**	13
MW-31	7-Nov-08		66.6JB			**30.0B**		23.3B	**15.3B**		7.34J		8.57JB			**40.3B**	12.1
MW-31	11-Mar-09		85.6JB	1.34		**30.2B**	6.48JB	21.7B	**19.2B**		11J		6.54JB			**36.4B**	11.1
MW-31	4-Dec-09		38.4JB			**13.4B**		14.5B	11.3B		5.52J	4.62J	2.91JB			**11.8JB**	10.2B
MW-31d	1-May-98			3		**110**	13		**19**		68					**280**	210
MW-31d	17-Aug-98				**8.6**	10											94
MW-31d	9-Sep-98				**2.8**	25										**60**	260
MW-31d	7-Oct-98				**2.2**												
MW-31d	8-Dec-98																
MW-31d	11-Jan-99					19.1											
MW-31d	8-Feb-99																
MW-31d	19-Apr-99																
MW-31d	3-Dec-99																
MW-31d	13-Apr-00																
MW-31d	19-Dec-00																
MW-31d	18-Apr-01																
MW-31d	6-Dec-01																
MW-31d	11-Apr-02																
MW-31d	6-Nov-02																
MW-31d	18-Apr-03					10.1											
MW-31d	5-Nov-03																
MW-31d	28-Apr-04																
MW-31d	18-Nov-04					24										**50**	
MW-31d	21-Apr-05																
MW-31d	11-Nov-05																
MW-31d	14-Apr-06																
MW-31d	9-Nov-06																
MW-31d	20-Apr-07																10
MW-31d	9-Nov-07																
MW-31d	19-May-08		23.2J			8.61J		4.27J	3.63J				4.16J	7.6J		6.26J	4.39J
MW-31d	6-Nov-08	2.66J	31.2JB	**6.26B**		11.7B		8.19JB	10.2B		5.34J		8.47JB			**25.1B**	6.85J
MW-31d	10-Mar-09					5.52J			5.19J				1.44JB			**19.9J**	
MW-31d	2-Dec-09		15.8J			5.23J		9.19JB							0.42J	**7.27JB**	35.5B

Table 3a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
NC2L		**10**	**700**	**4***	**2**	**10**	**70***	**1,000**	**15**	**1**	**100**	**20**	**20**	**NE**	**0.28***	**3.5***	**1,000**
SWSL		**10**	**100**	**1**	**1**	**10**	**10**	**10**	**10**	**0.2**	**50**	**10**	**10**	**100**	**5.5**	**25**	**10**
MW-32	1-May-98					**23**	44									**41**	59
MW-32	17-Aug-98				**5.5**	**10**	31										130
MW-32	9-Sep-98				**5.4**	**34**	45				54					**60**	240
MW-32	6-Oct-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-32	7-Dec-98				8	**40**	42				77					**74**	85
MW-32	11-Jan-99						26.5										
MW-32	8-Feb-99						24										
MW-32	19-Apr-99						28.1										
MW-32	3-Dec-99						25.1										
MW-32	13-Apr-00				1.2		40.9										
MW-32	19-Dec-00				1.0		25.8										
MW-32	17-Apr-01						22.8										
MW-32	4-Dec-01						14.7										
MW-32	11-Apr-02						12.1										
MW-32	6-Nov-02						12.2										
MW-32	18-Apr-03				1.4		24										
MW-32	4-Nov-03						10.3										
MW-32	28-Apr-04						10.5										
MW-32	18-Nov-04						11										
MW-32	21-Apr-05																
MW-32	11-Nov-05																
MW-32	14-Apr-06																
MW-32	9-Nov-06																
MW-32	20-Apr-07							18									21
MW-32	9-Nov-07																29
MW-32	19-May-08		16.7J			4.81J		10.7	4.53J				4.35J			0.72J	5.83J
MW-32	6-Nov-08		18.4JB	**8.50B**		4.14JB	4.41J	6.41JB	6.36JB				9.0JB			**8.39JB**	4.39J
MW-32	11-Mar-09		23.5JB			4JB	7.94JB	13.4B	5.74JB		5.61J		6.91JB			**10.9JB**	
MW-32	4-Dec-09		21.6JB			4JB	8.41JB					3.28J	3.21JB			0.78JB	3.89JB
TB-1a	1-May-98				1.1								14				50
TB-1a	17-Aug-98				**9.3**	**21**	20										130
TB-1a	9-Sep-98				**2.6**	**14**	16										160
TB-1a	7-Oct-98				**4.0**	**17**	14										
TB-1a (dup)	7-Oct-98				**2.1**		14										
TB-1a	9-Dec-98				**3.0**					0.22							
TB-1a	11-Jan-99																
TB-1a	8-Feb-99																
TB-1a	19-Apr-99																
TB-1a	3-Dec-99																
TB-1a	13-Apr-00																
TB-1a	20-Dec-00																
TB-1a	17-Apr-01																
TB-1a	3-Dec-01							17.3									
TB-1a	12-Apr-02																
TB-1a	5-Nov-02				**2.2**	**12.7**											
TB-1a	17-Apr-03																
TB-1a	4-Nov-03																
TB-1a	14-Apr-04																
TB-1a	18-Nov-04				**2**	**20**											
TB-1a	21-Apr-05				**2**												
TB-1a	11-Nov-05				**2**	**12**				0.95							67
TB-1a	14-Apr-06				**3**					0.88							
TB-1a	9-Nov-06				**5**	**17**				**2.5**							87
TB-1a	19-Apr-07				**39**	**14**		88	14	**1.9**						30	262
TB-1a	8-Nov-07				**8**			29									51
TB-1a	20-May-08		22J	1.94	0.87J	3.47J		16.8	3.79J	0.143J							10.1
TB-1a	11-Nov-08	12.9	502		**5.92**	**95.8B**	44.9	511B	**19.4**	0.76	75.5	27.8	7.84JB			**200B**	198
TB-1a	11-Mar-09		64.8JB	3.46	**3.25**	9.58JB	9.49JB	39B	9.25JB	0.253J	12.2J		6.57JB			**23.9JB**	17.3
TB-1a	3-Dec-09		68.5J	0.45J	**3.33**	9.13J	3.89J	56.4B	6.92J		12.2J	3.97J				**23JB**	26.5B

Table 3a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
NC2L		**10**	**700**	**4***	**2**	**10**	**70***	**1,000**	**15**	**1**	**100**	**20**	**20**	**NE**	**0.28***	**3.5***	**1,000**
SWSL		**10**	**100**	**1**	**1**	**10**	**10**	**10**	**10**	**0.2**	**50**	**10**	**10**	**100**	**5.5**	**25**	**10**
TB-1a deep	8-Jun-01																
TB-1a deep	6-Dec-01																
TB-1a deep	11-Apr-02																
TB-1a deep	6-Nov-02																
TB-1a deep	18-Apr-03																
TB-1a deep	4-Nov-03																
TB-1a deep	28-Apr-04																
TB-1a deep	18-Nov-04																
TB-1a deep	21-Apr-05																
TB-1a deep	11-Nov-05																
TB-1a deep	14-Apr-06																
TB-1a deep	10-Nov-06																
TB-1a deep	20-Apr-07																
TB-1a deep	8-Nov-07																
TB-1a deep	19-May-08		15.6J			**22.6**		5.37J	5.36J		6.9J		4.69J		**5.54**	**6.86J**	7.06J
TB-1a deep	7-Nov-08		15.2JB	1.05B		**16.8B**		8.18JB	5.33JB				8.69JB			**18.9JB**	
TB-1a deep	12-Mar-09			**4.48**	0.23J	**12.6**		3.46JB	6.73J							**9.29JB**	18.5
TB-1a deep	4-Dec-09		30.1JB			**12.6B**		9.35JB			7.1J		3.05JB			**4.21JB**	77.9B
MW-33	6-Aug-98				**5.8**	46	18									**73**	110
MW-33	7-Dec-98				**2.7**	18											
MW-33	26-Apr-99					15.5											58.5
MW-33	2-Dec-99					18.1											61
MW-33	13-Apr-00																
MW-33	18-Apr-01																
MW-33	9-Apr-02																
MW-33	16-Apr-03				1.2	26.9	11.8									**47.1**	71.5
MW-33	21-Apr-04					10.5											
MW-33	22-Apr-05		660	3		**54**	18		**32**							**92**	885
MW-33	14-Apr-06			3		47	15		**27**							**80**	669
MW-33	20-Apr-07					19		14								**30**	**1165**
MW-33	15-May-08		54.9J			20.2		14.6	5.11J		6.9J		4.47J		**10.7**	**19.2J**	31.1
MW-33	12-Mar-09		21.9J			4.58J		1.88JB	4.65J							**7.79JB**	5.35J
MW-34	6-Aug-98			**4.9**	**8.4**	43	20				64					**110**	180
MW-34	7-Dec-98				**2.2**	14											59
MW-34	26-Apr-99																73.2
MW-34	2-Dec-99																
MW-34	13-Apr-00																
MW-34	18-Apr-01																
MW-34	9-Apr-02																
MW-34	16-Apr-03																
MW-34	21-Apr-04														**10.3**		
MW-34	22-Apr-05		1108	**10**	1.0	29			**33**							**74**	439
MW-34	13-Apr-06																
MW-34	20-Apr-07																16
MW-34	19-May-08		121			11.7		12.3		0.191J	5.43J		4.19J			**8.81J**	23
MW-34	12-Mar-09		73J			3.78J		3.8JB		0.121J						**12.7JB**	12.2

Table 3a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Selenium	Silver	Tin	Thallium	Vanadium	Zinc
NC2L		**10**	**700**	**4***	**2**	**10**	**70***	**1,000**	**15**	**1**	**100**	**20**	**20**	**NE**	**0.28***	**3.5***	**1,000**
SWSL		**10**	**100**	**1**	**1**	**10**	**10**	**10**	**10**	**0.2**	**50**	**10**	**10**	**100**	**5.5**	**25**	**10**
MW-34d	6-Aug-98																
MW-34d (dup)	6-Aug-98																
MW-34d	7-Dec-98																
MW-34d	26-Apr-99																
MW-34d	2-Dec-99																
MW-34d	13-Apr-00																
MW-34d	18-Apr-01																
MW-34d	9-Apr-02					12.5											
MW-34d	16-Apr-03																
MW-34d	21-Apr-04																
MW-34d	22-Apr-05																
MW-34d	13-Apr-06				**4.0**												
MW-34d	20-Apr-07																
MW-34d	19-May-08		27.4J			10.1		3.95J	5.49J				4.46J				
MW-34d	12-Mar-09		21.5J			4.48J		2.29JB							**5.78**	**8.27JB**	18
MW-35	6-Aug-98			**4.3**	**9.8**	47	30				52					**120**	130
MW-35	7-Dec-98				**4.6**	22	15				79					**43**	74
MW-35	26-Apr-99						13										
MW-35	2-Dec-99																
MW-35	13-Apr-00																
MW-35	18-Apr-01																
MW-35	9-Apr-02																
MW-35	16-Apr-03																
MW-35	21-Apr-04																
MW-35	22-Apr-05			**5**		19			**18**							**52**	134
MW-35	13-Apr-06			2		10											
MW-35	20-Apr-07		316	**6**	1.0	39	10	55	**19**							**109**	149
MW-35	19-May-08		49.5J			5.40J		6.03J					4.43J		**11.7**		8.04J
MW-35	10-Mar-09		34J										1.42JB		**8.59J**		
MW-36	4-Dec-08		159B			**52.3B**	21.9	57.5B	13.6	0.13JB	24.2J	9.10J				**81.6**	47.1
MW-36	10-Mar-09		107			**13**	5.23J	19.1			5.71J		1.56JB			**27.2**	11.5
MW-36	4-Dec-09		71.1JB			4.21JB		8.25JB	9.4JB				2.78JB			**3.72JB**	4.9JB
MW-36d	4-Dec-08		102B			**70.4B**	6.46J	32.8B	4.12J	0.13JB	20.0J				**7.59**	**37**	55.6
MW-36d	10-Mar-09		39.8J			18.1		11.6	3.94J		9.35J		1.87JB			**16.6J**	
MW-36d	2-Dec-09		54J			**26**		11.6B			15.9J					**10.7JB**	4.16JB

Notes:
All units are in micrograms per liter (parts per billion)
- Concentration exceeds NC Groundwater Standards (2L
- Indicates result below detection limits
* - Groundwater Protection Standard
NS - Not Sampled; NE - Standard Not Established; dup - Duplicate Sample
J - Indicates the analytical result is an estimated concentration between the Method Detection Limit and the Solid Waste Section Reporting Limit (SWSL)
B - Indicates that the amount detected in the method blank was greater than the Method Detection Limit
MW-27 was abandoned on November 24, 2008 in accordance with 15A NCAC 2C .0113
MW-36/36d installed November 2008
Monitoring wells MW-28, -28d, -33, -34, -34d, and -35 sampled yearly during the spring event

Table 3b
Detected Constituents - Volatile and Semi-Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	Bromomethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Iodomethane	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol
NC2L		600	1	0.56	NE	0.0004	700	50	3,000	70	3	6	20	1,000	6	0.4	7	70	100	0.6	600	NE	5	4,000	70	0.7	600	200	3	2,000	0.005	0.03	500	3	6,000	700	NE	3.5
SWSL		100	1	1	10	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	10	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10
MW-11	15-Apr-94																																					
MW-11	11-May-94																																					
MW-11	25-Aug-94																																					
MW-11	29-Sep-94																																					
MW-11	13-Jun-95																																					
MW-11	28-Sep-95																																					
MW-11	31-Oct-95																																					
MW-11	22-Mar-96																																					
MW-11	27-Nov-96																																					
MW-11	22-Apr-97																																					
MW-11	31-Oct-97																																					
MW-11	11-May-98																																					
MW-11	8-Dec-98																																	24				
MW-11	14-Apr-99																																					
MW-11	30-Nov-99																																					
MW-11	5-Apr-00																																					
MW-11	18-Dec-00																																					
MW-11	18-Apr-01																																					
MW-11	27-Nov-01																																					
MW-11	5-Apr-02																																					
MW-11	5-Nov-02																																					
MW-11	15-Apr-03																																					
MW-11	30-Oct-03																																					
MW-11	21-Apr-04																																					
MW-11	18-Nov-04																																					
MW-11	21-Apr-05																																					
MW-11	11-Nov-05																																					
MW-11	14-Apr-06																																					
MW-11	10-Nov-06																																					
MW-11	20-Apr-07																																					
MW-11	8-Nov-07																																					
MW-11	15-May-08																																					
MW-11	10-Nov-08									0.12J																												
MW-11	11-Mar-09									0.14J																	0.11J											
MW-11	3-Dec-09									0.14J																												

Table 3b
Detected Constituents - Volatile and Semi-Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	Bromomethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Iodomethane	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol
NC2L		600	1	0.56	NE	0.0004	700	50	3,000	70	3	6	20	1,000	6	0.4	7	70	100	0.6	600	NE	5	4,000	70	0.7	600	200	3	2,000	0.005	0.03	500	3	6,000	700	NE	3.5
SWSL		100	1	1	10	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	10	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10
MW-11d	31-Oct-95																																					
MW-11d	22-Mar-96																																					
MW-11d	27-Nov-96																																					
MW-11d	22-Apr-97																																					
MW-11d	31-Oct-97																																					
MW-11d	11-May-98																																					
MW-11d	8-Dec-98																																					
MW-11d	14-Apr-99																																					
MW-11d	30-Nov-99																																	20				
MW-11d	5-Apr-00																																					
MW-11d	18-Dec-00																																					
MW-11d	18-Apr-01																																					
MW-11d	27-Nov-01																																					
MW-11d	5-Apr-02																																					
MW-11d	5-Nov-02																																					
MW-11d	15-Apr-03																																					
MW-11d	30-Oct-03																																					
MW-11d	21-Apr-04																																					
MW-11d	18-Nov-04																																					
MW-11d	21-Apr-05																																					
MW-11d	11-Nov-05																																					
MW-11d	14-Apr-06																																					
MW-11d	10-Nov-06																																					
MW-11d	20-Apr-07																																	24.5				
MW-11d	8-Nov-07																																					
MW-11d	15-May-08									0.31J																												
MW-11d	10-Nov-08									0.22J																												
MW-11d	16-Mar-09									0.28J																								0.999J				
MW-11d	4-Dec-09									0.29J																												

Table 3b
Detected Constituents - Volatile and Semi-Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	Bromomethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Iodomethane	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol
NC2L		600	1	0.56	NE	0.0004	700	50	3,000	70	3	6	20	1,000	6	0.4	7	70	100	0.6	600	NE	5	4,000	70	0.7	600	200	3	2,000	0.005	0.03	500	3	6,000	700	NE	3.5
SWSL		100	1	1	10	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	10	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10
MW-5	6-Mar-94		4.9												150		0.84	2.1					17			6.3		5.3	14	9.2		2	3.23					
MW-5	15-Apr-94		4.2						35.7		5.7				99.6	1.1	1.2	1.5					11.7			6.3			11.8	17.9								
MW-5	11-May-94		2.4						24		5.7				74		1.1						11			4.9	2		8.2	26								
MW-5	31-May-94		3.1							0.6					47		1.2	1.2								5.4		7.2	8.1				2.72					
MW-5	10-Jun-94		2.8						24.5						71.8		1.4	1.2								3.6		7.6	7.1									
MW-5	30-Sep-94		1.9						18.7						41.6											4.6		8.9										
MW-5	13-Jun-95		10						48					22				8	196							10			19									
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	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		NS	NS
MW-5	31-Oct-95		9						61						230			14					18						11									
MW-5 (dup)	31-Oct-95		9						53						210			14					15			9			16									
MW-5	30-Jan-96		10						50					16	198			23								7			17									
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	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	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	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	NS	NS	NS	NS	NS		NS	NS
MW-5	8-Dec-98		7.9						20			6.0		10	74			15					79			11			17				6.5					
MW-5	16-Apr-99		8						22						87			42					100			6			14									26
MW-5	2-Dec-99		6												60			72								6			16									
MW-5	11-Apr-00		6						14			11.0			70			34								10			22		140							
MW-5	20-Dec-00														39			17											14									
MW-5	16-Apr-01											7.0			44			29											17									
MW-5	3-Dec-01														31			20											12									
MW-5	12-Apr-02											7.0			32			33											16									
MW-5	5-Nov-02								10			6.0			26			31											15									
MW-5	17-Apr-03											14.0			24			44											11									
MW-5	4-Nov-03	540										8												360														
MW-5	4-Nov-03	490										8												360														
MW-5	14-Apr-04																										1000											
MW-5	18-Nov-04																	``																				
MW-5	21-Apr-05																																					
MW-5	11-Nov-05								6	9.2																												
MW-5	14-Apr-06																																					
MW-5	9-Nov-06								8.6	5.8																												
MW-5	19-Apr-07								6.7	6.8																												
MW-5	8-Nov-07		4.9					5.9	20.5	8.8																			2.6			13						
MW-5R	21-Apr-04											16.5			13.1			56.2																				
MW-5R	21-May-08		0.34J					1.00J	0.67J			6.17			0.8J			4.22J					0.24J						0.26J									
MW-5R	10-Nov-08		0.23J					0.63J				5.49			0.61J			1.95J					0.23J						0.13J									
MW-5R	11-Mar-09											0.91J																										
MW-5R	3-Dec-09											0.51J						0.09J																				

Table 3b
Detected Constituents - Volatile and Semi-Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	Bromomethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Iodomethane	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol
NC2L		600	1	0.56	NE	0.0004	700	50	3,000	70	3	6	20	1,000	6	0.4	7	70	100	0.6	600	NE	5	4,000	70	0.7	600	200	3	2,000	0.005	0.03	500	3	6,000	700	NE	3.5
SWSL		100	1	1	10	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	10	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10
MW-6	6-Mar-94		1.7							0.83					34								37			3.4		5.9	4.6	3.9			2.42					
MW-6	15-Apr-94								8.5		1.2				12.5								21			1.9			2.1	2.6								
MW-6	11-May-94								18.4		1.2				28.7								64.2			2.3			4.9	2.6								
MW-6 (dup)	1-Jun-94		3.7							4.3					50								130			7		14	7.5	11			16.6					
MW-6	25-Aug-94								22						36								79.8															
MW-6	29-Sep-94		2						18		66				34								6.1			3		1.4										
MW-6	13-Jun-95								19						28								61						6									
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	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		NS	NS
MW-6	31-Oct-95								22						32								56						6									
MW-6	30-Jan-96		6						37						61														11									
MW-6	29-Nov-96								34						41								91						16									
MW-6	22-Apr-97		5.4						37						29			6.7					88						15									
MW-6	2-Nov-97		6.1						28						28			7.8					90			5.2			16									
MW-6	6-May-98								29						34			13					140						17									
MW-6 (dup)	6-May-98								30						35			14					140						19									
MW-6	8-Dec-98								26						40			14					180						19									
MW-6	16-Apr-99		5						16						26								110						11									
MW-6	2-Dec-99														12			7					67						6									
MW-6	11-Apr-00														12			7					63						6									
MW-6	19-Dec-00														6								20															
MW-6	16-Apr-01														8			6					46															
MW-6	3-Dec-01																	6																				
MW-6	12-Apr-02														7			5					26															
MW-6	5-Nov-02																	5					10															
MW-6	17-Apr-03																																	13				
MW-6	4-Nov-03																	6																				
MW-6	14-Apr-04																	5.7																				
MW-6	18-Nov-04																																					
MW-6	21-Apr-05																																					
MW-6	11-Nov-05																																					
MW-6	14-Apr-06																																					
MW-6	9-Nov-06																																					
MW-6	19-Apr-07																																					
MW-6	8-Nov-07		3.3									7.4																				3.4						
MW-6	20-May-08		3.85					1J	3.85J			2.07			1.22J			2.3J					0.62J				0.14J		0.9J			3.29		2.17J	1.86J		1.06J	
MW-6	11-Nov-08		4.12					1.29J	3.90J			2.72		0.33J	1.27J			2.22J					1.08				0.20J		0.98J			4.01						
MW-6	11-Mar-09		3.3					1.22J	2.43J			2.02			0.75J			2.21J									0.11J		0.71J			3.61						
MW-6	3-Dec-09		2.56					1.7J	1.79J			1.78			0.79J			1.49J					0.28J				0.14J		0.6J			2.24						

Table 3b
Detected Constituents - Volatile and Semi-Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	Bromomethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Iodomethane	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol
NC2L		600	1	0.56	NE	0.0004	700	50	3,000	70	3	6	20	1,000	6	0.4	7	70	100	0.6	600	NE	5	4,000	70	0.7	600	200	3	2,000	0.005	0.03	500	3	6,000	700	NE	3.5
SWSL		100	1	1	10	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	10	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10
MW-6d	8-Jun-01														8			6																				
MW-6d	4-Dec-01																																					
MW-6d	9-Apr-02																																					
MW-6d	7-Nov-02																																					
MW-6d	16-Apr-03																																					
MW-6d	4-Nov-03																																					
MW-6d	21-Apr-04																																					
MW-6d	18-Nov-04																																					
MW-6d	21-Apr-05																																					
MW-6d	11-Nov-05																																					
MW-6d	11-Apr-06																																					
MW-6d	9-Nov-06																																					
MW-6d	20-Apr-07																																					
MW-6d	8-Nov-07																																					
MW-6d	20-May-08									0.49J				3.04J	5.7			0.85J					0.34J			0.71J			0.91J	0.91J								
MW-6d	6-Nov-08		0.23J							0.57J		0.44J		2.76J	6.12			1.10J					0.77J			1.06			1.13	1.10								
MW-6d (dup)	6-Nov-08		0.25J							0.61J		0.45J		2.69J	6.16			1.00J					0.68J			1.08			1.13	0.99J								
MW-6d	12-Mar-09									0.43J				1.47J	3.24J			0.54J					0.33J			0.77J			0.49J	0.55J								
MW-6d	3-Dec-09									0.58J		0.28J		1.86J	5.51			0.9J					0.42J			0.69J			0.86J	0.75J								

Table 3b
Detected Constituents - Volatile and Semi-Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	Bromomethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Iodomethane	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol
NC2L		600	1	0.56	NE	0.0004	700	50	3,000	70	3	6	20	1,000	6	0.4	7	70	100	0.6	600	NE	5	4,000	70	0.7	600	200	3	2,000	0.005	0.03	500	3	6,000	700	NE	3.5
SWSL		100	1	1	10	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	10	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10
MW-7	6-Mar-94																																					
MW-7	15-Apr-94																																					
MW-7	11-May-94																																					
MW-7	31-May-94																																					
MW-7	25-Aug-94																																					
MW-7	29-Sep-94																																					
MW-7	13-Jun-95																																					
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	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		NS	NS
MW-7	31-Oct-95								11						5																							
MW-7	30-Jan-96																																					
MW-7	29-Nov-96								22						9			2								4			5									
MW-7	21-Apr-97								19						11			5.9																				
MW-7	1-Nov-97								26						10			6.2																				
MW-7	6-May-98								24						17			21																				
MW-7	8-Dec-98		7.2						32						20			36					12						5.2									
MW-7	16-Apr-99								21						14			24																				
MW-7	2-Dec-99														9			16																				
MW-7	11-Apr-00														8			17																				
MW-7 (dup)	11-Apr-00														8			17																16				
MW-7	19-Dec-00														5			10																				
MW-7 (dup)	19-Dec-00														6			12																				
MW-7	16-Apr-01														6			13																16				
MW-7	4-Dec-01																																					
MW-7	9-Apr-02																	7																				
MW-7	6-Nov-02																	12																				
MW-7	16-Apr-03																	24																				
MW-7	5-Nov-03																	15																				
MW-7	21-Apr-04																	18.3																				
MW-7 (dup)	21-Apr-04																	19.9																				
MW-7	18-Nov-04																	16.4																				
MW-7	21-Apr-05																	26																				
MW-7	11-Nov-05																	12.2																				
MW-7	14-Apr-06																	19.3																				
MW-7	9-Nov-06																	27.2																				
MW-7	20-Apr-07																	24.3													5.4							
MW-7	8-Nov-07		3.5									2.7						22.3													7.7							
MW-7	15-May-08		1.61					0.24J				0.77J	0.15J		0.44J			7.68													2.74		0.907J					
MW-7	5-Nov-08		1.04					0.14J				0.83J	0.16J	1.10J	0.25J			3.14J									0.15J				2.09							
MW-7	10-Mar-09		1.56					0.20J				1.17		1.34J				3.40J									0.68J				2.73	0.96J	2.36J					
MW-7	2-Dec-09		1.37					0.2J	0.62J			1.13	0.23J	0.69J	0.32J			2.24J									0.3J				1.82	0.48J						
MW-7 (dup)	2-Dec-09		1.38					0.22J	0.59J			1.11	0.23J	0.76J	0.29J			2.34J									0.32J				1.93	0.45J						

Table 3b
Detected Constituents - Volatile and Semi-Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	Bromomethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Iodomethane	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol
NC2L		600	1	0.56	NE	0.0004	700	50	3,000	70	3	6	20	1,000	6	0.4	7	70	100	0.6	600	NE	5	4,000	70	0.7	600	200	3	2,000	0.005	0.03	500	3	6,000	700	NE	3.5
SWSL		100	1	1	10	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	10	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10
MW-8	6-Mar-94		6.8							2.2		3.2			13	1	1.3	7.6			0.56		450			7.5	4	18	16	7.3		0.76	35.6					
MW-8	15-Apr-94		7.9						39.8	1.3	8.8	4.9			88.6	1.8	1.5	8.9		3	1.4		310			8.1	5		17.5	5.1			39.7					
MW-8	11-May-94		5.6						34						83								278			7			15				27.1					
MW-8	31-May-94		12							1.1		13			110	2.6	1.6	23					310		3.1	16	11	16	29	4.4			89					
MW-8	25-Aug-94								51.3						109								400										32					
MW-8	30-Sep-94		5.8						35		12.2	5.2			86			5.6					300					8.9	13				22.8					
MW-8	13-Jun-95								15						36								47						6				19					
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	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		NS	NS
MW-8	31-Oct-95		8						40	8				8	72			23			32		137			9			14									
MW-8	30-Jan-96		10						37					10	71			34					123			18			23				58	20				
MW-8	29-Nov-96		4			8			15			3		5	18			24					23			13		1	12				13					
MW-8	21-Apr-97														10			20					16			8.3			8.1					8				
MW-8	2-Nov-97														6.3			22											5.2									
MW-8	6-May-98		5.7												15			56					13			7.8			8.7				6.1					
MW-8	8-Dec-98														7.9			37											5.2									
MW-8	16-Apr-99											6			13			55											6									
MW-8 (dup)	16-Apr-99														10			41																				
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	NS	NS	NS	NS	NS		NS	NS
MW-8	11-Apr-00																	12																				
MW-8	20-Dec-00																																					
MW-8	16-Apr-01																																					
MW-8	3-Dec-01																																					
MW-8	12-Apr-02																																					
MW-8	5-Nov-02																																					
MW-8	17-Apr-03																																	10				
MW-8	4-Nov-03																	12																				
MW-8	14-Apr-04																	7.9																				
MW-8	18-Nov-04																	7.9																				
MW-8	21-Apr-05																																					
MW-8	11-Nov-05																																					
MW-8	14-Apr-06																																					
MW-8	9-Nov-06																																					
MW-8	20-Apr-07																	18.9																				
MW-8	8-Nov-07																	6.6																				
MW-8	20-May-08		0.19J					0.16J		0.38J		0.16J			0.96J			14.2					0.76J			0.28J			0.39J									
MW-8	10-Nov-08		0.14J							0.39J					0.58J								1.17			0.17J	0.11J		0.23J									
MW-8	11-Mar-09		0.20J					0.19J		0.32J					0.61J			6.84					0.30J															
MW-8	3-Dec-09		0.22J							0.35J					0.62J			8.04					0.45J			0.13J			0.25J			0.44J						

Table 3b
Detected Constituents - Volatile and Semi-Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	Bromomethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Iodomethane	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol
NC2L		600	1	0.56	NE	0.0004	700	50	3,000	70	3	6	20	1,000	6	0.4	7	70	100	0.6	600	NE	5	4,000	70	0.7	600	200	3	2,000	0.005	0.03	500	3	6,000	700	NE	3.5
SWSL		100	1	1	10	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	10	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10
MW-8d	8-Jun-01																																					
MW-8d	4-Dec-01																																					
MW-8d	9-Apr-02																																					
MW-8d (dup)	9-Apr-02																																					
MW-8d	7-Nov-02																																					
MW-8d	16-Apr-03																																					
MW-8d	4-Nov-03																																					
MW-8d	21-Apr-04																																					
MW-8d	18-Nov-04																																					
MW-8d	21-Apr-05																																					
MW-8d	11-Nov-05																																					
MW-8d	14-Apr-06																																					
MW-8d	10-Nov-06																																					
MW-8d	20-Apr-07																																					
MW-8d	8-Nov-07																																					
MW-8d	15-May-08									0.28J					0.17J			0.07J																				
MW-8d	6-Nov-08									0.31J													0.62J															
MW-8d	16-Mar-09									0.39J					0.14J			0.07J								0.44J												
MW-8d	4-Dec-09									0.36J					0.14J			0.08J																				

Table 3b
Detected Constituents - Volatile and Semi-Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	Bromomethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Iodomethane	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol
NC2L		600	1	0.56	NE	0.0004	700	50	3,000	70	3	6	20	1,000	6	0.4	7	70	100	0.6	600	NE	5	4,000	70	0.7	600	200	3	2,000	0.005	0.03	500	3	6,000	700	NE	3.5
SWSL		100	1	1	10	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	10	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10
MW-9	6-Mar-94		5.3							5.8		1.6			100		1.3				0.73		680			6.6	6	7	8.7	4.2		0.96	15.2					
MW-9	15-Apr-94		5.6						14.1	4.9	7.3	2.4			96.8		1.8	0.7					357			8.2	1.6		12.4	3.6			17.3					
MW-9	11-May-94		6.8							5	20.1				134								357			7.6			13				20.5					
MW-9	31-May-94		8.2							6.6		3.4			170		1.7						460			8.8	1.7	8.7	14	3.6			23.3					
MW-9	25-Aug-94														165								558															
MW-9	29-Sep-94		7							5.1					131								400			8.2		6.5					16					
MW-9	13-Jun-95		11						20					28	203								258			11		7	23				8					
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	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		NS	NS
MW-9	31-Oct-95		15						29					44	310								278			14			27				14					
MW-9	30-Jan-96		14						22		11			33	270											8			23				6					
MW-9	29-Nov-96		22												280														31									
MW-9	22-Apr-97		24											16	220														28				14.2					
MW-9	2-Nov-97													32	200																							
MW-9	6-May-98		17											31	210											13			32									
MW-9	8-Dec-98		14											53	200											13			31					20				
MW-9	16-Apr-99		7											49	140											7			20					12				
MW-9	2-Dec-99														120														20									
MW-9	11-Apr-00														110														20									
MW-9	20-Dec-00													25	100														18									
MW-9	16-Apr-01													20	93			6								6			15					21				
MW-9	3-Dec-01													25	100			20											5									
MW-9 (dup)	3-Dec-01													20	89			19																22				
MW-9	12-Apr-02														97			21																				
MW-9	5-Nov-02													19	84			20																				
MW-9	17-Apr-03		5											19	100			29									6							59				
MW-9	4-Nov-03		5												83			28									13						8					
MW-9	14-Apr-04		5.86									5.5		11.8	96			27			2.5						15					6.2	7.4	28				
MW-9	18-Nov-04											5.2		13.2	73.7			6.4									6.6					26.5						
MW-9	21-Apr-05											5.2		9.5	69.6																	29.6						
MW-9	11-Nov-05											6.7		8.3	63.1																	28.8						
MW-9	14-Apr-06											6.9			47.6																	29.5						
MW-9	9-Nov-06											5.8			39.9																	23						
MW-9	19-Apr-07		4.4									8.4			44.4																	32.9						
MW-9	8-Nov-07		1.6									7.4			28.9	1													1.1			26.4						
MW-9	20-May-08		2.17					0.28J	3.53J			7.73		0.42J	28.9	0.86J		3.83J		0.9J	1.51		0.24J				1.01		0.45J	0.24J		25.6	1.69J		1.11J			
MW-9 (dup)	20-May-08		2.27					0.27J				7.42			30.3			3.62J	0.23J		1.32		0.26J				1.03		0.42J			27.7	1.10J		1.01J			
MW-9	11-Nov-08		1.74					0.20J	2.24J			6.26			21.6			3.28J			1.06		0.72J				0.60J		0.28J			19.1	0.48J					
MW-9	11-Mar-09		1.96					0.24J	2.50J			6.99			22.9			4.16J	0.15J	0.86J	1.06						0.54J		0.20J			22.1	0.77J	0.834J				
MW-9 (dup)	11-Mar-09		1.85					0.24J	2.36J			6.93			22.5			4.14J	0.13J	0.83J	1.06						0.54J		0.24J			21.5	0.89J	2.07J				
MW-9	3-Dec-09		1.58					0.22J	2.37J			6.06			18.9	0.67J		5.99	0.21J	0.8J	1.15						0.37J		0.28J			21.5	0.79J					

Table 3b
Detected Constituents - Volatile and Semi-Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	Bromomethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Iodomethane	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol
NC2L		600	1	0.56	NE	0.0004	700	50	3,000	70	3	6	20	1,000	6	0.4	7	70	100	0.6	600	NE	5	4,000	70	0.7	600	200	3	2,000	0.005	0.03	500	3	6,000	700	NE	3.5
SWSL		100	1	1	10	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	10	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10
MW-10	6-Mar-94		2.4							2.5					37		2.4						72			4.6		16	9.8	12			26.7					
MW-10	15-Apr-94		1.8						18.1	1.6	5.5				24.2	2.6	2.6						67.3			4.8			8				16.9					
MW-10	11-May-94		1.4						15.8	1.7	4				23	2.6	1.8						54.8			4			6.8	16.3			6.7					
MW-10	31-May-94		3.7							3.9					57		2.7						120			8.7		17	15	15			19.1					
MW-10	25-Aug-94								47.7		18.7				72						8		194			9.2		18.4		18			15					
MW-10	29-Sep-94		4.2						37.7	3.4	7.2				56.3		3.5						148					3.5	19	17.1			13.1					
MW-10	13-Jun-95		7						53		13			18	84								223			13		13	20				14					
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	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		NS	NS
MW-10	31-Oct-95								33					46	44			10					47			7		14	8	14								
MW-10	30-Jan-96		8						48		10			29	101			12								9		8	18				8					
MW-10	28-Nov-96								3						12			1					15			2			2									
MW-10	22-Apr-97		12						31					8.5	160			20					120			25			33				19.6	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	NS	NS	NS	NS	NS		NS	NS
MW-10	8-Dec-98														140			48					270			16			19				12					
MW-10	11-Jan-99		7						19						140			36					320			14			18					NS				
MW-10	8-Feb-99		9						24						140			41								17			21				20	NS				
MW-10 (dup)	8-Feb-99		8						20						130			38								13			17					NS				
MW-10	16-Apr-99														160			26					410											16				
MW-10	2-Dec-99														40								77			6								14				
MW-10	12-Apr-00														46			7					88			7			6									
MW-10	20-Dec-00														35								40															
MW-10	17-Apr-01														34								34															
MW-10	3-Dec-01														26								18															
MW-10	12-Apr-02														22								18															
MW-10	5-Nov-02													6	20								16			8												
MW-10 (dup)	5-Nov-02													6	21								16			9												
MW-10	17-Apr-03													5	26								22			7												
MW-10	4-Nov-03													5	26																							
MW-10	14-Apr-04													5																				189				
MW-10	18-Nov-04																	6.4																37				
MW-10	21-Apr-05																	9.9																				
MW-10	11-Nov-05														5.7			17.6																				
MW-10	14-Apr-06																	11.9																				
MW-10	9-Nov-06														7.8			27.7																				
MW-10	19-Apr-07														6.3			7.4																24				
MW-10	8-Nov-07																						1			1.3								21				
MW-10	20-May-08		1.16						1.03J			0.46J		0.55J	6.07		0.14J	7.13					3.69			2.34			1.81	0.17J		0.49J	0.52J	3.12J				
MW-10	11-Nov-08		2.26						1.46J			0.66J		0.83J	9.44			11.3					1.89			4.2			2.99			1.67	0.41J					
MW-10	11-Mar-09		3.53						1.50J			0.50J			8.52			22.3								4.06			4			1.70	0.65J	0.616J				
MW-10	3-Dec-09		4.32					0.09J	1.06J			0.68J		0.38J	7.58			28.8					0.42J			2.65			2.99			0.95J	0.15J					

Table 3b
Detected Constituents - Volatile and Semi-Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	Bromomethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Iodomethane	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol
NC2L		600	1	0.56	NE	0.0004	700	50	3,000	70	3	6	20	1,000	6	0.4	7	70	100	0.6	600	NE	5	4,000	70	0.7	600	200	3	2,000	0.005	0.03	500	3	6,000	700	NE	3.5
SWSL		100	1	1	10	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	10	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10
MW-10d	8-Jun-01														12								16															
MW-10d	4-Dec-01														17																							
MW-10d	11-Apr-02														16																							
MW-10d	5-Nov-02														13																							
MW-10d	17-Apr-03														11																							
MW-10d	4-Nov-03														8																			13				
MW-10d	26-Apr-04														5.9																			32.4				
MW-10d	18-Nov-04																																	43				
MW-10d	21-Apr-05																																					
MW-10d	11-Nov-05																																					
MW-10d	14-Apr-06																																					
MW-10d	10-Nov-06																																					
MW-10d	20-Apr-07																																	19.9				
MW-10d	8-Nov-07																																	20				
MW-10d	20-May-08									0.3J				0.36J	2.01J			0.2J					0.71J			0.29J			0.36J									
MW-10d	6-Nov-08		0.22J				6.01J			0.21J					2.16J			0.15J					1.47			0.32J			0.37J	0.39J								
MW-10d	12-Mar-09									0.26J				0.67J	2.30J			0.18J					1.17			0.33J			0.37J					1.12J				
MW-10d	4-Dec-09									0.25J				0.56J	2.44J			0.27J					1.06			0.47J			0.48J	0.29J								
MW-22	9-Jun-97																																					
MW-22	18-Aug-97																																					
MW-22	2-Nov-97													5.2	6.9																							
MW-22	6-May-98																																					
MW-22	8-Dec-98														8.6																							
MW-22	16-Apr-99														6																							
MW-22	2-Dec-99																																					
MW-22	12-Apr-00																																					
MW-22	20-Dec-00														9																							
MW-22	17-Apr-01														9																							
MW-22	4-Dec-01														6																							
MW-22	9-Apr-02														5																							
MW-22	6-Nov-02														5																							
MW-22	17-Apr-03																																					
MW-22	5-Nov-03																																					
MW-22	26-Apr-04																																					
MW-22	19-Nov-04																																					
MW-22	22-Apr-06																																					
MW-22	11-Nov-05																																					
MW-22	14-Apr-07																																					
MW-22	9-Nov-06																																					
MW-22	20-Apr-07																																					
MW-22	8-Nov-07																																					
MW-22	15-May-08														0.25J											0.31J								1.47J				
MW-22	6-Nov-08																						0.74J			0.32J												
MW-22	12-Mar-09														0.09J											0.66J								0.71J				
MW-22	4-Dec-09		0.15J							1.2J													0.4J			0.31J												

Table 3b
Detected Constituents - Volatile and Semi-Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	Bromomethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Iodomethane	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol
NC2L		600	1	0.56	NE	0.0004	700	50	3,000	70	3	6	20	1,000	6	0.4	7	70	100	0.6	600	NE	5	4,000	70	0.7	600	200	3	2,000	0.005	0.03	500	3	6,000	700	NE	3.5
SWSL		100	1	1	10	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	10	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10
MW-23	9-Jun-97								40						86			7.6					100			9.3	16	6.4	9.1				13					
MW-23	18-Aug-97								33						93			11					85															
MW-23	2-Nov-97								26						68			11					40			5.6			6.3									
MW-23	5-May-98														6.9								10															
MW-23	8-Dec-98														7.4																			8.3				
MW-23 (dup)	8-Dec-98														9.2																							
MW-23	16-Apr-99																																					
MW-23	2-Dec-99																																					
MW-23 (dup)	2-Dec-99																																					
MW-23	12-Apr-00																																					
MW-23	20-Dec-00																																					
MW-23	17-Apr-01																																					
MW-23	4-Dec-01																																					
MW-23	11-Apr-02																																					
MW-23	6-Nov-02																																					
MW-23	17-Apr-03																																					
MW-23 (dup)	17-Apr-03																																					
MW-23	5-Nov-03																																					
MW-23	26-Apr-04																																					
MW-23	19-Nov-04																																					
MW-23	21-Apr-05																																					
MW-23	11-Nov-05																																					
MW-23	14-Apr-06																																					
MW-23	9-Nov-06																																					
MW-23	20 ap 07																																					
MW-23	8-Nov-07																																					
MW-23	15-May-08									0.17J					0.67J											0.19J								0.86J				
MW-23	6-Nov-08														0.35J								0.37J			0.13J												
MW-23	12-Mar-09														0.35J											0.48J												
MW-23	4-Dec-09														0.23J																							

Table 3b
Detected Constituents - Volatile and Semi-Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	Bromomethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Iodomethane	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol
NC2L		600	1	0.56	NE	0.0004	700	50	3,000	70	3	6	20	1,000	6	0.4	7	70	100	0.6	600	NE	5	4,000	70	0.7	600	200	3	2,000	0.005	0.03	500	3	6,000	700	NE	3.5
SWSL		100	1	1	10	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	10	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10
MW-23d	5-May-98																																					
MW-23d	8-Dec-98																																	7.8				
MW-23d	16-Apr-98																																					
MW-23d	2-Dec-99																																	10				
MW-23d	12-Apr-00																																	10				
MW-23d	20-Dec-00																																					
MW-23d	17-Apr-01																																					
MW-23d	4-Dec-01																																					
MW-23d	11-Apr-02																																					
MW-23d	6-Nov-02																																					
MW-23d	17-Apr-03																																					
MW-23d	5-Nov-03																																					
MW-23d	26-Apr-04																																					
MW-23d	19-Nov-04									6.4																												
MW-23d	21-Apr-05									6.9																												
MW-23d	11-Nov-05																																					
MW-23d	14-Apr-06																																					
MW-23d	9-Nov-06																																					
MW-23d	20-Apr-07																																					
MW-23d	8-Nov-07																																					
MW-23d	15-May-08									0.3J																												
MW-23d	6-Nov-08									0.15J																												
MW-23d	12-Mar-09									0.24J																								1.21J				
MW-23d	4-Dec-09									0.2J																												

Table 3b
Detected Constituents - Volatile and Semi-Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	Bromomethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Iodomethane	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol
NC2L		600	1	0.56	NE	0.0004	700	50	3,000	70	3	6	20	1,000	6	0.4	7	70	100	0.6	600	NE	5	4,000	70	0.7	600	200	3	2,000	0.005	0.03	500	3	6,000	700	NE	3.5
SWSL		100	1	1	10	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	10	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10
MW-24	9-Jun-97								12						37			5.1			14		200				160		8.5				57					
MW-24	18-Aug-97														68								380				400											
MW-24	1-Nov-97														56						25		340				260						98					
MW-24 (dup)	1-Nov-97														68						33		370				340						131					
MW-24	5-May-98														42						28		240				230						112					
MW-24	8-Dec-98		12						30						85			26			23		280				140		15				93	7.7				
MW-24	16-Apr-99								19						55						13		170				46						60					
MW-24	2-Dec-99														25								43										21	11				
MW-24	12-Apr-00														42			5					39			7			7				33					
MW-24	20-Dec-00														44			5					29			8			7				21					
MW-24	16-Apr-01														34			5					18			6							12					
MW-24 (dup)	16-Apr-01														34			5					20			6							12					
MW-24	3-Dec-01														33			5					12			8							10					
MW-24	12-Apr-02														27											6							8					
MW-24	5-Nov-02														21																							
MW-24	17-Apr-03														19																			30				
MW-24	4-Nov-03														9																							
MW-24	14-Apr-04														6.5																							
MW-24	18-Nov-04																																					
MW-24	21-Apr-05																																					
MW-24	11-Nov-05									7																												
MW-24	14-Apr-06									8.5																												
MW-24	9-Nov-06									9.8																												
MW-24	19-Apr-07									11.4																												
MW-24	8-Nov-07									7.2																												
MW-24	20-May-08									14.8					0.29J								0.19J			0.38J								1.52J				
MW-24	11-Nov-08	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	NS	NS	NS	NS	NS	NS	NS	NS		NS	NS
MW-24	12-Mar-09									10.1					0.26J											0.62J								1.69J				
MW-24	4-Dec-09				*1.48J					9.11	*422				0.2J							*2.93J				0.2J												
MW-27	4-May-98																																	7.5				
MW-27	7-Dec-98																																	6.4				
MW-27	26-Apr-99																																	20				
MW-27	3-Dec-99																																					
MW-27	12-Apr-00																																					
MW-27	18-Apr-01																																					
MW-27	12-Apr-02																																					
MW-27	17-Apr-03																																					
MW-27	26-Apr-04																																					

Table 3b
Detected Constituents - Volatile and Semi-Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	Bromomethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Iodomethane	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol
NC2L		600	1	0.56	NE	0.0004	700	50	3,000	70	3	6	20	1,000	6	0.4	7	70	100	0.6	600	NE	5	4,000	70	0.7	600	200	3	2,000	0.005	0.03	500	3	6,000	700	NE	3.5
SWSL		100	1	1	10	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	10	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10
MW-28	1-May-98																																					
MW-28	17-Aug-98																																					
MW-28	9-Sep-98																																					
MW-28	7-Oct-98																																					
MW-28	9-Dec-98																																	12				
MW-28	12-Jan-99																																					
MW-28	9-Feb-99																																					
MW-28	19-Apr-99																																					
MW-28	3-Dec-99																																					
MW-28	12-Apr-00																																					
MW-28	18-Apr-01																																					
MW-28	12-Apr-02																																					
MW-28	17-Apr-03																																					
MW-28	26-Apr-04																																					
MW-28	22-Apr-05																																					
MW-28	14-Apr-06																																					
MW-28	20-Apr-07																																					
MW-28	19-May-08									0.39J																												
MW-28	12-Mar-09									0.39J																												
MW-28d	1-May-98																																					
MW-28d	17-Aug-98																																					
MW-28d	9-Sep-98																																					
MW-28d	7-Oct-98																																					
MW-28d	9-Dec-98																																	20				
MW-28d	12-Jan-99																																					
MW-28d (dup)	12-Jan-99																																					
MW-28d	9-Feb-99																																					
MW-28d	19-Apr-99																																					
MW-28d	3-Dec-99																																	94				
MW-28d	12-Apr-00																																	46				
MW-28d	18-Apr-01																																					
MW-28d	12-Apr-02																																	36				
MW-28d	17-Apr-03																																					
MW-28d	26-Apr-04																																	28.3				
MW-28d	22-Apr-05																																					
MW-28d	14-Apr-06																																					
MW-28d	20-Apr-07																																					
MW-28d	19-May-08									0.45J																												
MW-28d	12-Mar-09									0.33J																0.42J												

Table 3b
Detected Constituents - Volatile and Semi-Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	Bromomethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Iodomethane	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol
NC2L		600	1	0.56	NE	0.0004	700	50	3,000	70	3	6	20	1,000	6	0.4	7	70	100	0.6	600	NE	5	4,000	70	0.7	600	200	3	2,000	0.005	0.03	500	3	6,000	700	NE	3.5
SWSL		100	1	1	10	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	10	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10
MW-29d	4-May-98																																					
MW-29d	17-Aug-98																																					
MW-29d	4-May-98																																					
MW-29d	17-Aug-98																																					
MW-29d	9-Sep-98																																					
MW-29d (dup)	9-Sep-98																																					
MW-29d	7-Oct-98																																					
MW-29d	9-Dec-98																																	37				
MW-29d	12-Jan-99																																					
MW-29d	9-Feb-99																																					
MW-29d	19-Apr-99																																					
MW-29d	3-Dec-99																																					
MW-29d	12-Apr-00																																					
MW-29d	19-Dec-00																																					
MW-29d	18-Apr-01																																					
MW-29d	4-Dec-01																																					
MW-29d	11-Apr-02																																					
MW-29d	6-Nov-02																																					
MW-29d	18-Apr-03																																					
MW-29d	5-Nov-03																																					
MW-29d	26-Apr-04																																					
MW-29d	19-Nov-04																																					
MW-29d	21-Apr-05																																					
MW-29d	11-Nov-05																																					
MW-29d	14-Apr-06																																					
MW-29d	10-Nov-06																																					
MW-29d	20-Apr-07																																	23				
MW-29d	9-Nov-07																																					
MW-29d	19-May-08									0.13J																								1.44J				
MW-29d	7-Nov-08																						0.37J															
MW-29d	10-Mar-09									0.12J																								0.857J				
MW-29d	2-Dec-09									0.15J																0.21J												

Table 3b
Detected Constituents - Volatile and Semi-Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	Bromomethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Iodomethane	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol
NC2L		600	1	0.56	NE	0.0004	700	50	3,000	70	3	6	20	1,000	6	0.4	7	70	100	0.6	600	NE	5	4,000	70	0.7	600	200	3	2,000	0.005	0.03	500	3	6,000	700	NE	3.5
SWSL		100	1	1	10	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	10	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10
MW-30	4-May-98																																					
MW-30	17-Aug-98																																					
MW-30	9-Sep-98																																					
MW-30	7-Oct-98																																					
MW-30	7-Dec-98																																					
MW-30	12-Jan-99																																					
MW-30	9-Feb-99																																					
MW-30	19-Apr-99																																					
MW-30	3-Dec-99																																					
MW-30	12-Apr-00																																					
MW-30	19-Dec-00																																					
MW-30	18-Apr-01																																					
MW-30	4-Dec-01																																					
MW-30	11-Apr-02																																					
MW-30	6-Nov-02																																					
MW-30	17-Apr-03																																					
MW-30	5-Nov-03																																					
MW-30	28-Apr-04																																					
MW-30	19-Nov-04																																	27.7				
MW-30	21-Apr-05																																					
MW-30	11-Nov-05																																					
MW-30	14-Apr-06																																					
MW-30	10-Nov-06																																					
MW-30	20-Apr-07																																					
MW-30	9-Nov-07																																					
MW-30	19-May-08									0.55J																												
MW-30	7-Nov-08									0.45J													0.21J															
MW-30	11-Mar-09									0.39J																												
MW-30	4-Dec-09	3.01J																																				

Table 3b
Detected Constituents - Volatile and Semi-Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	Bromomethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Iodomethane	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol
NC2L		600	1	0.56	NE	0.0004	700	50	3,000	70	3	6	20	1,000	6	0.4	7	70	100	0.6	600	NE	5	4,000	70	0.7	600	200	3	2,000	0.005	0.03	500	3	6,000	700	NE	3.5
SWSL		100	1	1	10	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	10	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10
MW-31	1-May-98																																					
MW-31	17-Aug-98																																					
MW-31	9-Sep-98																																					
MW-31	7-Oct-98																																					
MW-31	8-Dec-98																																					
MW-31	11-Jan-99																																					
MW-31	8-Feb-99																																					
MW-31	19-Apr-99																																					
MW-31	3-Dec-99																																					
MW-31	13-Apr-00									13																												
MW-31	19-Dec-00									25																												
MW-31	17-Apr-01									21																												
MW-31	6-Dec-01									54																												
MW-31	11-Apr-02									37																												
MW-31	6-Nov-02									43																												
MW-31	18-Apr-03									32																												
MW-31	5-Nov-03									48																												
MW-31	28-Apr-04									32.5																												
MW-31	18-Nov-04									26.5																												
MW-31	21-Apr-05									27.2																												
MW-31	11-Nov-05									38.2																												
MW-31	14-Apr-06									36.6																												
MW-31	9-Nov-06									26.2																												
MW-31	20-Apr-07									23.4																												
MW-31	9-Nov-07									9.9																												
MW-31	19-May-08									14.9																												
MW-31	6-Nov-08									10.1													0.15J															
MW-31	11-Mar-09									10.1																												
MW-31	4-Dec-09									4.62J																												

Table 3b
Detected Constituents - Volatile and Semi-Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	Bromomethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Iodomethane	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol
NC2L		600	1	0.56	NE	0.0004	700	50	3,000	70	3	6	20	1,000	6	0.4	7	70	100	0.6	600	NE	5	4,000	70	0.7	600	200	3	2,000	0.005	0.03	500	3	6,000	700	NE	3.5
SWSL		100	1	1	10	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	10	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10
MW-31d	1-May-98																																					
MW-31d	17-Aug-98																																					
MW-31d	9-Sep-98																																					
MW-31d	7-Oct-98																																					
MW-31d	8-Dec-98																																	10				
MW-31d	11-Jan-99																																					
MW-31d	8-Feb-99																																					
MW-31d	19-Apr-99																																	10				
MW-31d	3-Dec-99																																	41				
MW-31d	13-Apr-00																																					
MW-31d	19-Dec-00																																					
MW-31d	18-Apr-01									7																												
MW-31d	6-Dec-01									14																												
MW-31d	11-Apr-02									23																												
MW-31d	6-Nov-02									31																												
MW-31d	18-Apr-03									26																												
MW-31d	5-Nov-03									34																												
MW-31d	28-Apr-04									38.3																												
MW-31d	19-Nov-04									23.8																												
MW-31d	21-Apr-05									31.9																												
MW-31d	11-Nov-05									34																												
MW-31d	14-Apr-06									33.1																												
MW-31d	9-Nov-06									37.7																												
MW-31d	20-Apr-07									37.5																								23				
MW-31d	9-Nov-07									31.5																												
MW-31d	19-May-08									36.6																												
MW-31d	6-Nov-08									33																												
MW-31d	10-Mar-09									30.2																												
MW-31d	2-Dec-09									20																												

Table 3b
Detected Constituents - Volatile and Semi-Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	Bromomethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Iodomethane	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol
NC2L		600	1	0.56	NE	0.0004	700	50	3,000	70	3	6	20	1,000	6	0.4	7	70	100	0.6	600	NE	5	4,000	70	0.7	600	200	3	2,000	0.005	0.03	500	3	6,000	700	NE	3.5
SWSL		100	1	1	10	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	10	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10
MW-32	1-May-98																																					
MW-32	18-Aug-98																																					
MW-32	9-Sep-98																																					
MW-32	6-Oct-98																																					
MW-32	7-Dec-98																																					
MW-32	11-Jan-99																																					
MW-32	8-Feb-99																																					
MW-32	19-Apr-99																																					
MW-32	3-Dec-99																																					
MW-32	13-Apr-00																																					
MW-32	19-Dec-00																																					
MW-32	17-Apr-01																																					
MW-32	4-Dec-01																																					
MW-32	11-Apr-02																																					
MW-32	6-Nov-02																																					
MW-32	18-Apr-03																																					
MW-32	4-Nov-03																																	11				
MW-32	28-Apr-04																																					
MW-32	18-Nov-04																																					
MW-32	21-Apr-05																																					
MW-32	11-Nov-05																																					
MW-32	14-Apr-06																																					
MW-32	9-Nov-06																																					
MW-32	20-Apr-07																																					
MW-32	9-Nov-07																																					
MW-32	19-May-08																																					
MW-32	6-Nov-08																						0.47J															
MW-32	11-Mar-09																																					
MW-32	4-Dec-09				*1.65J						*455											*3.23J																

Table 3b
Detected Constituents - Volatile and Semi-Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	Bromomethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Iodomethane	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol
NC2L		600	1	0.56	NE	0.0004	700	50	3,000	70	3	6	20	1,000	6	0.4	7	70	100	0.6	600	NE	5	4,000	70	0.7	600	200	3	2,000	0.005	0.03	500	3	6,000	700	NE	3.5
SWSL		100	1	1	10	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	10	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10
TB-1a	1-May-98														5.3												6.9	6.9											
TB-1a	18-Aug-98								20						39								22			7.5		9.8	7.6				23					
TB-1a	9-Sep-98								21						40								22			7.7		11	7.9				20					
TB-1a	7-Oct-98								17						35								16			8.2		11	7.1				13					
TB-1a (dup)	7-Oct-98								17						33								16			8.3		11	7.2				17					
TB-1a	9-Dec-98								14						23											5.3		8.2					11					
TB-1a	11-Jan-99								16						21											6.0		11	5.0				6					
TB-1a	8-Feb-99								15						18											7.0		10					8					
TB-1a	19-Apr-99								10						14											5.0		10					5					
TB-1a	3-Dec-99								11						19											6.0		10					9					
TB-1a	13-Apr-00								11						22											7.0		8	5.0				11					
TB-1a	20-Dec-00														13																							
TB-1a	17-Apr-01														11																							
TB-1a	3-Dec-01														7																							
TB-1a	12-Apr-02														8																							
TB-1a	5-Nov-02														9																							
TB-1a	17-Apr-03														30											7.0			6.0									
TB-1a	4-Nov-03									8					8																							
TB-1a	14-Apr-04									20.4																												
TB-1a	18-Nov-04									17.3																												
TB-1a	21-Apr-05									18.8																												
TB-1a	11-Nov-05									24.3																												
TB-1a	14-Apr-06									18.6																												
TB-1a	9-Nov-06									25.5																												
TB-1a	19-Apr-07									22.5																												
TB-1a	9-Nov-07									21.8																												
TB-1a	20-May-08			0.66J						11.5					0.21J								0.31J			0.17J												
TB-1a	11-Nov-08			0.54J						11.6					0.33J								1.1			0.16J												
TB-1a	11-Mar-09									5.6					0.33J											0.12J												
TB-1a	3-Dec-09									5.5					0.3J											0.16J												
TB-1a deep	8-Jun-01																																					
TB-1a deep	6-Dec-01																																					
TB-1a deep	11-Apr-02																																					
TB-1a deep	6-Nov-02																																					
TB-1a deep	18-Apr-03									8																												
TB-1a deep	4-Nov-03																																	19				
TB-1a deep	28-Apr-04									22																												
TB-1a deep	18-Nov-04									17.9																												
TB-1a deep	21-Apr-05									25.6																												
TB-1a deep	11-Nov-05									30.6																												
TB-1a deep	14-Apr-06									29.1																												
TB-1a deep	10-Nov-06									35.6																												
TB-1a deep	20-Apr-07									32.4																												
TB-1a deep	9-Nov-07									26.2																												
TB-1a deep	19-May-08		0.77J							25.2													0.72J															
TB-1a deep	7-Nov-08									32.5													0.42J															
TB-1a deep	12-Mar-09									31.8																												
TB-1a deep	4-Dec-09									33.9																												

Table 3b
Detected Constituents - Volatile and Semi-Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	Bromomethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Iodomethane	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol
NC2L		600	1	0.56	NE	0.0004	700	50	3,000	70	3	6	20	1,000	6	0.4	7	70	100	0.6	600	NE	5	4,000	70	0.7	600	200	3	2,000	0.005	0.03	500	3	6,000	700	NE	3.5
SWSL		100	1	1	10	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	10	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10
MW-33	6-Aug-98																																					
MW-33	7-Dec-98																																					
MW-33	26-Apr-99																																					
MW-33	2-Dec-99																																					
MW-33	13-Apr-00																																					
MW-33	18-Apr-01																																					
MW-33	9-Apr-02																																					
MW-33	16-Apr-03																																					
MW-33	21-Apr-04																																					
MW-33	22-Apr-05																																					
MW-33	14-Apr-06																																					
MW-33	20-Apr-07																																					
MW-33	15-May-08																																					
MW-33	12-Mar-09																																					
MW-34	6-Aug-98																																					
MW-34	7-Dec-98																																					
MW-34	26-Apr-99																																					
MW-34	2-Dec-99																																					
MW-34	13-Apr-00																																					
MW-34	18-Apr-01																																					
MW-34	9-Apr-02																																					
MW-34	16-Apr-03																																					
MW-34	21-Apr-04																																					
MW-34	22-Apr-05																																					
MW-34	14-Apr-06														12.7			6.9																				
MW-34	20-Apr-07														13.8			6.2																				
MW-34	19-May-08		0.56J						1.74J	0.45J		0.95J		1.72J	15.3		0.23J	9.75					10.7			2.14		0.13J	3.07	0.56J			0.16J					
MW-34	12-Mar-09		0.47J						1.26J	0.37J		0.71J		1.72J	13.5		0.47J	9.34					12.7			1.71			2.67	0.68J			0.15J					
MW-34d	6-Aug-98																																	7.3				
MW-34d (dup)	6-Aug-98																																					
MW-34d	7-Dec-98																																					
MW-34d	26-Apr-99																																					
MW-34d	2-Dec-99																																					
MW-34d	13-Apr-00																																					
MW-34d	18-Apr-01																																					
MW-34d	9-Apr-02														5																							
MW-34d	16-Apr-03														11																							
MW-34d	21-Apr-04														6.8																							
MW-34d	22-Apr-05														5.7																							
MW-34d	14-Apr-06																																					
MW-34d	20-Apr-07														6.9																			35				
MW-34d	19-May-08									0.21J				0.36J	1.64J			1.07J					0.2J			0.32J			0.38J	0.19J								
MW-34d	12-Mar-09														0.64J			0.62J								0.51J			0.19J					1.02J				

Table 3b
Detected Constituents - Volatile and Semi-Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Benzene	Bromodichloromethane	Bromomethane	1,2-Dibromoethane	Carbon Disulfide	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	p-Dichlorobenzene	o-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans 1,2-Dichloroethene	1,2-Dichloropropane	Ethylbenzene	Iodomethane	Methylene Chloride	MEK (2-Butanone)	Styrene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,2,3-Trichloropropane	Vinyl Chloride	Total Xylenes	bis(2-ethylhexyl) Phthalate	Diethylphthalate	Di-n-Butylphthalate	Dimethylphthalate	3&4-Methylphenol
NC2L		600	1	0.56	NE	0.0004	700	50	3,000	70	3	6	20	1,000	6	0.4	7	70	100	0.6	600	NE	5	4,000	70	0.7	600	200	3	2,000	0.005	0.03	500	3	6,000	700	NE	3.5
SWSL		100	1	1	10	1	100	3	10	5	1.0	1	5	5	5	1	5	5	5	1.00	1	10	1	100	1	1	1	1	1	1	1	1	5	15	10	10	10	10
MW-35	6-Aug-98																																					
MW-35	7-Dec-98																																					
MW-35	26-Apr-99																																					
MW-35	2-Dec-99																																					
MW-35	13-Apr-00																																					
MW-35	18-Apr-01																																					
MW-35	9-Apr-02																																					
MW-35	16-Apr-03																																					
MW-35	21-Apr-04																																					
MW-35	22-Apr-05																																					
MW-35	14-Apr-06																																					
MW-35	20-Apr-07																																					
MW-35	19-May-08					0.55J				0.17J																0.13J												
MW-35	10-Mar-09									0.15J				0.67J																								
MW-36	4-Dec-08		0.81J						0.77J	0.14J		1.46		2.25J	23.5		0.40J	7.6					0.77J			2.00			3.4	0.28J		0.84J				0.906J		
MW-36	10-Mar-09		0.86J						1.16J	0.13J		1.42		2.52J	23.4	0.36J	0.41J	7.9		0.3J			0.64J			1.62			3.22	0.38J		0.96J						
MW-36	4-Dec-09		0.68J		*1.78J				0.8J		*485	1.4		1.56J	18.6		0.33J	7.25		0.27J		*3.84J	0.46J			0.92J			2.29			0.94J						
MW-36d	4-Dec-08		0.37J	0.24J						1.05J		0.28J		1.78J	10.9			3.18J					9.11			1.95	0.10J		1.5									
MW-36d	10-Mar-09		0.51J						0.74J	0.41J		0.39J		2.94J	12.4		0.28J	3.86J		0.12J			2.27			1.35			1.81	0.29J								
MW-36d	2-Dec-09		0.47J							0.4J		0.44J		1.71J	10.7		0.24J	4.2J					1.32			0.91J			1.64									

Notes:
All units are in micrograms per liter (parts per billion)
- Concentration exceeds NC Groundwater Standards (2L)
- Indicates result below detection limits
NS - Not Sampled; NE - Standard Not Established; dup - Duplicate Sample
J - Indicates the analytical result is an estimated concentration between the Method Detection Limit and the Solid Waste Section Reporting Limit (SWSL)
B - Indicates that the amount detected in the method blank was greater than the Method Detection Limit
MW-27 was abandoned on November 24, 2008 in accordance with 15A NCAC 2C .0113
MW-36/36d installed November 2008
MW-24 was dry during the November 2008 sampling event
Monitoring wells MW-28, -28d, -33, -34, -34d, and -35 sampled yearly during the spring event
* - Solvent contamination in HCl-preserved bottles caused elevated levels of chloromethane, bromomethane, and iodomethane to appear in several analyses during the December 2009 sampling event

Table 3c
Detected Constituents - Pesticides, Herbicides, and PCB's
North Wake Unlined Landfill

Monitor Well	Sample Date	Alpha-BHC	Beta-BHC	Delta-BHC	Gamma-BHC (Lindane)	Heptachlor	Aldrin	4,4'-DDT	DDD	Dieldrin	Endrin Aldehyde	Endosulfan I	Endrin	Dinoseb
NC2L		0.006*	0.019*	0.019*	0.2	0.0078	NE	0.1	0.14	0.0022	2.1	NE	2	7*
SWSL		0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.075	0.1	0.1	0.1	1
MW-11	18-Nov-04													
MW-11	21-Apr-05													
MW-11	11-Nov-05													
MW-11	14-Apr-06													
MW-11	10-Nov-06													
MW-11	20-Apr-07													
MW-11	8-Nov-07													
MW-11	15-May-08													
MW-11	11-Mar-09													
MW-11d	18-Nov-04													
MW-11d	21-Apr-05													
MW-11d	11-Nov-05													
MW-11d	14-Apr-06													
MW-11d	10-Nov-06													
MW-11d	20-Apr-07													
MW-11d	8-Nov-07													
MW-11d	15-May-08							0.0297J				0.0096J**		
MW-11d	16-Mar-09													
MW-5	18-Nov-04		**0.384**	**0.152**										
MW-5	21-Apr-05		**0.405**	**0.933**	0.098									
MW-5	11-Nov-05													
MW-5	14-Apr-06													
MW-5	9-Nov-06													
MW-5	19-Apr-07													
MW-5	8-Nov-07													
MW-5R	21-May-08							0.0609J				0.0752J**		
MW-5R	11-Mar-09													
MW-6	18-Nov-04	**0.235**		**0.706**						**0.281**			0.412	
MW-6	21-Apr-05	**0.182**		**0.48**										
MW-6	11-Nov-05		**0.31**		0.053									1.72
MW-6	14-Apr-06													
MW-6	9-Nov-06													
MW-6	19-Apr-07													
MW-6	8-Nov-07		**0.062**							**0.094**				
MW-6	20-May-08		0.0233J					0.0312J**						
MW-6	11-Mar-09	**0.0743J**	**0.0437JD**	**0.0611J**		**0.0292JD**	0.104JD	0.0466JD	0.018JD		0.0574JD	0.0322JD		
MW-6d	18-Nov-04													
MW-6d	21-Apr-05													
MW-6d	11-Nov-05													
MW-6d	11-Apr-06													
MW-6d	9-Nov-06													
MW-6d	20-Apr-07													
MW-6d	8-Nov-07													
MW-6d	20-May-08													
MW-7	18-Nov-04													
MW-7	21-Apr-05													1.21
MW-7	11-Nov-05													
MW-7	14-Apr-06													
MW-7	9-Nov-06													
MW-7	20-Apr-07													
MW-7	8-Nov-07													
MW-7	15-May-08											0.0929J**		
MW-8	18-Nov-04													
MW-8	21-Apr-05	**0.132**												
MW-8	11-Nov-05													
MW-8	14-Apr-06													
MW-8	9-Nov-06													
MW-8	20-Apr-07													
MW-8	8-Nov-07													
MW-8	20-May-08													
MW-8d	18-Nov-04													
MW-8d	21-Apr-05													
MW-8d	11-Nov-05													
MW-8d	14-Apr-06													
MW-8d	10-Nov-06													
MW-8d	20-Apr-07													
MW-8d	8-Nov-07													
MW-8d	15-May-08											0.0254J**		
MW-9	18-Nov-04			**0.138**	0.051									1.8
MW-9	21-Apr-05			**0.896**	**0.622**									
MW-9	11-Nov-05													1.4
MW-9	14-Apr-06				0.143									
MW-9	9-Nov-06				**0.786**									
MW-9	19-Apr-07													
MW-9	8-Nov-07			**0.06**										
MW-9	20-May-08			0.0132J								0.0368J**		
MW-9 (dup)	20-May-08													
MW-9	11-Mar-09													
MW-9 (MW-18 dup)	11-Mar-09													

Table 3c
Detected Constituents - Pesticides, Herbicides, and PCB's
North Wake Unlined Landfill

Monitor Well	Sample Date	Alpha-BHC	Beta-BHC	Delta-BHC	Gamma-BHC (Lindane)	Heptachlor	Aldrin	4,4'-DDT	DDD	Dieldrin	Endrin Aldehyde	Endosulfan I	Endrin	Dinoseb
NC2L		0.006*	0.019*	0.019*	0.2	0.0078	NE	0.1	0.14	0.0022	2.1	NE	2	7*
SWSL		0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.075	0.1	0.1	0.1	1
MW-10	18-Nov-04													
MW-10	21-Apr-05													
MW-10	11-Nov-05													
MW-10	14-Apr-06													
MW-10	9-Nov-06													
MW-10	19-Apr-07													
MW-10	8-Nov-07													
MW-10	20-May-08													
MW-10d	18-Nov-04													
MW-10d	21-Apr-05													
MW-10d	11-Nov-05													1.72
MW-10d	14-Apr-06													
MW-10d	10-Nov-06													
MW-10d	20-Apr-07													
MW-10d	8-Nov-07													
MW-10d	20-May-08											0.0234J**		
MW-22	19-Nov-04													
MW-22	22-Apr-06													
MW-22	11-Nov-05													
MW-22	14-Apr-07													
MW-22	9-Nov-06													
MW-22	20-Apr-07													
MW-22	8-Nov-07													
MW-22	15-May-08											0.124		
MW-22	12-Mar-09													
MW-23	19-Nov-04													
MW-23	21-Apr-05													
MW-23	11-Nov-05													
MW-23	14-Apr-06													
MW-23	9-Nov-06													
MW-23	20 ap 07													
MW-23	8-Nov-07													
MW-23	15-May-08													
MW-23d	19-Nov-04													
MW-23d	21-Apr-05													
MW-23d	11-Nov-05													
MW-23d	14-Apr-06													
MW-23d	9-Nov-06													
MW-23d	20-Apr-07													
MW-23d	8-Nov-07													
MW-23d	15-May-08											0.0256J**		
MW-24	18-Nov-04													
MW-24	21-Apr-05													
MW-24	11-Nov-05													
MW-24	14-Apr-06													
MW-24	9-Nov-06													
MW-24	19-Apr-07													
MW-24	8-Nov-07													
MW-24	20-May-08											0.017J**		
MW-28	22-Apr-05													
MW-28	14-Apr-06													
MW-28	20-Apr-07													
MW-28	19-May-08			0.0209J								0.0412J**		
MW-28	12-Mar-09													
MW-28d	22-Apr-05													
MW-28d	14-Apr-06													
MW-28d	20-Apr-07													
MW-28d	19-May-08											0.0308J**		
MW-29d	19-Nov-04													
MW-29d	21-Apr-05													
MW-29d	11-Nov-05													
MW-29d	14-Apr-06													
MW-29d	10-Nov-06													
MW-29d	20-Apr-07													
MW-29d	9-Nov-07													
MW-29d	19-May-08			0.0309J								0.0464J**		
MW-29d	10-Mar-09													

Table 3c
Detected Constituents - Pesticides, Herbicides, and PCB's
North Wake Unlined Landfill

Monitor Well	Sample Date	Alpha-BHC	Beta-BHC	Delta-BHC	Gamma-BHC (Lindane)	Heptachlor	Aldrin	4,4'-DDT	DDD	Dieldrin	Endrin Aldehyde	Endosulfan I	Endrin	Dinoseb
NC2L		0.006*	0.019*	0.019*	0.2	0.0078	NE	0.1	0.14	0.0022	2.1	NE	2	7*
SWSL		0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.075	0.1	0.1	0.1	1
MW-30	19-Nov-04													
MW-30	21-Apr-05													
MW-30	11-Nov-05													
MW-30	14-Apr-06													
MW-30	10-Nov-06													
MW-30	20-Apr-07													
MW-30	9-Nov-07													
MW-30	19-May-08			**0.0632**								0.155		
MW-30	11-Mar-09													
MW-31	18-Nov-04													
MW-31	21-Apr-05													
MW-31	11-Nov-05													
MW-31	14-Apr-06													
MW-31	9-Nov-06													
MW-31	20-Apr-07													
MW-31	9-Nov-07													
MW-31	19-May-08			0.0111J										
MW-31	11-Mar-09													
MW-31d	19-Nov-04													
MW-31d	21-Apr-05													
MW-31d	11-Nov-05													
MW-31d	14-Apr-06													
MW-31d	9-Nov-06													
MW-31d	20-Apr-07													
MW-31d	9-Nov-07													
MW-31d	19-May-08											0.0375J**		
MW-32	18-Nov-04													
MW-32	21-Apr-05													
MW-32	11-Nov-05													
MW-32	14-Apr-06													
MW-32	9-Nov-06													
MW-32	20-Apr-07													
MW-32	9-Nov-07													
MW-32	19-May-08											0.0492J**		
TB-1a	18-Nov-04													
TB-1a	21-Apr-05													
TB-1a	11-Nov-05													
TB-1a	14-Apr-06													
TB-1a	9-Nov-06													
TB-1a	19-Apr-07													
TB-1a	9-Nov-07													
TB-1a	20-May-08	0.0183J										0.0828J**		
TB-1a	11-Mar-09													
TB-1a deep	11-Nov-05													
TB-1a deep	14-Apr-06													
TB-1a deep	10-Nov-06													
TB-1a deep	20-Apr-07													
TB-1a deep	9-Nov-07													
TB-1a deep	19-May-08											0.0595J**		
MW-33	22-Apr-05													
MW-33	14-Apr-06													
MW-33	20-Apr-07													
MW-33	15-May-08			0.00175J								0.0318J**		
MW-33	12-Mar-09													
MW-34	22-Apr-05													
MW-34	14-Apr-06													
MW-34	20-Apr-07													
MW-34	19-May-08													
MW-34d	22-Apr-05													
MW-34d	14-Apr-06													
MW-34d	20-Apr-07													
MW-34d	19-May-08											0.0145J**		
MW-35	22-Apr-05													
MW-35	14-Apr-06													
MW-35	20-Apr-07													
MW-35	19-May-08													
MW-36	4-Dec-08		**0.059**	0.0102J	0.162									
MW-36	10-Mar-09				0.186D									
MW-36d	4-Dec-08				0.0366J									
MW-36d	10-Mar-09			0.0139J	0.0259JD			0.075J						

Notes:
All units are in micrograms per liter (parts per billion)
- Concentration exceeds NC Groundwater Standards (2L)
- Indicates result below detection limits
* - Groundwater Protection Standard
** - Endosulfan I was also detected in the background well MW-11d and batch and equipment blanks at similar concentrations
NE - Standard Not Established
J - Indicates the analytical result is an estimated concentration between the Method Detection Limit and the Solid Waste Section Reporting Limits (SWSL)
D - Detected but the relative percent difference is greater than 40% between results in the dual column method
MW-36/36d installed November 2008
Monitoring wells MW-28, -28d, -33, -34, -34d, and -35 sampled yearly during the spring event

Table 3d
Detected Surface Water Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Silver	Thallium	Vanadium	Zinc
NC2B		**50**	**NE**	**6.4**	**2**	**50**	**NE**	**7***	**25**	**88**	**0.06**	**NE**	**NE**	**50***
SWSL		**10**	**100**	**1**	**1**	**10**	**10**	**10**	**10**	**50**	**10**	**5.5**	**25**	**10**
SW-2	13-Jun-95													
SW-2	31-Oct-95				**2**									
SW-2	28-Nov-96		25				2							21
SW-2	21-Apr-97		29											
SW-2	5-Nov-97													
SW-2	11-May-98													
SW-2	24-Nov-98													
SW-2	14-Apr-99													
SW-2	9-Apr-02													
SW-2	16-Apr-03													
SW-2	29-Oct-03													
SW-2	8-Apr-04													
SW-2	18-Nov-04				1									
SW-2	21-Apr-05													
SW-2	11-Nov-05													
SW-2	13-Apr-06													
SW-2	9-Nov-06													
SW-2	20-Apr-07													
SW-2	7-Nov-07													
SW-2	21-May-08		28.9J			1.53J		5.97J						5.81J
SW-2	7-Nov-08		33.5JB	3.10B		4.28JB		**7.72JB**	3.62JB		**8.20JB**		15.1JB	4.51J
SW-2	16-Mar-09		52.8JB	**9.06B**		4.73JB		**8.54JB**	3.61JB		**2.01JB**	5.89	10.4JB	12.5
SW-2	2-Dec-09		16.7J	0.46J				**7.65JB**					8.31JB	7.57JB
SW-3	13-Jun-95													
SW-3	31-Oct-95													
SW-3	27-Nov-96		33				2							32
SW-3	21-Apr-97		19											
SW-3	1-Nov-97													**56**
SW-3	11-May-98													
SW-3	24-Nov-98													
SW-3	14-Apr-99													
SW-3	30-Nov-99													
SW-3	12-Apr-00													
SW-3	15-Dec-00													
SW-3	16-Apr-01													
SW-3	29-Nov-01													
SW-3	9-Apr-02													
SW-3	16-Apr-03													
SW-3	29-Oct-03					11.1								
SW-3	8-Apr-04													
SW-3	18-Nov-04													
SW-3	21-Apr-05													
SW-3	11-Nov-05													
SW-3	13-Apr-06													
SW-3	9-Nov-06													
SW-3	20-Apr-07													
SW-3	7-Nov-07				1									13
SW-3	19-May-08		28.5J			3.21J		6.36J			**4.09J**			
SW-3	6-Nov-08		40.8JB			3.41JB		5.94JB	8.95JB		**9.04JB**		6.43JB	4.79J
SW-3	16-Mar-09	3.86J	47.6JB	3.16B		5.02JB		**7.72JB**	5.76JB	5.09J	**1.89JB**	5.97	12.5JB	7.17J
SW-3	2-Dec-09		32.9J	0.49J		3.65J	2.65J	**12.1B**					14.9JB	14.3B
SW-7	7-Nov-08		50.8JB			16.0B	10.7	**20.3B**	9.63JB		**9.62JB**		19.8JB	6.33J
SW-7	16-Mar-09	3.45J	45.5JB	5.37B		4.51JB		**7.4JB**	9.39JB		**2.04JB**		14.8JB	7.09J
SW-7	2-Dec-09		21.1J	0.05J		4.8J		**7.02JB**					8.72JB	8.19JB
SW-8	7-Nov-08		26.7JB			3.14JB		**7.10JB**			**8.56JB**		7.92JB	
SW-8	16-Mar-09		44.8JB	6.11B		5.02JB		**7.51JB**	8.08JB		**1.56JB**		10.6JB	10.2
SW-8	2-Dec-09		28.1J	0.5J		2.38J		**8.11JB**					11.8JB	20.8B

Notes:
All units are in micrograms per liter (parts per billion)
- Concentration exceeds NC Surface Water Standards for Class C Waters
- Indicates result below detection limits
* - Action Level
NE - Standard Not Established
J - Indicates the analytical result is an estimated concentration between the Method Detection Limit and the Solid Waste Section Reporting Limit (SWSL)
B - Indicates that the amount detected in the method blank was greater than the Method Detection Limit

Table 3e
Detected Surface Water Constituents - Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Acetone	Bromodichloromethane	Bromoform	2-Butanone (MEK)	Carbon Disulfide	Chloroform	Chloromethane	Dibromochloromethane	Cis 1,2-Dichloroethene	1,1-Dichloroethane	Methylene Chloride	Tetrachloroethene	Toluene	Trichlorofluoromethane
NC2B		**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**10.8**	**11**	**NE**
SWSL		**100**	**1**	**3**	**100**	**1000**	**5**	**1**	**1**	**5**	**5**	**1**	**1**	**1**	**1**
SW-2	18-Nov-04														
SW-2	21-Apr-05														
SW-2	11-Nov-05														
SW-2	14-Apr-06														
SW-2	9-Nov-06														
SW-2	19-Apr-07														
SW-2	9-Nov-07						0.2J	0.3J							
SW-2	21-May-08						0.13J								
SW-2	7-Nov-08						0.13J					0.21J			
SW-2	16-Mar-09														
SW-2	2-Dec-09														
SW-3	18-Nov-04														
SW-3	21-Apr-05														
SW-3	11-Nov-05														
SW-3	14-Apr-06														
SW-3	9-Nov-06														
SW-3	19-Apr-07														
SW-3	9-Nov-07	1.3J			0.9J			0.3J							
SW-3	19-May-08														
SW-3	6-Nov-08											0.25J			
SW-3	16-Mar-09														
SW-3	2-Dec-09	3.66J													
SW-7	7-Nov-08									0.20J	0.72J				
SW-7	16-Mar-09									0.070J	0.29J				
SW-7	2-Dec-09														
SW-8	7-Nov-08										0.12J	0.20J			
SW-8	16-Mar-08														
SW-8	2-Dec-09														

Notes:
All units are in micrograms per liter (parts per billion)
- Concentration exceeds NC Surface Water Standards for Class C Waters
- Indicates result below detection limits
* - Action Level
NE - Standard Not Established
J - Indicates the analytical result is an estimated concentration between the Method Detection Limit and the Solid Waste Section Reporting Limit (SWSL)

Table 4
Statistically Significant Constituents Over Background
North Wake Unlined Landfill

WELL	DECEMBER 2009 PARAMETERS STATISTICALLY OVER BACKGROUND	DECEMBER 2009 PARAMETERS EXCEEDING NC2L STANDARD
MW-11	Designated Shallow Background Well	Chromium, Lead, Vanadium[1]*
MW-11d	Designated Deep Background Well	**Vanadium1***
MW-5R	None	**Vanadium[1]***
MW-6	Cobalt, Benzene	Cobalt, Benzene, Vinyl Chloride
MW-6d	1,1-Dichloroethane	**Vanadium[1]***
MW-7	None	Chromium, **Vanadium[1]*,** Benzene, Vinyl Chloride
MW-8	cis-1,2-Dichloroethene	**Vanadium[1]***
MW-8d	None	**Vanadium[1]***
MW-9	Benzene, cis-1,2-Dichloroethene, p-Dichlorobenzene, 1,1-Dichloroethane, Vinyl Chloride	**Vanadium[1]*,** Benzene, p-Dichlorobenzene, 1,1-Dichloroethane, **1,2-Dichloroethane**, **1,2-Dichloropropane**, Vinyl Chloride
MW-10	Benzene, Trichloroethene, 1,1-Dichloroethane, cis-1,2-Dichloroethene, Tetrachloroethene	**Vanadium[1]*,** Benzene, Trichloroethene, 1,1-Dichloroethane, Tetrachloroethene, **Vinyl Chloride**
MW-10d	None	None
MW-22	Cadmium, Cobalt	Cadmium, **Vanadium[1]***
MW-23	None	**Vanadium[1]***
MW-23d	None	**Vanadium[1]***
MW-24	Chloroform	**Vanadium[1]***
MW-27	ABANDONED	ABANDONED
MW-28	Not Sampled	Not Sampled
MW-28d	Not Sampled	Not Sampled
MW-29d	None	**Vanadium[1]***
MW-30	None	**Chromium*, Vanadium[1]***
MW-31	Chromium	Chromium*, **Vanadium[1]***
MW-31d	Chloroform	**Vanadium[1]***
MW-32	None	None
TB-1a	Chloroform	Cadmium, **Vanadium[1]***
TB-1a deep	Chloroform	Chromium***, Vanadium[1]***
MW-33	Not Sampled	Not Sampled
MW-34	Not Sampled	Not Sampled
MW-34d	Not Sampled	Not Sampled
MW-35	Not Sampled	Not Sampled
MW-36	-	**Vanadium1***, 1,1-Dichloroethane, **Tetrachloroethene**, **Vinyl Chloride**
MW-36d	-	Chromium, **Vanadium1*, Tetrachloroethene,** 1,1-Dichloroethane

Notes:
[1] - Groundwater Protection Standard
* - Indicates that the amount detected in the method blank was greater than the Method Detection Limit
** - Detected but the relative percent difference is greater than 40% between results in the dual column method
Bold - Indicates a J value detection in which the analytical result is an estimated concentration between the Method Detection Limit and the Solid Waste Section Limit (SWSL)
MW-27 was abandoned on November 24, 2008 in accordance with 15A NCAC 2C .0113
Statistical analyses will be performed on samples from MW-36 and MW-36d after four sampling events
MW-33, -34, 34d, and -35 are sampled semi-annually during the spring sampling event

Table 5
Geochemical Data
North Wake Unlined Landfill

Monitor Well	Sample Date	ORP (mV)	pH	Dissolved Oxygen	BOD	COD	Methane (ug/l)	Ethane (ug/l)	Ethene (ug/l)	Chloride	Nitrate	Total Organic Carbon	Alkalinity (CaCO3 - Lab)	Alkalinity (CaCO3 - Field)	Sulfate (Lab)	Sulfate (Field)	Sulfide (Lab)	Free Chlorine	Carbon Dioxide	Ferrous Iron	Acetic Acid	Butyric Acid	Lactic Acid	Propionic Acid	Pyruvic Acid	Dissolved Hydrogen (nM)
MW-11	8-Dec-98	156.2	5.57	6.03						3.5	0.6	2.1	21	40				0.17	50	0.02						0.02
MW-11	18-Dec-00	742	5.69																							
MW-11	18-Apr-01		6.80																							
MW-11	27-Nov-01		5.48																							
MW-11	5-Apr-02		6.19																							
MW-11	5-Nov-02		6.14																							
MW-11	15-Apr-03		6.36																							
MW-11	29-Oct-03		6.47																							
MW-11	21-Apr-04		5.31																							
MW-11	15-May-08	135.8	5.53	6.71																						
MW-11	10-Nov-08	167.0	5.74	6.71	<2	6	<7.2	<20	<20	3.67	0.794	1.42	34		<0.3		<0.01		26	<0.2	<1	<1	<25	<1	<10	
MW-11	11-Mar-09	102.5	5.34	7.16	<2	<25	<7.2	<20	<20	3.38	0.719	0.543	32.2		<0.3		<0.05		158	0.21	<1	<1	<25	<1	<10	
MW-11	3-Dec-09	246.0	5.79	6.38	2.00	92	<7.2	<20	<20	2.92	0.662	0.343J	22.5		0.381		<0.05		53	<0.2	<1	<1	<25	<1	<10	
MW-11d	8-Dec-98	123.0	6.03	4.68						3.0	0.58	0.64	14	60				0.02	30							
MW-11d	18-Dec-00	154	5.26																							
MW-11d	18-Apr-01		6.91																							
MW-11d	27-Nov-01		5.21																							
MW-11d	5-Apr-02		6.97																							
MW-11d	5-Nov-02		6.26																							
MW-11d	15-Apr-03		6.98																							
MW-11d	29-Oct-03		6.87																							
MW-11d	21-Apr-04		5.79																							
MW-11d	15-May-08	87.2	5.95	5.02																						
MW-11d	16-Mar-09	173.6	5.76	5.85																						

Table 5
Geochemical Data
North Wake Unlined Landfill

Monitor Well	Sample Date	ORP (mV)	pH	Dissolved Oxygen	BOD	COD	Methane (ug/l)	Ethane (ug/l)	Ethene (ug/l)	Chloride	Nitrate	Total Organic Carbon	Alkalinity (CaCO3 - Lab)	Alkalinity (CaCO3 - Field)	Sulfate (Lab)	Sulfate (Field)	Sulfide (Lab)	Free Chlorine	Carbon Dioxide	Ferrous Iron	Acetic Acid	Butyric Acid	Lactic Acid	Propionic Acid	Pyruvic Acid	Dissolved Hydrogen (nM)
MW-5	3-Dec-98		5.70							5.6																
MW-5	20-Dec-00	38	5.40				4500			13.4	0.07	2.7							141							
MW-5	16-Apr-01	85	5.20							8.5		8.8			6.8				141	1.07						1.07
MW-5	3-Dec-01	103	5.68				1600			5.2					1.7				79.2							
MW-5	12-Apr-02	43	5.54				2400			3.3					4.1				44	3.7						3.7
MW-5	5-Nov-02	65	5.72				1500			8.7	0.34	1.2			4.7				244							
MW-5	17-Apr-03	-138	6.08	0.79			6600			13		13.7			4.1				9							
MW-5	4-Nov-03	-142	5.60	0.14			3200			19		1474							2055	18.5						18.5
MW-5R	14-Apr-04	-35	6.30	1.92			4040			8.19		13.8			0.444		0.08		286							
MW-5R	21-May-08	95	6.02	0.14	<2	9	709	<100	<100	3.92	0.576	11.1	280		13.3		<0.01		264	<0.2	<1	<1	<25	<1	<10	1.1
MW-5R	10-Nov-08	113	6.07	0.31	<2	10	340	<20	<20	4.66	1.25	1.95	240		6.42		<0.01		211	<0.2	<1	<1	<25	<1	<10	1.6
MW-5R	11-Mar-09	61	5.73	0.31	<2	<25	<7.2	<20	<20	1.6	11.9	1.23	113		6.61		<0.05		141	<0.2	<1	<1	<25	<1	<10	2.1
MW-5R	3-Dec-09	272	5.78	0.99	<2	16	<7.2	<20	<20	1.34	12.6	2.26	61.9		7.29		<0.05		106	<0.2	<1	<1	<25	<1	<10	2.7
MW-6	3-Dec-98		5.71							6.8																
MW-6	19-Dec-00	156	5.54				669			9.12	0.05	5.9							57							
MW-6	16-Apr-01	97	5.05				450			7.5		7.7			0.66				47							
MW-6	3-Dec-01	136	5.88				470			6.4					0.34				30.8							
MW-6	12-Apr-02	174	5.47				800			7.3					0.46				35							
MW-6	5-Nov-02	73	5.58				1500			11	0.36	2.1			0.74				83							
MW-6	17-Apr-03	234	5.79	0.59			2400			12	0.48	10.4			0.47				9							
MW-6	4-Nov-03	41	4.80	0.25			640			110		8.5			1.2				185							
MW-6	14-Apr-04	316	5.76	1.70			1450			190		16.6			2.2				330							
MW-6	20-May-08	115	5.94	2.41	<4	78	2740	<400	<400	185	0.19J	24.4	474		12		<0.01		466	0.22	<1	<1	<25	<1	<10	1.1
MW-6	11-Nov-08	84	6.14	1.36	2	106	1190	<200	<200	231	<0.3	30.2	750		2.51J		<0.01		541	0.59	<1	<1	<25	<1	<10	1.9
MW-6	11-Mar-09	59	5.81	0.46	3	86	1810	<200	<200	166	0.155J	22.3	476		8.4		<0.05		387	1.16	<1	<1	<25	<1	<10	3.9
MW-6	3-Dec-09	90	6.23	1.44	2	72	1560	<200	<200	175	<0.3	19.4	507		8.66		<0.05		326	2.12	<1	<1	<25	<1	<10	2.3

Table 5
Geochemical Data
North Wake Unlined Landfill

Monitor Well	Sample Date	ORP (mV)	pH	Dissolved Oxygen	BOD	COD	Methane (ug/l)	Ethane (ug/l)	Ethene (ug/l)	Chloride	Nitrate	Total Organic Carbon	Alkalinity (CaCO3 - Lab)	Alkalinity (CaCO3 - Field)	Sulfate (Lab)	Sulfate (Field)	Sulfide (Lab)	Free Chlorine	Carbon Dioxide	Ferrous Iron	Acetic Acid	Butyric Acid	Lactic Acid	Propionic Acid	Pyruvic Acid	Dissolved Hydrogen (nM)
MW-8	3-Dec-98		5.75							7.3																
MW-8	20-Dec-00	66	5.42							6.84	0.09	5.9							22							
MW-8	16-Apr-01	54	5.61				17			3.2	0.23	1.3			0.89		0.04		32							
MW-8	3-Dec-01	111	6.40							3					0.61		0.01		39.6							
MW-8	12-Apr-02	51	6.00				42			3.5					0.81				31							
MW-8	5-Nov-02	44	6.05				11			3.4	0.42	0.7			1.1		0.06		29							
MW-8	17-Apr-03	171	6.30	1.70						4	0.33	2.3			1.1				13							
MW-8	4-Nov-03	127	5.15	1.68			22			3.9		0.7			1				44							
MW-8	14-Apr-04	235	5.86	1.58			371			3.82		2.2			0.912				52.8							
MW-8	20-May-08	63	5.83	1.42	<2	<5	631	<20	<20	5.85	0.158J	0.469J	59		5.46		<0.01		97	<0.2	<1	<1	<25	<1	<10	1.1
MW-8	10-Nov-08	55	5.84	0.26	<2	5	654	<20	<20	6.29	0.211J	0.603	60		<0.3		<0.01		101	<0.2	<1	<1	<25	<1	<10	1.4
MW-8	11-Mar-09	27	5.65	0.31	<2	<25	264	<100	<100	6.27	0.119J	0.752	68.7		0.793		<0.05		88	0.78	<1	<1	<25	<1	<10	1.1
MW-8	3-Dec-09	83	6.11	1.28	<2	20	647	<200	<200	6.09	0.256	0.749	63.5		1.07		<0.05		*	0.88	<1	<1	<25	<1	<10	2.1
MW-9	3-Dec-98		6.27							15																
MW-9	20-Dec-00	102	4.79				3340			21.9	0.09	12.3							176							
MW-9	16-Apr-01	64	5.79				790			19	0.24	5.5			0.75				121	1.28						1.28
MW-9	3-Dec-01	21	6.41				2700			24					0.38				123	2.5						2.5
MW-9	12-Apr-02	77	6.11				1200			29					0.32				136	9.8						9.8
MW-9	5-Nov-02	39	6.16				470			24		5.7			0.66				236	1.67						1.67
MW-9	17-Apr-03	-106	6.39	0.25			1900			36		30.3			0.42				44	6.3						6.3
MW-9	4-Nov-03	-110	5.76	0.14			1800			53		14.2			0.46				312	1.48						1.48
MW-9	14-Apr-04	58	6.33	0.81			3500			92.5		13.3			0.386				299.2	ND						ND
MW-9	20-May-08	-97	6.28	1.39	7	10	2980	<400	<400	20.1	<0.3	3.12	254		0.58		<0.01		260	18.3	<1	<1	<25	<1	<10	18.3
MW-9	11-Nov-08	-37	6.18	2.45	7	27	1910	<200	<200	18.9	<0.3	3.36	263		<0.3		<0.01		264	15.4	<1	<1	<25	<1	<10	
MW-9	11-Mar-09	-9	6.03	2.07	<2	46	1730	<200	<200	20.1	<0.3	4.56	262		0.608		<0.05		233	17.6	<1	0.4J	<25	0.4J	<10	
MW-9	3-Dec-09	-7	6.38	1.52	<2	44	1740	<200	<200	20.5	<0.3	2.97	233		4.31		<0.05		167	14.8	<1	<1	<25	<1	<10	

Table 5
Geochemical Data
North Wake Unlined Landfill

Monitor Well	Sample Date	ORP (mV)	pH	Dissolved Oxygen	BOD	COD	Methane (ug/l)	Ethane (ug/l)	Ethene (ug/l)	Chloride	Nitrate	Total Organic Carbon	Alkalinity (CaCO3 - Lab)	Alkalinity (CaCO3 - Field)	Sulfate (Lab)	Sulfate (Field)	Sulfide (Lab)	Free Chlorine	Carbon Dioxide	Ferrous Iron	Acetic Acid	Butyric Acid	Lactic Acid	Propionic Acid	Pyruvic Acid	Dissolved Hydrogen (nM)
MW-10	3-Dec-98		5.85							6.8																
MW-10	20-Dec-00	76	5.27				372			10.6	1.5	3.7							26							
MW-10	17-Apr-01	81	5.24				320			5.4	2.2	5.3			1.2				101							
MW-10	3-Dec-01	146	5.88							4.2	1.6				3				35.2							
MW-10	12-Apr-02	98	5.58				300			4.9					1.7				35							
MW-10	5-Nov-02	74	5.54				770			5.4	2	1.8			2.9		0.03		216							
MW-10	17-Apr-03	240	5.11	0.44			2400			5	1.4	9.2			0.82				13							
MW-10	4-Nov-03	90	4.90	0.16						6.6	1	1.7			0.66				145							
MW-10	14-Apr-04	349	5.83	0.52			341			7.3	1.3	7.8			0.78				123							
MW-10	20-May-08	-14.6	5.61	0.55	3	35	1950	<200	<200	3.77	0.162J	1.12	42		0.617		0.01		229	0.48	<1	<1	<25	<1	<10	0.48
MW-10	11-Nov-08	130.0	5.50	2.76	8	30	5890	<200	<200	3.71	<0.3	1.31	96		<0.3		<0.01		370	1.79	1.4	<1	<25	<1	<10	
MW-10	11-Mar-09	97.8	5.34	2.56	<2	<25	2310	<200	<200	3.04	<0.3	3.07	105		0.649		<0.05		339	1.23	<1	<1	<25	0.3J	<10	
MW-10	3-Dec-09	146.2	6.09	2.17	3	28	3110	<200	<200	2.69	<0.3	1.02	112		0.624		<0.05		286	0.95	<1	<1	<25	<1	<10	
MW-24	8-Dec-98	145.9	5.75	1.02						4.2		2.5	66	140		2		0.07	260	0.78						0.78
MW-24	20-Dec-00	67	5.61				4410			8.25	0.08	2.5							101							
MW-24	16-Apr-01	93	5.20				2500			4.2	0.28	5			0.59				121	1.18						1.18
MW-24	3-Dec-01	103	5.83				2100			2.9									52.8	0.3						0.3
MW-24	12-Apr-02	17	5.59				1800			1.5									92	0.6						0.6
MW-24	5-Nov-02	62	5.76				2200			0.56		1.6			0.48		0.01		171	0.21						0.21
MW-24	17-Apr-03	10	5.79	0.50			88			3.6	0.33	4.4			0.35				33							
MW-24	4-Nov-03	-20	4.92	0.42			17			2.9		1.7			0.46				141							
MW-24	14-Apr-04	178	6.29	2.09			139			2.94		6.2			0.42				88							
MW-24	20-May-08	101	5.84	4.56	4	<5	<7.2	<20	<20	3.6	0.273J	0.421J	39		<0.3		0.03		75	2.72	<1	<1	<25	<1	<10	2.72

Table 5
Geochemical Data
North Wake Unlined Landfill

Monitor Well	Sample Date	ORP (mV)	pH	Dissolved Oxygen	BOD	COD	Methane (ug/l)	Ethane (ug/l)	Ethene (ug/l)	Chloride	Nitrate	Total Organic Carbon	Alkalinity (CaCO3 - Lab)	Alkalinity (CaCO3 - Field)	Sulfate (Lab)	Sulfate (Field)	Sulfide (Lab)	Free Chlorine	Carbon Dioxide	Ferrous Iron	Acetic Acid	Butyric Acid	Lactic Acid	Propionic Acid	Pyruvic Acid	Dissolved Hydrogen (nM)
TB-1a	9-Dec-98	193.8	5.98	0.64						4.1		0.54	95	120		2		0.05	500	0.15						0.15
TB-1a	20-Dec-00	63	5.52				2470			6.6	0.09	3.3							62							
TB-1a	17-Apr-01	78	5.63				1500			5.1	0.29	2.4			0.58		0.1		99							
TB-1a	3-Dec-01	111	6.01							3.1									52.8							
TB-1a	12-Apr-02	42	5.70				990			1.6									84							
TB-1a	5-Nov-02	58	5.83				400			4.2		0.7			0.47				138							
TB-1a	17-Apr-03	163	5.82	0.54			17			6.1	0.79	8.5			0.82		0.03		4							
TB-1a	4-Nov-03	1	5.04	0.16						7.5		1.6			0.46				213							
TB-1a	14-Apr-04	257	5.36	0.94						8.47		4.8			0.577				101.2							
TB-1a	20-May-08	-102	5.94	2.22	<2	<5	<7.2	<20	<20	14.9	0.356	0.864	42		11.6		<0.01		48	0.24	<1	<1	<25	<1	0.9J	0.24
TB-1a	11-Nov-08	65	6.11	4.08	<2	50	5.1J	<20	<20	15.1	0.338	1.13	42		4.08		<0.01		106	1.59	<1	<1	<25	<1	<10	
TB-1a	11-Mar-09	-44	5.91	1.98	<2	<25	<7.2	<20	<20	12.8	0.209J	1.05	53.4		10.5		<0.05		114	3.06	<1	<1	<25	<1	<10	
TB-1a	3-Dec-09	88	6.24	1.97	<2	20	<7.2	<20	<20	12.7	0.456	1.22	61.6		11.9		<0.05		88	4.7	<1	<1	<25	<1	<10	

Notes:

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

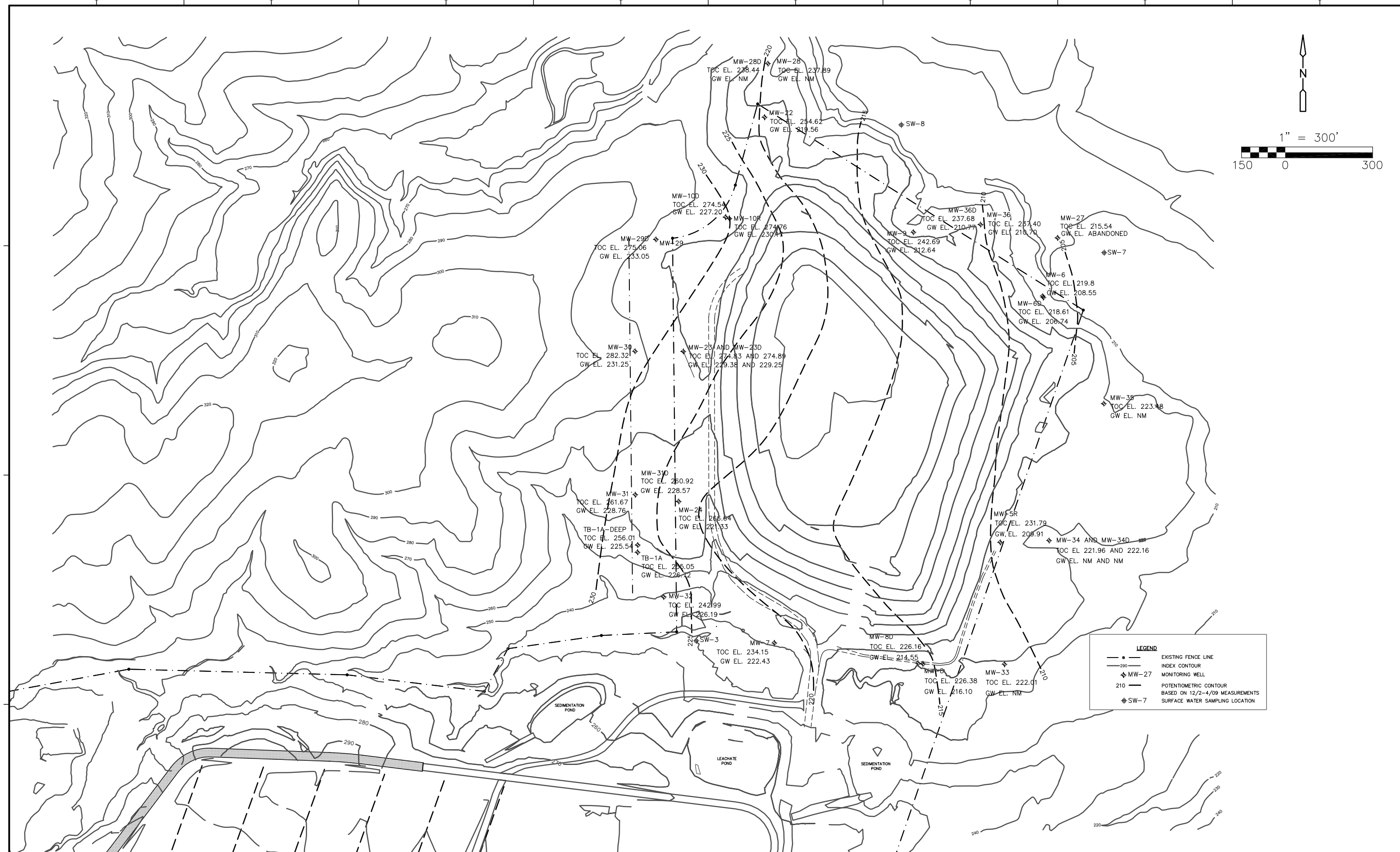
All units are in milligrams per liter (parts per million), unless otherwise noted.

ND - Not Detected

-Blank Cells Indicate No Data Collected

J - Indicates the analytical result is an estimated concentration between the Method Detection Limit and the Solid Waste Section Reporting Limit (SWSL)

* Carbon dioxide samples from MW-8 were not analyzed during the December 2009 sampling event due to laboratory oversight



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: A. WEISPFENNING
DRAWN BY: J. KILLINGSWORTH
SHEET CHK'D BY: M. COLONE
CROSS CHK'D BY:
APPROVED BY:
DATE: DECEMBER 2009

CDM Camp Dresser & McKee
environmental services
silicon valley
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. 6172-74012
FILE NAME: NW-Unld-F-09.dwg

FIGURE
1

SGS

Mr. Mat Colone
Camp, Dresser & McKee
5400 Glenwood Avenue
Suite 300
Raleigh NC 27612
Report Number: G175-728

Client Project: N Wake Closed

Dear Mr. Colone:

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call SGS at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS Environmental Services for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS Environmental Services, Inc.

Lori Lockamy 22 December 2009

Project Manager Date
Lori Lockamy

Case Narrative
CDM
SGS Project: **G175-728**
Project Name: **N wake Closed**

SGS North America; Inc.

December 22nd, 2009

- Thirteen water samples were accepted into the laboratory on December 4th, 2009 at 1340 for analyses as indicated on the chain of custody. The samples were received in good condition, with a temperature of 3.6°C.
- All extractions and analyses were completed within holding time limits, with the following quality control exceptions.

8260-AppII Analysis

- It has come to laboratory's attention that the vendor of our VOA vials, Sci-Spec, discovered solvent contamination in several lots of HCl-preserved vials that were shipped to various distributors. These contaminants are Chloromethane, Bromomethane and Iodomethane. Enclosed is a letter from the vendor describing the situation. We here at SGS have pulled from our inventory any of the targeted lots of vials. Unfortunately, vials were shipped out prior to the discovery of the contamination. Any reported results for these three compounds should be viewed as suspect. Please feel free to contact the laboratory or Sci-Spec directly with any questions or concerns. We deeply regret and apologize for any inconvenience this situation may have incurred.

Craig R Tronzo Date 12/22/09
Craig R Tronzo
Data Validation/QC

SCI SPEC

SCIENTIFIC SPECIALTIES SERVICE, INC.

7201 Standard Drive
Hanover, MD 21076

December 17, 2009

SGS
5500 Business Drive
Wilmington, NC 28405

Dear Customer:

I hope this letter finds you well. Scientific Specialties wants to inform you that some of the vials have come up with contamination in amounts ranging from trace .3ppb into the ppm. We have seen hits of Chloromethane as well as related Bromomethane and Iodomethane. We have extensively researched where this could be originating. We traced the issue back to a batch of HCL that went bad during our preserving of vials.

To solve this problem all of the HCL was disposed of and a new supplier is now being used. New acid was brought in and has been tested. Further investigations are being done to ensure this problem is taken care of. We will replace any vials you have that contain contamination free of charge.

Please do not hesitate to contact me if you have any questions. We will continually strive to earn your confidence, and work hard to make ordering supplies effortless for you.
Thank you.

Sincerely,

Erin McGettigan
Scientific Specialties
PH: 443-561-2217

PHONE: 800.648.7800
LOCAL: 410.712.4400
FAX: 410.712.4401

E-MAIL: sales@scispec.com
WEB: www.scispec.com

Baltimore, MD
Reno, NV

List of Reporting Abbreviations
And Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantification Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

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/CL = Reporting Limit / Control Limit

RPD = Relative Percent Difference

UJ = Target analytes with recoveries that are 10% < %R < LCL; # of MEs are allowable and compounds are not detected in the sample.

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.

MI34.021808.4

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-8d
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-1A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 7:30
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/15/2009	
Acetonitrile	BQL	55.0	2.58	1	12/15/2009	
Acrolein	BQL	53.0	2.93	1	12/15/2009	
Acrylonitrile	BQL	200	2.93	1	12/15/2009	
Allyl chloride	BQL	10.0	0.238	1	12/15/2009	
Benzene	BQL	1.00	0.0650	1	12/15/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/15/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/15/2009	
Bromoform	BQL	3.00	0.120	1	12/15/2009	
Bromomethane	BQL	10.0	0.133	1	12/15/2009	
2-Butanone	BQL	100	0.544	1	12/15/2009	
Carbon disulfide	BQL	100	0.0690	1	12/15/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/15/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/15/2009	
Chloroethane	BQL	10.0	0.106	1	12/15/2009	
Chloroform	**0.360**	5.00	0.0790	1	12/15/2009	J
Chloromethane	BQL	1.00	0.146	1	12/15/2009	
Chloroprene	BQL	20.0	0.292	1	12/15/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/15/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/15/2009	
Dibromomethane	BQL	10.0	0.113	1	12/15/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/15/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/15/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/15/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	12/15/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/15/2009	
1,1-Dichloroethane	**0.140**	5.00	0.0740	1	12/15/2009	J
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/15/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/15/2009	
cis-1,2-Dichloroethene	**0.0800**	5.00	0.0650	1	12/15/2009	J
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/15/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/15/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/15/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/15/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/15/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/15/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/15/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/15/2009	
Ethylbenzene	BQL	1.00	0.0770	1	12/15/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/15/2009	
2-Hexanone	BQL	50.0	0.720	1	12/15/2009	
Isobutanol	BQL	100	17.1	1	12/15/2009	
Iodomethane	BQL	10.0	0.0420	1	12/15/2009	
Methacrylonitrile	BQL	100	4.08	1	12/15/2009	
Methylene chloride	BQL	1.00	0.0980	1	12/15/2009	

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-8d
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-1A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 7:30
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/15/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/15/2009	
Propionitrile	BQL	150	2.67	1	12/15/2009	
Styrene	BQL	1.00	0.0850	1	12/15/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/15/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/15/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	12/15/2009	
Toluene	BQL	1.00	0.0760	1	12/15/2009	
Trichloroethene	BQL	1.00	0.0540	1	12/15/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/15/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/15/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/15/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/15/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/15/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/15/2009	
Total Xylene	BQL	5.00	0.0650	1	12/15/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.5	105
Toluene-d8	10	9.96	100
4-Bromofluorobenzene	10	9.47	95

Comments:

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

Analyst: DVO

Reviewed By: [illegible]

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: EQ Blank
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-2A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 7:40
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/15/2009	
Acetonitrile	BQL	55.0	2.58	1	12/15/2009	
Acrolein	BQL	53.0	2.93	1	12/15/2009	
Acrylonitrile	BQL	200	2.93	1	12/15/2009	
Allyl chloride	BQL	10.0	0.238	1	12/15/2009	
Benzene	BQL	1.00	0.0650	1	12/15/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/15/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/15/2009	
Bromoform	BQL	3.00	0.120	1	12/15/2009	
Bromomethane	**4.51**	10.0	0.133	1	12/15/2009	J
2-Butanone	BQL	100	0.544	1	12/15/2009	
Carbon disulfide	BQL	100	0.0690	1	12/15/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/15/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/15/2009	
Chloroethane	BQL	10.0	0.106	1	12/15/2009	
Chloroform	BQL	5.00	0.0790	1	12/15/2009	
Chloromethane	**507**	1.00	0.146	1	12/15/2009	
Chloroprene	BQL	20.0	0.292	1	12/15/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/15/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/15/2009	
Dibromomethane	BQL	10.0	0.113	1	12/15/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/15/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/15/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/15/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	12/15/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/15/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	12/15/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/15/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/15/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	12/15/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/15/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/15/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/15/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/15/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/15/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/15/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/15/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/15/2009	
Ethylbenzene	BQL	1.00	0.0770	1	12/15/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/15/2009	
2-Hexanone	BQL	50.0	0.720	1	12/15/2009	
Isobutanol	BQL	100	17.1	1	12/15/2009	
Iodomethane	**5.34**	10.0	0.0420	1	12/15/2009	J
Methacrylonitrile	BQL	100	4.08	1	12/15/2009	
Methylene chloride	BQL	1.00	0.0980	1	12/15/2009	

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: EQ Blank
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-2A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 7:40
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/15/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/15/2009	
Propionitrile	BQL	150	2.67	1	12/15/2009	
Styrene	BQL	1.00	0.0850	1	12/15/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/15/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/15/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	12/15/2009	
Toluene	BQL	1.00	0.0760	1	12/15/2009	
Trichloroethene	BQL	1.00	0.0540	1	12/15/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/15/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/15/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/15/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/15/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/15/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/15/2009	
Total Xylene	BQL	5.00	0.0650	1	12/15/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.5	105
Toluene-d8	10	9.85	98
4-Bromofluorobenzene	10	9.71	97

Comments:

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

Analyst: DVO

Reviewed By: [signature]

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-36
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-3A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 9:50
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/15/2009	
Acetonitrile	BQL	55.0	2.58	1	12/15/2009	
Acrolein	BQL	53.0	2.93	1	12/15/2009	
Acrylonitrile	BQL	200	2.93	1	12/15/2009	
Allyl chloride	BQL	10.0	0.238	1	12/15/2009	
Benzene	**0.680**	1.00	0.0650	1	12/15/2009	J
Bromochloromethane	BQL	3.00	0.101	1	12/15/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/15/2009	
Bromoform	BQL	3.00	0.120	1	12/15/2009	
Bromomethane	**1.78**	10.0	0.133	1	12/15/2009	J
2-Butanone	BQL	100	0.544	1	12/15/2009	
Carbon disulfide	BQL	100	0.0690	1	12/15/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/15/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/15/2009	
Chloroethane	**0.800**	10.0	0.106	1	12/15/2009	J
Chloroform	BQL	5.00	0.0790	1	12/15/2009	
Chloromethane	**485**	1.00	0.146	1	12/15/2009	
Chloroprene	BQL	20.0	0.292	1	12/15/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/15/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/15/2009	
Dibromomethane	BQL	10.0	0.113	1	12/15/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/15/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/15/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/15/2009	
p-Dichlorobenzene	**1.40**	1.00	0.0790	1	12/15/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/15/2009	
1,1-Dichloroethane	**18.6**	5.00	0.0740	1	12/15/2009	
1,1-Dichloroethene	**0.330**	5.00	0.0890	1	12/15/2009	J
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/15/2009	
cis-1,2-Dichloroethene	**7.25**	5.00	0.0650	1	12/15/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/15/2009	
1,2-Dichloropropane	**0.270**	1.00	0.0940	1	12/15/2009	J
1,3-Dichloropropane	BQL	1.00	0.127	1	12/15/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/15/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/15/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/15/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/15/2009	
Dichlorodifluoromethane	**1.56**	5.00	0.0940	1	12/15/2009	J
Ethylbenzene	BQL	1.00	0.0770	1	12/15/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/15/2009	
2-Hexanone	BQL	50.0	0.720	1	12/15/2009	
Isobutanol	BQL	100	17.1	1	12/15/2009	
Iodomethane	**3.84**	10.0	0.0420	1	12/15/2009	J
Methacrylonitrile	BQL	100	4.08	1	12/15/2009	
Methylene chloride	**0.460**	1.00	0.0980	1	12/15/2009	J

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-36
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-3A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 9:50
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/15/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/15/2009	
Propionitrile	BQL	150	2.67	1	12/15/2009	
Styrene	BQL	1.00	0.0850	1	12/15/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/15/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/15/2009	
Tetrachloroethene	**0.920**	1.00	0.0690	1	12/15/2009	J
Toluene	BQL	1.00	0.0760	1	12/15/2009	
Trichloroethene	**2.29**	1.00	0.0540	1	12/15/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/15/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/15/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/15/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/15/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/15/2009	
Vinyl chloride	**0.940**	1.00	0.149	1	12/15/2009	J
Total Xylene	BQL	5.00	0.0650	1	12/15/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.9	109
Toluene-d8	10	9.83	98
4-Bromofluorobenzene	10	9.7	97

Comments:

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

Analyst: DVO

Reviewed By: [illegible]

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-22
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-4B
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 10:00
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/16/2009	
Acetonitrile	BQL	55.0	2.58	1	12/16/2009	
Acrolein	BQL	53.0	2.93	1	12/16/2009	
Acrylonitrile	BQL	200	2.93	1	12/16/2009	
Allyl chloride	BQL	10.0	0.238	1	12/16/2009	
Benzene	**0.150**	1.00	0.0650	1	12/16/2009	J
Bromochloromethane	BQL	3.00	0.101	1	12/16/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/16/2009	
Bromoform	BQL	3.00	0.120	1	12/16/2009	
Bromomethane	BQL	10.0	0.133	1	12/16/2009	
2-Butanone	BQL	100	0.544	1	12/16/2009	
Carbon disulfide	BQL	100	0.0690	1	12/16/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/16/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/16/2009	
Chloroethane	BQL	10.0	0.106	1	12/16/2009	
Chloroform	**1.20**	5.00	0.0790	1	12/16/2009	J
Chloromethane	BQL	1.00	0.146	1	12/16/2009	
Chloroprene	BQL	20.0	0.292	1	12/16/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/16/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/16/2009	
Dibromomethane	BQL	10.0	0.113	1	12/16/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/16/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/16/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/16/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	12/16/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/16/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	12/16/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/16/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/16/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	12/16/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/16/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/16/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/16/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/16/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/16/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/16/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/16/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/16/2009	
Ethylbenzene	BQL	1.00	0.0770	1	12/16/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/16/2009	
2-Hexanone	BQL	50.0	0.720	1	12/16/2009	
Isobutanol	BQL	100	17.1	1	12/16/2009	
Iodomethane	BQL	10.0	0.0420	1	12/16/2009	
Methacrylonitrile	BQL	100	4.08	1	12/16/2009	
Methylene chloride	**0.400**	1.00	0.0980	1	12/16/2009	J

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-22
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-4B
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 10:00
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/16/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/16/2009	
Propionitrile	BQL	150	2.67	1	12/16/2009	
Styrene	BQL	1.00	0.0850	1	12/16/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/16/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/16/2009	
Tetrachloroethene	**0.310**	1.00	0.0690	1	12/16/2009	J
Toluene	BQL	1.00	0.0760	1	12/16/2009	
Trichloroethene	BQL	1.00	0.0540	1	12/16/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/16/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/16/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/16/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/16/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/16/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/16/2009	
Total Xylene	BQL	5.00	0.0650	1	12/16/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.9	109
Toluene-d8	10	9.92	99
4-Bromofluorobenzene	10	9.38	94

Comments:

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

Analyst: Dvo

Reviewed By: [illegible]

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-24
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-5A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 10:15
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/16/2009	
Acetonitrile	BQL	55.0	2.58	1	12/16/2009	
Acrolein	BQL	53.0	2.93	1	12/16/2009	
Acrylonitrile	BQL	200	2.93	1	12/16/2009	
Allyl chloride	BQL	10.0	0.238	1	12/16/2009	
Benzene	BQL	1.00	0.0650	1	12/16/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/16/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/16/2009	
Bromoform	BQL	3.00	0.120	1	12/16/2009	
Bromomethane	**1.48**	10.0	0.133	1	12/16/2009	J
2-Butanone	BQL	100	0.544	1	12/16/2009	
Carbon disulfide	BQL	100	0.0690	1	12/16/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/16/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/16/2009	
Chloroethane	BQL	10.0	0.106	1	12/16/2009	
Chloroform	**9.11**	5.00	0.0790	1	12/16/2009	
Chloromethane	**422**	1.00	0.146	1	12/16/2009	
Chloroprene	BQL	20.0	0.292	1	12/16/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/16/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/16/2009	
Dibromomethane	BQL	10.0	0.113	1	12/16/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/16/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/16/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/16/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	12/16/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/16/2009	
1,1-Dichloroethane	**0.200**	5.00	0.0740	1	12/16/2009	J
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/16/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/16/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	12/16/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/16/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/16/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/16/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/16/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/16/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/16/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/16/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/16/2009	
Ethylbenzene	BQL	1.00	0.0770	1	12/16/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/16/2009	
2-Hexanone	BQL	50.0	0.720	1	12/16/2009	
Isobutanol	BQL	100	17.1	1	12/16/2009	
Iodomethane	**2.93**	10.0	0.0420	1	12/16/2009	J
Methacrylonitrile	BQL	100	4.08	1	12/16/2009	
Methylene chloride	BQL	1.00	0.0980	1	12/16/2009	

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-24
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-5A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 10:15
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/16/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/16/2009	
Propionitrile	BQL	150	2.67	1	12/16/2009	
Styrene	BQL	1.00	0.0850	1	12/16/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/16/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/16/2009	
Tetrachloroethene	**0.200**	1.00	0.0690	1	12/16/2009	J
Toluene	BQL	1.00	0.0760	1	12/16/2009	
Trichloroethene	BQL	1.00	0.0540	1	12/16/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/16/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/16/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/16/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/16/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/16/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/16/2009	
Total Xylene	BQL	5.00	0.0650	1	12/16/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.7	107
Toluene-d8	10	9.88	99
4-Bromofluorobenzene	10	9.62	96

Comments:

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

Analyst: DVO

Reviewed By: [illegible]

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-32
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-6A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 10:30
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/16/2009	
Acetonitrile	BQL	55.0	2.58	1	12/16/2009	
Acrolein	BQL	53.0	2.93	1	12/16/2009	
Acrylonitrile	BQL	200	2.93	1	12/16/2009	
Allyl chloride	BQL	10.0	0.238	1	12/16/2009	
Benzene	BQL	1.00	0.0650	1	12/16/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/16/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/16/2009	
Bromoform	BQL	3.00	0.120	1	12/16/2009	
Bromomethane	**1.65**	10.0	0.133	1	12/16/2009	J
2-Butanone	BQL	100	0.544	1	12/16/2009	
Carbon disulfide	BQL	100	0.0690	1	12/16/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/16/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/16/2009	
Chloroethane	BQL	10.0	0.106	1	12/16/2009	
Chloroform	BQL	5.00	0.0790	1	12/16/2009	
Chloromethane	**455**	1.00	0.146	1	12/16/2009	
Chloroprene	BQL	20.0	0.292	1	12/16/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/16/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/16/2009	
Dibromomethane	BQL	10.0	0.113	1	12/16/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/16/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/16/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/16/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	12/16/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/16/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	12/16/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/16/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/16/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	12/16/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/16/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/16/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/16/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/16/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/16/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/16/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/16/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/16/2009	
Ethylbenzene	BQL	1.00	0.0770	1	12/16/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/16/2009	
2-Hexanone	BQL	50.0	0.720	1	12/16/2009	
Isobutanol	BQL	100	17.1	1	12/16/2009	
Iodomethane	**3.23**	10.0	0.0420	1	12/16/2009	J
Methacrylonitrile	BQL	100	4.08	1	12/16/2009	
Methylene chloride	BQL	1.00	0.0980	1	12/16/2009	

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-32
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-6A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 10:30
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/16/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/16/2009	
Propionitrile	BQL	150	2.67	1	12/16/2009	
Styrene	BQL	1.00	0.0850	1	12/16/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/16/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/16/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	12/16/2009	
Toluene	BQL	1.00	0.0760	1	12/16/2009	
Trichloroethene	BQL	1.00	0.0540	1	12/16/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/16/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/16/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/16/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/16/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/16/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/16/2009	
Total Xylene	BQL	5.00	0.0650	1	12/16/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.3	103
Toluene-d8	10	9.97	100
4-Bromofluorobenzene	10	9.67	97

Comments:

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

Analyst: DVO

Reviewed By: [illegible]

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-30
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-7A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 10:40
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	**3.01**	100	2.18	1	12/17/2009	J
Acetonitrile	BQL	55.0	2.58	1	12/17/2009	
Acrolein	BQL	53.0	2.93	1	12/17/2009	
Acrylonitrile	BQL	200	2.93	1	12/17/2009	
Allyl chloride	BQL	10.0	0.238	1	12/17/2009	
Benzene	BQL	1.00	0.0650	1	12/17/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/17/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/17/2009	
Bromoform	BQL	3.00	0.120	1	12/17/2009	
Bromomethane	BQL	10.0	0.133	1	12/17/2009	
2-Butanone	BQL	100	0.544	1	12/17/2009	
Carbon disulfide	BQL	100	0.0690	1	12/17/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/17/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/17/2009	
Chloroethane	BQL	10.0	0.106	1	12/17/2009	
Chloroform	BQL	5.00	0.0790	1	12/17/2009	
Chloromethane	BQL	1.00	0.146	1	12/17/2009	
Chloroprene	BQL	20.0	0.292	1	12/17/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/17/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/17/2009	
Dibromomethane	BQL	10.0	0.113	1	12/17/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/17/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/17/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/17/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	12/17/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/17/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	12/17/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/17/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/17/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	12/17/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/17/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/17/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/17/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/17/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/17/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/17/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/17/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/17/2009	
Ethylbenzene	BQL	1.00	0.0770	1	12/17/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/17/2009	
2-Hexanone	BQL	50.0	0.720	1	12/17/2009	
Isobutanol	BQL	100	17.1	1	12/17/2009	
Iodomethane	BQL	10.0	0.0420	1	12/17/2009	
Methacrylonitrile	BQL	100	4.08	1	12/17/2009	
Methylene chloride	BQL	1.00	0.0980	1	12/17/2009	

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-30
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-7A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 10:40
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/17/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/17/2009	
Propionitrile	BQL	150	2.67	1	12/17/2009	
Styrene	BQL	1.00	0.0850	1	12/17/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/17/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/17/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	12/17/2009	
Toluene	BQL	1.00	0.0760	1	12/17/2009	
Trichloroethene	BQL	1.00	0.0540	1	12/17/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/17/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/17/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/17/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/17/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/17/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/17/2009	
Total Xylene	BQL	5.00	0.0650	1	12/17/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.5	105
Toluene-d8	10	9.94	99
4-Bromofluorobenzene	10	9.42	94

Comments:

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

Analyst: DVO

Reviewed By: [illegible]

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-31
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-8A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 11:00
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/16/2009	
Acetonitrile	BQL	55.0	2.58	1	12/16/2009	
Acrolein	BQL	53.0	2.93	1	12/16/2009	
Acrylonitrile	BQL	200	2.93	1	12/16/2009	
Allyl chloride	BQL	10.0	0.238	1	12/16/2009	
Benzene	BQL	1.00	0.0650	1	12/16/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/16/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/16/2009	
Bromoform	BQL	3.00	0.120	1	12/16/2009	
Bromomethane	BQL	10.0	0.133	1	12/16/2009	
2-Butanone	BQL	100	0.544	1	12/16/2009	
Carbon disulfide	BQL	100	0.0690	1	12/16/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/16/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/16/2009	
Chloroethane	BQL	10.0	0.106	1	12/16/2009	
Chloroform	**4.62**	5.00	0.0790	1	12/16/2009	J
Chloromethane	BQL	1.00	0.146	1	12/16/2009	
Chloroprene	BQL	20.0	0.292	1	12/16/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/16/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/16/2009	
Dibromomethane	BQL	10.0	0.113	1	12/16/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/16/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/16/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/16/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	12/16/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/16/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	12/16/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/16/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/16/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	12/16/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/16/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/16/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/16/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/16/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/16/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/16/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/16/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/16/2009	
Ethylbenzene	BQL	1.00	0.0770	1	12/16/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/16/2009	
2-Hexanone	BQL	50.0	0.720	1	12/16/2009	
Isobutanol	BQL	100	17.1	1	12/16/2009	
Iodomethane	BQL	10.0	0.0420	1	12/16/2009	
Methacrylonitrile	BQL	100	4.08	1	12/16/2009	
Methylene chloride	BQL	1.00	0.0980	1	12/16/2009	

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-31
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-8A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 11:00
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/16/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/16/2009	
Propionitrile	BQL	150	2.67	1	12/16/2009	
Styrene	BQL	1.00	0.0850	1	12/16/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/16/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/16/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	12/16/2009	
Toluene	BQL	1.00	0.0760	1	12/16/2009	
Trichloroethene	BQL	1.00	0.0540	1	12/16/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/16/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/16/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/16/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/16/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/16/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/16/2009	
Total Xylene	BQL	5.00	0.0650	1	12/16/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.8	108
Toluene-d8	10	9.92	99
4-Bromofluorobenzene	10	9.39	94

Comments:

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

Analyst: DVD

Reviewed By: [illegible]

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: TB-1Ad
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-9A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 11:10
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/16/2009	
Acetonitrile	BQL	55.0	2.58	1	12/16/2009	
Acrolein	BQL	53.0	2.93	1	12/16/2009	
Acrylonitrile	BQL	200	2.93	1	12/16/2009	
Allyl chloride	BQL	10.0	0.238	1	12/16/2009	
Benzene	BQL	1.00	0.0650	1	12/16/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/16/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/16/2009	
Bromoform	BQL	3.00	0.120	1	12/16/2009	
Bromomethane	BQL	10.0	0.133	1	12/16/2009	
2-Butanone	BQL	100	0.544	1	12/16/2009	
Carbon disulfide	BQL	100	0.0690	1	12/16/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/16/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/16/2009	
Chloroethane	BQL	10.0	0.106	1	12/16/2009	
Chloroform	**33.9**	5.00	0.0790	1	12/16/2009	
Chloromethane	BQL	1.00	0.146	1	12/16/2009	
Chloroprene	BQL	20.0	0.292	1	12/16/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/16/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/16/2009	
Dibromomethane	BQL	10.0	0.113	1	12/16/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/16/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/16/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/16/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	12/16/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/16/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	12/16/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/16/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/16/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	12/16/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/16/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/16/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/16/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/16/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/16/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/16/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/16/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/16/2009	
Ethylbenzene	BQL	1.00	0.0770	1	12/16/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/16/2009	
2-Hexanone	BQL	50.0	0.720	1	12/16/2009	
Isobutanol	BQL	100	17.1	1	12/16/2009	
Iodomethane	BQL	10.0	0.0420	1	12/16/2009	
Methacrylonitrile	BQL	100	4.08	1	12/16/2009	
Methylene chloride	BQL	1.00	0.0980	1	12/16/2009	

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: TB-1Ad
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-9A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 11:10
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/16/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/16/2009	
Propionitrile	BQL	150	2.67	1	12/16/2009	
Styrene	BQL	1.00	0.0850	1	12/16/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/16/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/16/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	12/16/2009	
Toluene	BQL	1.00	0.0760	1	12/16/2009	
Trichloroethene	BQL	1.00	0.0540	1	12/16/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/16/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/16/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/16/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/16/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/16/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/16/2009	
Total Xylene	BQL	5.00	0.0650	1	12/16/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.3	103
Toluene-d8	10	9.81	98
4-Bromofluorobenzene	10	9.61	96

Comments:

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

Analyst: DVD

Reviewed By: [illegible]

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-10d
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-10A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 11:20
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/17/2009	
Acetonitrile	BQL	55.0	2.58	1	12/17/2009	
Acrolein	BQL	53.0	2.93	1	12/17/2009	
Acrylonitrile	BQL	200	2.93	1	12/17/2009	
Allyl chloride	BQL	10.0	0.238	1	12/17/2009	
Benzene	BQL	1.00	0.0650	1	12/17/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/17/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/17/2009	
Bromoform	BQL	3.00	0.120	1	12/17/2009	
Bromomethane	BQL	10.0	0.133	1	12/17/2009	
2-Butanone	BQL	100	0.544	1	12/17/2009	
Carbon disulfide	BQL	100	0.0690	1	12/17/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/17/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/17/2009	
Chloroethane	BQL	10.0	0.106	1	12/17/2009	
Chloroform	**0.250**	5.00	0.0790	1	12/17/2009	J
Chloromethane	BQL	1.00	0.146	1	12/17/2009	
Chloroprene	BQL	20.0	0.292	1	12/17/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/17/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/17/2009	
Dibromomethane	BQL	10.0	0.113	1	12/17/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/17/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/17/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/17/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	12/17/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/17/2009	
1,1-Dichloroethane	**2.44**	5.00	0.0740	1	12/17/2009	J
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/17/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/17/2009	
cis-1,2-Dichloroethene	**0.270**	5.00	0.0650	1	12/17/2009	J
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/17/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/17/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/17/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/17/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/17/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/17/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/17/2009	
Dichlorodifluoromethane	**0.560**	5.00	0.0940	1	12/17/2009	J
Ethylbenzene	BQL	1.00	0.0770	1	12/17/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/17/2009	
2-Hexanone	BQL	50.0	0.720	1	12/17/2009	
Isobutanol	BQL	100	17.1	1	12/17/2009	
Iodomethane	BQL	10.0	0.0420	1	12/17/2009	
Methacrylonitrile	BQL	100	4.08	1	12/17/2009	
Methylene chloride	**1.06**	1.00	0.0980	1	12/17/2009	

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-10d
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-10A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 11:20
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/17/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/17/2009	
Propionitrile	BQL	150	2.67	1	12/17/2009	
Styrene	BQL	1.00	0.0850	1	12/17/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/17/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/17/2009	
Tetrachloroethene	**0.470**	1.00	0.0690	1	12/17/2009	J
Toluene	BQL	1.00	0.0760	1	12/17/2009	
Trichloroethene	**0.480**	1.00	0.0540	1	12/17/2009	J
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/17/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/17/2009	
Trichlorofluoromethane	**0.290**	1.00	0.111	1	12/17/2009	J
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/17/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/17/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/17/2009	
Total Xylene	BQL	5.00	0.0650	1	12/17/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.5	105
Toluene-d8	10	9.96	100
4-Bromofluorobenzene	10	9.61	96

Comments:

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

Analyst: DVO

Reviewed By: [illegible]

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-23d
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-11A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 11:35
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/17/2009	
Acetonitrile	BQL	55.0	2.58	1	12/17/2009	
Acrolein	BQL	53.0	2.93	1	12/17/2009	
Acrylonitrile	BQL	200	2.93	1	12/17/2009	
Allyl chloride	BQL	10.0	0.238	1	12/17/2009	
Benzene	BQL	1.00	0.0650	1	12/17/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/17/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/17/2009	
Bromoform	BQL	3.00	0.120	1	12/17/2009	
Bromomethane	BQL	10.0	0.133	1	12/17/2009	
2-Butanone	BQL	100	0.544	1	12/17/2009	
Carbon disulfide	BQL	100	0.0690	1	12/17/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/17/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/17/2009	
Chloroethane	BQL	10.0	0.106	1	12/17/2009	
Chloroform	**0.200**	5.00	0.0790	1	12/17/2009	J
Chloromethane	BQL	1.00	0.146	1	12/17/2009	
Chloroprene	BQL	20.0	0.292	1	12/17/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/17/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/17/2009	
Dibromomethane	BQL	10.0	0.113	1	12/17/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/17/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/17/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/17/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	12/17/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/17/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	12/17/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/17/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/17/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	12/17/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/17/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/17/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/17/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/17/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/17/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/17/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/17/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/17/2009	
Ethylbenzene	BQL	1.00	0.0770	1	12/17/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/17/2009	
2-Hexanone	BQL	50.0	0.720	1	12/17/2009	
Isobutanol	BQL	100	17.1	1	12/17/2009	
Iodomethane	BQL	10.0	0.0420	1	12/17/2009	
Methacrylonitrile	BQL	100	4.08	1	12/17/2009	
Methylene chloride	BQL	1.00	0.0980	1	12/17/2009	

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-23d
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-11A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 11:35
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/17/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/17/2009	
Propionitrile	BQL	150	2.67	1	12/17/2009	
Styrene	BQL	1.00	0.0850	1	12/17/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/17/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/17/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	12/17/2009	
Toluene	BQL	1.00	0.0760	1	12/17/2009	
Trichloroethene	BQL	1.00	0.0540	1	12/17/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/17/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/17/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/17/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/17/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/17/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/17/2009	
Total Xylene	BQL	5.00	0.0650	1	12/17/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.2	102
Toluene-d8	10	9.8	98
4-Bromofluorobenzene	10	9.72	97

Comments:

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

Analyst: DVO

Reviewed By: [signature]

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-23
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-12A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 11:45
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/17/2009	
Acetonitrile	BQL	55.0	2.58	1	12/17/2009	
Acrolein	BQL	53.0	2.93	1	12/17/2009	
Acrylonitrile	BQL	200	2.93	1	12/17/2009	
Allyl chloride	BQL	10.0	0.238	1	12/17/2009	
Benzene	BQL	1.00	0.0650	1	12/17/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/17/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/17/2009	
Bromoform	BQL	3.00	0.120	1	12/17/2009	
Bromomethane	BQL	10.0	0.133	1	12/17/2009	
2-Butanone	BQL	100	0.544	1	12/17/2009	
Carbon disulfide	BQL	100	0.0690	1	12/17/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/17/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/17/2009	
Chloroethane	BQL	10.0	0.106	1	12/17/2009	
Chloroform	BQL	5.00	0.0790	1	12/17/2009	
Chloromethane	BQL	1.00	0.146	1	12/17/2009	
Chloroprene	BQL	20.0	0.292	1	12/17/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/17/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/17/2009	
Dibromomethane	BQL	10.0	0.113	1	12/17/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/17/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/17/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/17/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	12/17/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/17/2009	
1,1-Dichloroethane	**0.230**	5.00	0.0740	1	12/17/2009	J
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/17/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/17/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	12/17/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/17/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/17/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/17/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/17/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/17/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/17/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/17/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/17/2009	
Ethylbenzene	BQL	1.00	0.0770	1	12/17/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/17/2009	
2-Hexanone	BQL	50.0	0.720	1	12/17/2009	
Isobutanol	BQL	100	17.1	1	12/17/2009	
Iodomethane	BQL	10.0	0.0420	1	12/17/2009	
Methacrylonitrile	BQL	100	4.08	1	12/17/2009	
Methylene chloride	BQL	1.00	0.0980	1	12/17/2009	

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-23
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-12A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 11:45
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/17/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/17/2009	
Propionitrile	BQL	150	2.67	1	12/17/2009	
Styrene	BQL	1.00	0.0850	1	12/17/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/17/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/17/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	12/17/2009	
Toluene	BQL	1.00	0.0760	1	12/17/2009	
Trichloroethene	BQL	1.00	0.0540	1	12/17/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/17/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/17/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/17/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/17/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/17/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/17/2009	
Total Xylene	BQL	5.00	0.0650	1	12/17/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.6	106
Toluene-d8	10	9.89	99
4-Bromofluorobenzene	10	9.73	97

Comments:

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

Analyst: DVO

Reviewed By: [signature]

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-11d
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-13A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 12:00
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/17/2009	
Acetonitrile	BQL	55.0	2.58	1	12/17/2009	
Acrolein	BQL	53.0	2.93	1	12/17/2009	
Acrylonitrile	BQL	200	2.93	1	12/17/2009	
Allyl chloride	BQL	10.0	0.238	1	12/17/2009	
Benzene	BQL	1.00	0.0650	1	12/17/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/17/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/17/2009	
Bromoform	BQL	3.00	0.120	1	12/17/2009	
Bromomethane	BQL	10.0	0.133	1	12/17/2009	
2-Butanone	BQL	100	0.544	1	12/17/2009	
Carbon disulfide	BQL	100	0.0690	1	12/17/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/17/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/17/2009	
Chloroethane	BQL	10.0	0.106	1	12/17/2009	
Chloroform	**0.290**	5.00	0.0790	1	12/17/2009	J
Chloromethane	BQL	1.00	0.146	1	12/17/2009	
Chloroprene	BQL	20.0	0.292	1	12/17/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/17/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/17/2009	
Dibromomethane	BQL	10.0	0.113	1	12/17/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/17/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/17/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/17/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	12/17/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/17/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	12/17/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/17/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/17/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	12/17/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/17/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/17/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/17/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/17/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/17/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/17/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/17/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/17/2009	
Ethylbenzene	BQL	1.00	0.0770	1	12/17/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/17/2009	
2-Hexanone	BQL	50.0	0.720	1	12/17/2009	
Isobutanol	BQL	100	17.1	1	12/17/2009	
Iodomethane	BQL	10.0	0.0420	1	12/17/2009	
Methacrylonitrile	BQL	100	4.08	1	12/17/2009	
Methylene chloride	BQL	1.00	0.0980	1	12/17/2009	

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-11d
Client Project ID: N Wake Closed
Lab Sample ID: G175-728-13A
Lab Project ID: G175-728

Analyzed By: DVO
Date Collected: 12/4/2009 12:00
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/17/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/17/2009	
Propionitrile	BQL	150	2.67	1	12/17/2009	
Styrene	BQL	1.00	0.0850	1	12/17/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/17/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/17/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	12/17/2009	
Toluene	BQL	1.00	0.0760	1	12/17/2009	
Trichloroethene	BQL	1.00	0.0540	1	12/17/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/17/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/17/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/17/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/17/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/17/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/17/2009	
Total Xylene	BQL	5.00	0.0650	1	12/17/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.7	107
Toluene-d8	10	9.91	99
4-Bromofluorobenzene	10	9.44	94

Comments:

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

Analyst: DVO

Reviewed By: [signature]

Results for Metals

Client Sample ID:	MW-8d	Analyzed By:	PSW
Client Project ID:	N Wake Closed	Date Collected:	12/4/2009 07:30
Lab Sample ID:	G175-728-1	Date Received:	12/4/2009
Lab Project ID:	G175-728	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15681 15713		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/9/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/9/2009	
Barium	**0.0328**	0.100	0.00206	1	MG/L	6010B	12/9/2009	JB
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	12/9/2009	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/9/2009	
Chromium	**0.00801**	0.0100	0.00146	1	MG/L	6010B	12/9/2009	JB
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/9/2009	
Copper	**0.00886**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	JB
Lead	**0.00936**	0.0100	0.00679	1	MG/L	6010B	12/9/2009	JB
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/14/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/9/2009	
Selenium	**0.00449**	0.0100	0.00278	1	MG/L	6010B	12/9/2009	J
Silver	**0.00265**	0.0100	0.000656	1	MG/L	6010B	12/9/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/9/2009	
Vanadium	**0.00448**	0.0250	0.000586	10	MG/L	6020	12/9/2009	JB
Zinc	**0.00664**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	JB

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: NL

METALS.XLS

Results for Metals

Client Sample ID:	EQ Blank	Analyzed By:	PSW
Client Project ID:	N Wake Closed	Date Collected:	12/4/2009 07:40
Lab Sample ID:	G175-728-2	Date Received:	12/4/2009
Lab Project ID:	G175-728	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15681 15713		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/9/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/9/2009	
Barium	**0.0160**	0.100	0.00206	1	MG/L	6010B	12/9/2009	JB
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	12/9/2009	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/9/2009	
Chromium	**0.00378**	0.0100	0.00146	1	MG/L	6010B	12/9/2009	JB
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/9/2009	
Copper	**0.00743**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/9/2009	B
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/14/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/9/2009	
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/9/2009	
Silver	**0.00328**	0.0100	0.000656	1	MG/L	6010B	12/9/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/9/2009	
Vanadium	**0.00171**	0.0250	0.000586	10	MG/L	6020	12/9/2009	JB
Zinc	**0.00421**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	JB

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____

METALS.XLS

Results for Metals

Client Sample ID:	MW-36	Analyzed By:	PSW
Client Project ID:	N Wake Closed	Date Collected:	12/4/2009 09:50
Lab Sample ID:	G175-728-3	Date Received:	12/4/2009
Lab Project ID:	G175-728	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15681 15713		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/9/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/9/2009	
Barium	**0.0711**	0.100	0.00206	1	MG/L	6010B	12/9/2009	JB
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	12/9/2009	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/9/2009	
Chromium	**0.00421**	0.0100	0.00146	1	MG/L	6010B	12/9/2009	JB
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/9/2009	
Copper	**0.00825**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	JB
Lead	**0.00940**	0.0100	0.00679	1	MG/L	6010B	12/9/2009	JB
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/14/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/9/2009	
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/9/2009	
Silver	**0.00278**	0.0100	0.000656	1	MG/L	6010B	12/9/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/9/2009	
Vanadium	**0.00372**	0.0250	0.000586	10	MG/L	6020	12/9/2009	JB
Zinc	**0.00490**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	JB

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:

METALS.XLS

Results for Metals

Client Sample ID:	MW-22	Analyzed By:	PSW
Client Project ID:	N Wake Closed	Date Collected:	12/4/2009 10:00
Lab Sample ID:	G175-728-4	Date Received:	12/4/2009
Lab Project ID:	G175-728	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15681 15713		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/9/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/9/2009	
Barium	**0.0449**	0.100	0.00206	1	MG/L	6010B	12/9/2009	JB
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	12/9/2009	
Cadmium	**0.00405**	0.00100	0.000158	10	MG/L	6020	12/9/2009	
Chromium	**0.00497**	0.0100	0.00146	1	MG/L	6010B	12/9/2009	JB
Cobalt	**0.0221**	0.0100	0.00172	1	MG/L	6010B	12/9/2009	
Copper	**0.00874**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/9/2009	B
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/14/2009	
Nickel	**0.0104**	0.0500	0.00236	1	MG/L	6010B	12/9/2009	J
Selenium	**0.00305**	0.0100	0.00278	1	MG/L	6010B	12/9/2009	J
Silver	**0.00324**	0.0100	0.000656	1	MG/L	6010B	12/9/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/9/2009	
Vanadium	**0.00522**	0.0250	0.000586	10	MG/L	6020	12/9/2009	JB
Zinc	**0.00959**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	JB

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:

METALS.XLS

Results for Metals

Client Sample ID:	MW-24	Analyzed By:	PSW
Client Project ID:	N Wake Closed	Date Collected:	12/4/2009 10:15
Lab Sample ID:	G175-728-5	Date Received:	12/4/2009
Lab Project ID:	G175-728	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15681 15713		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/9/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/9/2009	
Barium	**0.0397**	0.100	0.00206	1	MG/L	6010B	12/9/2009	JB
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	12/9/2009	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/9/2009	
Chromium	**0.00411**	0.0100	0.00146	1	MG/L	6010B	12/9/2009	JB
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/9/2009	
Copper	**0.0149**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	B
Lead	**0.0111**	0.0100	0.00679	1	MG/L	6010B	12/9/2009	B
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/14/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/9/2009	
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/9/2009	
Silver	**0.00352**	0.0100	0.000656	1	MG/L	6010B	12/9/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/9/2009	
Vanadium	**0.00463**	0.0250	0.000586	10	MG/L	6020	12/9/2009	JB
Zinc	**0.0102**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	B

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: WL

METALS.XLS

Results for Metals

Client Sample ID:	MW-32	Analyzed By:	PSW
Client Project ID:	N Wake Closed	Date Collected:	12/4/2009 10:30
Lab Sample ID:	G175-728-6	Date Received:	12/4/2009
Lab Project ID:	G175-728	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15681 15713		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/9/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/9/2009	
Barium	**0.0216**	0.100	0.00206	1	MG/L	6010B	12/9/2009	JB
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	12/9/2009	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/9/2009	
Chromium	**0.00400**	0.0100	0.00146	1	MG/L	6010B	12/9/2009	JB
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/9/2009	
Copper	**0.00841**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/9/2009	B
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/14/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/9/2009	
Selenium	**0.00328**	0.0100	0.00278	1	MG/L	6010B	12/9/2009	J
Silver	**0.00321**	0.0100	0.000656	1	MG/L	6010B	12/9/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/9/2009	
Vanadium	**0.000780**	0.0250	0.000586	10	MG/L	6020	12/9/2009	JB
Zinc	**0.00389**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	JB

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: WL

METALS.XLS

Results for Metals

Client Sample ID:	MW-30	Analyzed By:	PSW
Client Project ID:	N Wake Closed	Date Collected:	12/4/2009 10:40
Lab Sample ID:	G175-728-7	Date Received:	12/4/2009
Lab Project ID:	G175-728	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15681 15713		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/9/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/9/2009	
Barium	**0.0421**	0.100	0.00206	1	MG/L	6010B	12/9/2009	JB
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	12/9/2009	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/9/2009	
Chromium	**0.00758**	0.0100	0.00146	1	MG/L	6010B	12/9/2009	JB
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/9/2009	
Copper	**0.0142**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	B
Lead	**0.0107**	0.0100	0.00679	1	MG/L	6010B	12/9/2009	B
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/14/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/9/2009	
Selenium	**0.00308**	0.0100	0.00278	1	MG/L	6010B	12/9/2009	J
Silver	**0.00247**	0.0100	0.000656	1	MG/L	6010B	12/9/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/9/2009	
Vanadium	**0.00660**	0.0250	0.000586	10	MG/L	6020	12/9/2009	JB
Zinc	**0.0236**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	B

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____

METALS.XLS

Results for Metals

Client Sample ID:	MW-31	Analyzed By:	PSW
Client Project ID:	N Wake Closed	Date Collected:	12/4/2009 11:00
Lab Sample ID:	G175-728-8	Date Received:	12/4/2009
Lab Project ID:	G175-728	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15681 15713		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/9/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/9/2009	
Barium	**0.0384**	0.100	0.00206	1	MG/L	6010B	12/9/2009	JB
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	12/9/2009	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/9/2009	
Chromium	**0.0134**	0.0100	0.00146	1	MG/L	6010B	12/9/2009	B
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/9/2009	
Copper	**0.0145**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	B
Lead	**0.0113**	0.0100	0.00679	1	MG/L	6010B	12/9/2009	B
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/14/2009	
Nickel	**0.00552**	0.0500	0.00236	1	MG/L	6010B	12/9/2009	J
Selenium	**0.00462**	0.0100	0.00278	1	MG/L	6010B	12/9/2009	J
Silver	**0.00291**	0.0100	0.000656	1	MG/L	6010B	12/9/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/9/2009	
Vanadium	**0.0118**	0.0250	0.000586	10	MG/L	6020	12/9/2009	JB
Zinc	**0.0102**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	B

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____

METALS.XLS

Results for Metals

Client Sample ID:	TB-1Ad	Analyzed By:	PSW
Client Project ID:	N Wake Closed	Date Collected:	12/4/2009 11:10
Lab Sample ID:	G175-728-9	Date Received:	12/4/2009
Lab Project ID:	G175-728	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15681 15713		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/9/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/9/2009	
Barium	**0.0301**	0.100	0.00206	1	MG/L	6010B	12/9/2009	JB
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	12/9/2009	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/9/2009	
Chromium	**0.0126**	0.0100	0.00146	1	MG/L	6010B	12/9/2009	B
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/9/2009	
Copper	**0.00935**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/9/2009	B
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/14/2009	
Nickel	**0.00710**	0.0500	0.00236	1	MG/L	6010B	12/9/2009	J
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/9/2009	
Silver	**0.00305**	0.0100	0.000656	1	MG/L	6010B	12/9/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/9/2009	
Vanadium	**0.00421**	0.0250	0.000586	10	MG/L	6020	12/9/2009	JB
Zinc	**0.0779**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	B

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: LNV

METALS.XLS

Results for Metals

Client Sample ID:	MW-10d	Analyzed By:	PSW
Client Project ID:	N Wake Closed	Date Collected:	12/4/2009 11:20
Lab Sample ID:	G175-728-10	Date Received:	12/4/2009
Lab Project ID:	G175-728	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15681 15713		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/9/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/9/2009	
Barium	**0.0196**	0.100	0.00206	1	MG/L	6010B	12/9/2009	JB
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	12/9/2009	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/9/2009	
Chromium	**0.00378**	0.0100	0.00146	1	MG/L	6010B	12/9/2009	JB
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/9/2009	
Copper	**0.00817**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/9/2009	B
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/14/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/9/2009	
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/9/2009	
Silver	**0.00267**	0.0100	0.000656	1	MG/L	6010B	12/9/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/9/2009	
Vanadium	**0.00208**	0.0250	0.000586	10	MG/L	6020	12/9/2009	JB
Zinc	**0.00577**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	JB

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
METALS.XLS

Results for Metals

Client Sample ID:	MW-23d	Analyzed By:	PSW
Client Project ID:	N Wake Closed	Date Collected:	12/4/2009 11:35
Lab Sample ID:	G175-728-11	Date Received:	12/4/2009
Lab Project ID:	G175-728	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15681 15713		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/9/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/9/2009	
Barium	**0.0501**	0.100	0.00206	1	MG/L	6010B	12/9/2009	JB
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	12/9/2009	
Cadmium	**0.000170**	0.00100	0.000158	10	MG/L	6020	12/9/2009	J
Chromium	**0.00498**	0.0100	0.00146	1	MG/L	6010B	12/9/2009	JB
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/9/2009	
Copper	**0.00853**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	JB
Lead	**0.0107**	0.0100	0.00679	1	MG/L	6010B	12/9/2009	B
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/14/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/9/2009	
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/9/2009	
Silver	**0.00277**	0.0100	0.000656	1	MG/L	6010B	12/9/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/9/2009	
Vanadium	**0.00717**	0.0250	0.000586	10	MG/L	6020	12/9/2009	JB
Zinc	**0.0112**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	B

Comments

BQL = Below Quantitation Limits
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B= Amount in Prep Blank > MDL

Reviewed By:

METALS.XLS

Results for Metals

Client Sample ID:	MW-23	Analyzed By:	PSW
Client Project ID:	N Wake Closed	Date Collected:	12/4/2009 11:45
Lab Sample ID:	G175-728-12	Date Received:	12/4/2009
Lab Project ID:	G175-728	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15681 15713		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/9/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/9/2009	
Barium	**0.0486**	0.100	0.00206	1	MG/L	6010B	12/9/2009	JB
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	12/9/2009	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/9/2009	
Chromium	**0.00433**	0.0100	0.00146	1	MG/L	6010B	12/9/2009	JB
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/9/2009	
Copper	**0.0122**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	B
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/9/2009	B
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/14/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/9/2009	
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/9/2009	
Silver	**0.00302**	0.0100	0.000656	1	MG/L	6010B	12/9/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/9/2009	
Vanadium	**0.00357**	0.0250	0.000586	10	MG/L	6020	12/9/2009	JB
Zinc	**0.00688**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	JB

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: WL

METALS.XLS

Results for Metals

Client Sample ID:	MW-11d	Analyzed By:	PSW
Client Project ID:	N Wake Closed	Date Collected:	12/4/2009 12:00
Lab Sample ID:	G175-728-13	Date Received:	12/4/2009
Lab Project ID:	G175-728	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15681 15713		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/9/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/9/2009	
Barium	**0.0614**	0.100	0.00206	1	MG/L	6010B	12/9/2009	JB
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	12/9/2009	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/9/2009	
Chromium	**0.00541**	0.0100	0.00146	1	MG/L	6010B	12/9/2009	JB
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/9/2009	
Copper	**0.00820**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/9/2009	B
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/14/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/9/2009	
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/9/2009	
Silver	**0.00316**	0.0100	0.000656	1	MG/L	6010B	12/9/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/9/2009	
Vanadium	**0.00728**	0.0250	0.000586	10	MG/L	6020	12/9/2009	JB
Zinc	**0.00885**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	JB

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: [signature]

METALS.XLS

Results for Metals

Client Sample ID:	Lab Blank			Analyzed By:	PSW
Client Project ID:				Date Collected:	
Lab Sample ID:	pb15681			Date Received:	
Lab Project ID:				Matrix:	WATER
ICP InitWt/Vol:	50 mL	Final Vol:	50 mL		
Hg InitWt/Vol:		Final Vol:			
Prep Batch:	15681				

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/9/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/9/2009	
Barium	**0.0159**	0.100	0.00206	1	MG/L	6010B	12/9/2009	J
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	12/9/2009	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/9/2009	
Chromium	**0.00346**	0.0100	0.00146	1	MG/L	6010B	12/9/2009	J
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/9/2009	
Copper	**0.00860**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	J
Lead	**0.00738**	0.0100	0.00679	1	MG/L	6010B	12/9/2009	J
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/9/2009	
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/9/2009	
Silver	**0.00325**	0.0100	0.000656	1	MG/L	6010B	12/9/2009	J
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/9/2009	
Vanadium	**0.00141**	0.0250	0.000586	10	MG/L	6020	12/9/2009	J
Zinc	**0.00525**	0.0100	0.00129	1	MG/L	6010B	12/9/2009	J

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: hll

METALS.XLS

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Locations Nationwide
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- New Jersey
- North Carolina
- West Virginia
- Maryland
- New York
- Ohio

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(1)

CLIENT: CDM

CONTACT: Mary Colone PHONE NO: 919-325-3500

PROJECT: N Wake Closed SITE/PWSID#:

REPORTS TO: Mary Colone EMAIL: on file

INVOICE TO: Aaron Weisperning QUOTE #: P.O. #:

SGS Reference #: G175-728

page 1 of 2

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/ MATRIX CODE	# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples	App II VOCs	App I Metals + Hg								REMARKS/ LOC ID
						Preservatives Used	HCl	HNO_3								
						Analysis Required (3)										
✓	MW-8d	12/4/09	730	W	4	G	3	1								-Report results according
✓	EQ Blank	12/4/09	740	W	4	G	3	1								to solid waste SQL limits
✓	MW-36	12/4/09	950	W	4	G	3	1								- Report "J" values
✓	MW-22	12/4/09	1000	W	4	G	3	1								- Provide edd in swer format
✓	MW-24	12/4/09	1015	W	4	G	3	1								
✓	MW-32	12/4/09	1030	W	4	G	3	1								
✓	MW-30	12/4/09	1040	W	4	G	3	1								
✓	MW-31	12/4/09	1100	W	4	G	3	1								
✓	TB-1A	12/4/09	1110	W	4	G	3	1								
✓	MW-10d	12/4/09	1120	W	4	G	3	1								

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
[signature]	12/4/09	1315	[signature] 12/4/09 13:15
Relinquished By: (2) [signature]	12/4/09	13:40	Received By: [signature]
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received For Laboratory By:

(4)

DOD Project? YES NO

Cooler ID

Special Deliverable Requirements:

Requested Turnaround Time and-or Special Instructions:

Standard turnaround

Samples Received Cold? (YES) NO

Temperature°C: Cooler 3.6 . TB

Chain of Custody Seal: (Circle)

INTACT BROKEN (ABSENT)

❑ 200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
❑ 550 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

http://www.sgs.com/terms and conditions.htm

White - Retained by Lab
Pink - Retained by Client

SGS North America, Inc.

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CHAIN OF CUSTODY RECORD

Locations Nationwide
- Alaska
- New Jersey
- North Carolina
- West Virginia
- Maryland
- New York
- Ohio

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(1)

CLIENT: CDM

CONTACT: Mat Colone PHONE NO: 919-325-3500

PROJECT: N Wake Closed SITE/PWSID#:

REPORTS TO: Mat Colone EMAIL: on file

INVOICE TO: Aaron Weispfenning QUOTE #: P.O. #:

SGS Reference #: G175-78

page 2 of 2

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/ MATRIX CODE	# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples	Preservatives Used: HCl	HNO3								REMARKS/ LOC ID
						Analysis Required (3)	App II VOC's	App I Metals + Hg								
	MW-23d	12/4/09	1135	W	4	G	3	1								-report results according to solid waste section limits
	MW-23	12/4/09	1145	W	4	G	3	1								-Report "J" values
	MW-11d	12/4/09	1200	W	4	G	3	1								-Provide edd in SWS format

(5)

Collected/Relinquished By: (1)	Date	Time	Received By:
[signature]	12/4/09	1315	[signature] 12/4/09 13:15
Relinquished By: (2) [signature]	Date 12/4/09	Time 13:40	Received By: [signature]
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received For Laboratory By:

(4)

DOD Project? YES NO

Cooler ID

Special Deliverable Requirements:

Requested Turnaround Time and-or Special Instructions:

Standard turnaround

Samples Received Cold? (YES) NO

Temperature °C: Cooler 3.6 . TB

Chain of Custody Seal: (Circle) INTACT BROKEN (ABSENT)

❑ 200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
❑ 550 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

http://www.sgs.com/terms and conditions.htm

Whi
Pin

SGS NORTH AMERICA, INC.

Mat Colone
Camp, Dresser & McKee
5400 Glenwood Avenue
Raleigh, NC 27612

Report Number: G175-726

Client Project: N Wake Closed

Dear Mat Colone,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Lori Lockamy at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America, Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America, Inc.

Project Manager
Lori Lockamy

13 January 2010
Date

REVISED.

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Member of SGS

CASE NARRATIVE

CDM

Project: N Wake Closed

SGS Laboratory Number: G175-726

December 29, 2009

Seventeen water samples and a trip blank were received at the laboratory on December 4, 2009 at 0845 for analyses as indicated on the chain of custody. The samples arrived in good condition, with a temperature range of 2.0-2.9°C.

All extractions and analyses were completed within holding time limits, with the following quality control exceptions.

8260 Analysis

- The associated trip blank resulted in concentrations of Methylene Chloride and Toluene below the reporting limit, but above the method detection limit. These compounds were also detected in select samples at similar concentrations. These compounds are common laboratory solvents and the detections may be due to the background concentrations found in the trip blank.
- Due to a laboratory oversight, Carbon Dioxide was not analyzed for sample MW-8 and has been omitted from the report.

Data Validation _____ Date 29DEC09

List of Reporting Abbreviations And Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantification Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

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/CL = Reporting Limit / Control Limit

RPD = Relative Percent Difference

UJ = Target analytes with recoveries that are 10% < %R < LCL; # of MEs are allowable and compounds are not detected in the sample.

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.

MI34.021808.4

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-31d
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-1A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/2/2009 9:55
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/13/2009	
Acetonitrile	BQL	55.0	2.58	1	12/13/2009	
Acrolein	BQL	53.0	2.93	1	12/13/2009	
Acrylonitrile	BQL	200	2.93	1	12/13/2009	
Allyl chloride	BQL	10.0	0.238	1	12/13/2009	
Benzene	BQL	1.00	0.0650	1	12/13/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/13/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/13/2009	
Bromoform	BQL	3.00	0.120	1	12/13/2009	
Bromomethane	BQL	10.0	0.133	1	12/13/2009	
2-Butanone	BQL	100	0.544	1	12/13/2009	
Carbon disulfide	BQL	100	0.0690	1	12/13/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/13/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/13/2009	
Chloroethane	BQL	10.0	0.106	1	12/13/2009	
Chloroform	**20.0**	5.00	0.0790	1	12/13/2009	
Chloromethane	BQL	1.00	0.146	1	12/13/2009	
Chloroprene	BQL	20.0	0.292	1	12/13/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/13/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/13/2009	
Dibromomethane	BQL	10.0	0.113	1	12/13/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/13/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/13/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/13/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	12/13/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/13/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	12/13/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/13/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/13/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	12/13/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/13/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/13/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/13/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/13/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/13/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/13/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/13/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/13/2009	
Ethylbenzene	BQL	1.00	0.0770	1	12/13/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/13/2009	
2-Hexanone	BQL	50.0	0.720	1	12/13/2009	
Isobutanol	BQL	100	17.1	1	12/13/2009	
Iodomethane	BQL	10.0	0.0420	1	12/13/2009	
Methacrylonitrile	BQL	100	4.08	1	12/13/2009	
Methylene chloride	BQL	1.00	0.0980	1	12/13/2009	

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-31d
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-1A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/2/2009 9:55
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/13/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/13/2009	
Propionitrile	BQL	150	2.67	1	12/13/2009	
Styrene	BQL	1.00	0.0850	1	12/13/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/13/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/13/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	12/13/2009	
Toluene	BQL	1.00	0.0760	1	12/13/2009	
Trichloroethene	BQL	1.00	0.0540	1	12/13/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/13/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/13/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/13/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/13/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/13/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/13/2009	
Total Xylene	BQL	5.00	0.0650	1	12/13/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.5	105
Toluene-d8	10	9.89	99
4-Bromofluorobenzene	10	9.44	94

Comments:

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

Analyst: DVO

Reviewed By: [illegible]

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-29d
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-2A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/2/2009 11:20
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/13/2009	
Acetonitrile	BQL	55.0	2.58	1	12/13/2009	
Acrolein	BQL	53.0	2.93	1	12/13/2009	
Acrylonitrile	BQL	200	2.93	1	12/13/2009	
Allyl chloride	BQL	10.0	0.238	1	12/13/2009	
Benzene	BQL	1.00	0.0650	1	12/13/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/13/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/13/2009	
Bromoform	BQL	3.00	0.120	1	12/13/2009	
Bromomethane	BQL	10.0	0.133	1	12/13/2009	
2-Butanone	BQL	100	0.544	1	12/13/2009	
Carbon disulfide	BQL	100	0.0690	1	12/13/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/13/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/13/2009	
Chloroethane	BQL	10.0	0.106	1	12/13/2009	
Chloroform	**0.150**	5.00	0.0790	1	12/13/2009	J
Chloromethane	BQL	1.00	0.146	1	12/13/2009	
Chloroprene	BQL	20.0	0.292	1	12/13/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/13/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/13/2009	
Dibromomethane	BQL	10.0	0.113	1	12/13/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/13/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/13/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/13/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	12/13/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/13/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	12/13/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/13/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/13/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	12/13/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/13/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/13/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/13/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/13/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/13/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/13/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/13/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/13/2009	
Ethylbenzene	BQL	1.00	0.0770	1	12/13/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/13/2009	
2-Hexanone	BQL	50.0	0.720	1	12/13/2009	
Isobutanol	BQL	100	17.1	1	12/13/2009	
Iodomethane	BQL	10.0	0.0420	1	12/13/2009	
Methacrylonitrile	BQL	100	4.08	1	12/13/2009	
Methylene chloride	BQL	1.00	0.0980	1	12/13/2009	

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-29d
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-2A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/2/2009 11:20
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/13/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/13/2009	
Propionitrile	BQL	150	2.67	1	12/13/2009	
Styrene	BQL	1.00	0.0850	1	12/13/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/13/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/13/2009	
Tetrachloroethene	**0.210**	1.00	0.0690	1	12/13/2009	J
Toluene	BQL	1.00	0.0760	1	12/13/2009	
Trichloroethene	BQL	1.00	0.0540	1	12/13/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/13/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/13/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/13/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/13/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/13/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/13/2009	
Total Xylene	BQL	5.00	0.0650	1	12/13/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.7	107
Toluene-d8	10	9.84	98
4-Bromofluorobenzene	10	9.6	96

Comments:

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

Analyst: DVO

Reviewed By: [illegible]

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-36d
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-3A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/2/2009 12:50
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/13/2009	
Acetonitrile	BQL	55.0	2.58	1	12/13/2009	
Acrolein	BQL	53.0	2.93	1	12/13/2009	
Acrylonitrile	BQL	200	2.93	1	12/13/2009	
Allyl chloride	BQL	10.0	0.238	1	12/13/2009	
Benzene	**0.470**	1.00	0.0650	1	12/13/2009	J
Bromochloromethane	BQL	3.00	0.101	1	12/13/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/13/2009	
Bromoform	BQL	3.00	0.120	1	12/13/2009	
Bromomethane	BQL	10.0	0.133	1	12/13/2009	
2-Butanone	BQL	100	0.544	1	12/13/2009	
Carbon disulfide	BQL	100	0.0690	1	12/13/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/13/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/13/2009	
Chloroethane	BQL	10.0	0.106	1	12/13/2009	
Chloroform	**0.400**	5.00	0.0790	1	12/13/2009	J
Chloromethane	BQL	1.00	0.146	1	12/13/2009	
Chloroprene	BQL	20.0	0.292	1	12/13/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/13/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/13/2009	
Dibromomethane	BQL	10.0	0.113	1	12/13/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/13/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/13/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/13/2009	
p-Dichlorobenzene	**0.440**	1.00	0.0790	1	12/13/2009	J
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/13/2009	
1,1-Dichloroethane	**10.7**	5.00	0.0740	1	12/13/2009	
1,1-Dichloroethene	**0.240**	5.00	0.0890	1	12/13/2009	J
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/13/2009	
cis-1,2-Dichloroethene	**4.20**	5.00	0.0650	1	12/13/2009	J
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/13/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/13/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/13/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/13/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/13/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/13/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/13/2009	
Dichlorodifluoromethane	**1.71**	5.00	0.0940	1	12/13/2009	J
Ethylbenzene	BQL	1.00	0.0770	1	12/13/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/13/2009	
2-Hexanone	BQL	50.0	0.720	1	12/13/2009	
Isobutanol	BQL	100	17.1	1	12/13/2009	
Iodomethane	BQL	10.0	0.0420	1	12/13/2009	
Methacrylonitrile	BQL	100	4.08	1	12/13/2009	
Methylene chloride	**1.32**	1.00	0.0980	1	12/13/2009	

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-36d
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-3A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/2/2009 12:50
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/13/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/13/2009	
Propionitrile	BQL	150	2.67	1	12/13/2009	
Styrene	BQL	1.00	0.0850	1	12/13/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/13/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/13/2009	
Tetrachloroethene	**0.910**	1.00	0.0690	1	12/13/2009	J
Toluene	BQL	1.00	0.0760	1	12/13/2009	
Trichloroethene	**1.64**	1.00	0.0540	1	12/13/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/13/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/13/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/13/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/13/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/13/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/13/2009	
Total Xylene	BQL	5.00	0.0650	1	12/13/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.5	105
Toluene-d8	10	9.83	98
4-Bromofluorobenzene	10	9.47	95

Comments:

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

Analyst: DVO

Reviewed By: [illegible]

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: SW-3
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-4A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/2/2009 14:10
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	**3.66**	100	2.18	1	12/13/2009	J
Acetonitrile	BQL	55.0	2.58	1	12/13/2009	
Acrolein	BQL	53.0	2.93	1	12/13/2009	
Acrylonitrile	BQL	200	2.93	1	12/13/2009	
Allyl chloride	BQL	10.0	0.238	1	12/13/2009	
Benzene	BQL	1.00	0.0650	1	12/13/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/13/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/13/2009	
Bromoform	BQL	3.00	0.120	1	12/13/2009	
Bromomethane	BQL	10.0	0.133	1	12/13/2009	
2-Butanone	BQL	100	0.544	1	12/13/2009	
Carbon disulfide	BQL	100	0.0690	1	12/13/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/13/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/13/2009	
Chloroethane	BQL	10.0	0.106	1	12/13/2009	
Chloroform	BQL	5.00	0.0790	1	12/13/2009	
Chloromethane	BQL	1.00	0.146	1	12/13/2009	
Chloroprene	BQL	20.0	0.292	1	12/13/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/13/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/13/2009	
Dibromomethane	BQL	10.0	0.113	1	12/13/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/13/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/13/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/13/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	12/13/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/13/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	12/13/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/13/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/13/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	12/13/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/13/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/13/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/13/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/13/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/13/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/13/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/13/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/13/2009	
Ethylbenzene	BQL	1.00	0.0770	1	12/13/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/13/2009	
2-Hexanone	BQL	50.0	0.720	1	12/13/2009	
Isobutanol	BQL	100	17.1	1	12/13/2009	
Iodomethane	BQL	10.0	0.0420	1	12/13/2009	
Methacrylonitrile	BQL	100	4.08	1	12/13/2009	
Methylene chloride	BQL	1.00	0.0980	1	12/13/2009	

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: SW-3
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-4A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/2/2009 14:10
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/13/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/13/2009	
Propionitrile	BQL	150	2.67	1	12/13/2009	
Styrene	BQL	1.00	0.0850	1	12/13/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/13/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/13/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	12/13/2009	
Toluene	BQL	1.00	0.0760	1	12/13/2009	
Trichloroethene	BQL	1.00	0.0540	1	12/13/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/13/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/13/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/13/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/13/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/13/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/13/2009	
Total Xylene	BQL	5.00	0.0650	1	12/13/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.4	104
Toluene-d8	10	9.91	99
4-Bromofluorobenzene	10	9.71	97

Comments:

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

Analyst: DVO

Reviewed By: [illegible]

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: SW-8
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-5A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/2/2009 14:30
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/13/2009	
Acetonitrile	BQL	55.0	2.58	1	12/13/2009	
Acrolein	BQL	53.0	2.93	1	12/13/2009	
Acrylonitrile	BQL	200	2.93	1	12/13/2009	
Allyl chloride	BQL	10.0	0.238	1	12/13/2009	
Benzene	BQL	1.00	0.0650	1	12/13/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/13/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/13/2009	
Bromoform	BQL	3.00	0.120	1	12/13/2009	
Bromomethane	BQL	10.0	0.133	1	12/13/2009	
2-Butanone	BQL	100	0.544	1	12/13/2009	
Carbon disulfide	BQL	100	0.0690	1	12/13/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/13/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/13/2009	
Chloroethane	BQL	10.0	0.106	1	12/13/2009	
Chloroform	BQL	5.00	0.0790	1	12/13/2009	
Chloromethane	BQL	1.00	0.146	1	12/13/2009	
Chloroprene	BQL	20.0	0.292	1	12/13/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/13/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/13/2009	
Dibromomethane	BQL	10.0	0.113	1	12/13/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/13/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/13/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/13/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	12/13/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/13/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	12/13/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/13/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/13/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	12/13/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/13/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/13/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/13/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/13/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/13/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/13/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/13/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/13/2009	
Ethylbenzene	BQL	1.00	0.0770	1	12/13/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/13/2009	
2-Hexanone	BQL	50.0	0.720	1	12/13/2009	
Isobutanol	BQL	100	17.1	1	12/13/2009	
Iodomethane	BQL	10.0	0.0420	1	12/13/2009	
Methacrylonitrile	BQL	100	4.08	1	12/13/2009	
Methylene chloride	BQL	1.00	0.0980	1	12/13/2009	

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: SW-8
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-5A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/2/2009 14:30
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/13/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/13/2009	
Propionitrile	BQL	150	2.67	1	12/13/2009	
Styrene	BQL	1.00	0.0850	1	12/13/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/13/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/13/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	12/13/2009	
Toluene	BQL	1.00	0.0760	1	12/13/2009	
Trichloroethene	BQL	1.00	0.0540	1	12/13/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/13/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/13/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/13/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/13/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/13/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/13/2009	
Total Xylene	BQL	5.00	0.0650	1	12/13/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.8	108
Toluene-d8	10	9.87	99
4-Bromofluorobenzene	10	9.6	96

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: WL for DVO

Reviewed By: [illegible]

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-14
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-6A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/2/2009 14:45
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/13/2009	
Acetonitrile	BQL	55.0	2.58	1	12/13/2009	
Acrolein	BQL	53.0	2.93	1	12/13/2009	
Acrylonitrile	BQL	200	2.93	1	12/13/2009	
Allyl chloride	BQL	10.0	0.238	1	12/13/2009	
Benzene	**1.38**	1.00	0.0650	1	12/13/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/13/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/13/2009	
Bromoform	BQL	3.00	0.120	1	12/13/2009	
Bromomethane	BQL	10.0	0.133	1	12/13/2009	
2-Butanone	BQL	100	0.544	1	12/13/2009	
Carbon disulfide	BQL	100	0.0690	1	12/13/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/13/2009	
Chlorobenzene	**0.220**	3.00	0.0820	1	12/13/2009	J
Chloroethane	**0.590**	10.0	0.106	1	12/13/2009	J
Chloroform	BQL	5.00	0.0790	1	12/13/2009	
Chloromethane	BQL	1.00	0.146	1	12/13/2009	
Chloroprene	BQL	20.0	0.292	1	12/13/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/13/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/13/2009	
Dibromomethane	BQL	10.0	0.113	1	12/13/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/13/2009	
o-Dichlorobenzene	**0.230**	5.00	0.127	1	12/13/2009	J
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/13/2009	
p-Dichlorobenzene	**1.11**	1.00	0.0790	1	12/13/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/13/2009	
1,1-Dichloroethane	**0.290**	5.00	0.0740	1	12/13/2009	J
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/13/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/13/2009	
cis-1,2-Dichloroethene	**2.34**	5.00	0.0650	1	12/13/2009	J
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/13/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/13/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/13/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/13/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/13/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/13/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/13/2009	
Dichlorodifluoromethane	**0.760**	5.00	0.0940	1	12/13/2009	J
Ethylbenzene	BQL	1.00	0.0770	1	12/13/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/13/2009	
2-Hexanone	BQL	50.0	0.720	1	12/13/2009	
Isobutanol	BQL	100	17.1	1	12/13/2009	
Iodomethane	BQL	10.0	0.0420	1	12/13/2009	
Methacrylonitrile	BQL	100	4.08	1	12/13/2009	
Methylene chloride	BQL	1.00	0.0980	1	12/13/2009	

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-14
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-6A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/2/2009 14:45
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/13/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/13/2009	
Propionitrile	BQL	150	2.67	1	12/13/2009	
Styrene	BQL	1.00	0.0850	1	12/13/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/13/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/13/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	12/13/2009	
Toluene	**0.320**	1.00	0.0760	1	12/13/2009	J
Trichloroethene	BQL	1.00	0.0540	1	12/13/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/13/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/13/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/13/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/13/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/13/2009	
Vinyl chloride	**1.93**	1.00	0.149	1	12/13/2009	
Total Xylene	**0.450**	5.00	0.0650	1	12/13/2009	J

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.4	104
Toluene-d8	10	9.91	99
4-Bromofluorobenzene	10	9.89	99

Comments:

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

Analyst: DVO

Reviewed By: [illegible]

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: SW-2
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-7A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/2/2009 15:00
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/13/2009	
Acetonitrile	BQL	55.0	2.58	1	12/13/2009	
Acrolein	BQL	53.0	2.93	1	12/13/2009	
Acrylonitrile	BQL	200	2.93	1	12/13/2009	
Allyl chloride	BQL	10.0	0.238	1	12/13/2009	
Benzene	BQL	1.00	0.0650	1	12/13/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/13/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/13/2009	
Bromoform	BQL	3.00	0.120	1	12/13/2009	
Bromomethane	BQL	10.0	0.133	1	12/13/2009	
2-Butanone	BQL	100	0.544	1	12/13/2009	
Carbon disulfide	BQL	100	0.0690	1	12/13/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/13/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/13/2009	
Chloroethane	BQL	10.0	0.106	1	12/13/2009	
Chloroform	BQL	5.00	0.0790	1	12/13/2009	
Chloromethane	BQL	1.00	0.146	1	12/13/2009	
Chloroprene	BQL	20.0	0.292	1	12/13/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/13/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/13/2009	
Dibromomethane	BQL	10.0	0.113	1	12/13/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/13/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/13/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/13/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	12/13/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/13/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	12/13/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/13/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/13/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	12/13/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/13/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/13/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/13/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/13/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/13/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/13/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/13/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/13/2009	
Ethylbenzene	BQL	1.00	0.0770	1	12/13/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/13/2009	
2-Hexanone	BQL	50.0	0.720	1	12/13/2009	
Isobutanol	BQL	100	17.1	1	12/13/2009	
Iodomethane	BQL	10.0	0.0420	1	12/13/2009	
Methacrylonitrile	BQL	100	4.08	1	12/13/2009	
Methylene chloride	BQL	1.00	0.0980	1	12/13/2009	

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: SW-2
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-7A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/2/2009 15:00
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/13/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/13/2009	
Propionitrile	BQL	150	2.67	1	12/13/2009	
Styrene	BQL	1.00	0.0850	1	12/13/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/13/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/13/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	12/13/2009	
Toluene	BQL	1.00	0.0760	1	12/13/2009	
Trichloroethene	BQL	1.00	0.0540	1	12/13/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/13/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/13/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/13/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/13/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/13/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/13/2009	
Total Xylene	BQL	5.00	0.0650	1	12/13/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.5	105
Toluene-d8	10	9.73	97
4-Bromofluorobenzene	10	9.43	94

Comments:

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

Analyst: DVO

Reviewed By: [illegible]

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: SW-7
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-8A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/2/2009 15:15
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/13/2009	
Acetonitrile	BQL	55.0	2.58	1	12/13/2009	
Acrolein	BQL	53.0	2.93	1	12/13/2009	
Acrylonitrile	BQL	200	2.93	1	12/13/2009	
Allyl chloride	BQL	10.0	0.238	1	12/13/2009	
Benzene	BQL	1.00	0.0650	1	12/13/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/13/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/13/2009	
Bromoform	BQL	3.00	0.120	1	12/13/2009	
Bromomethane	BQL	10.0	0.133	1	12/13/2009	
2-Butanone	BQL	100	0.544	1	12/13/2009	
Carbon disulfide	BQL	100	0.0690	1	12/13/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/13/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/13/2009	
Chloroethane	BQL	10.0	0.106	1	12/13/2009	
Chloroform	BQL	5.00	0.0790	1	12/13/2009	
Chloromethane	BQL	1.00	0.146	1	12/13/2009	
Chloroprene	BQL	20.0	0.292	1	12/13/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/13/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/13/2009	
Dibromomethane	BQL	10.0	0.113	1	12/13/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/13/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/13/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/13/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	12/13/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/13/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	12/13/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/13/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/13/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	12/13/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/13/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/13/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/13/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/13/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/13/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/13/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/13/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/13/2009	
Ethylbenzene	BQL	1.00	0.0770	1	12/13/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/13/2009	
2-Hexanone	BQL	50.0	0.720	1	12/13/2009	
Isobutanol	BQL	100	17.1	1	12/13/2009	
Iodomethane	BQL	10.0	0.0420	1	12/13/2009	
Methacrylonitrile	BQL	100	4.08	1	12/13/2009	
Methylene chloride	BQL	1.00	0.0980	1	12/13/2009	

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: SW-7
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-8A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/2/2009 15:15
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/13/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/13/2009	
Propionitrile	BQL	150	2.67	1	12/13/2009	
Styrene	BQL	1.00	0.0850	1	12/13/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/13/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/13/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	12/13/2009	
Toluene	BQL	1.00	0.0760	1	12/13/2009	
Trichloroethene	BQL	1.00	0.0540	1	12/13/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/13/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/13/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/13/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/13/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/13/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/13/2009	
Total Xylene	BQL	5.00	0.0650	1	12/13/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.5	105
Toluene-d8	10	9.82	98
4-Bromofluorobenzene	10	9.45	95

Comments:

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

Analyst: DVO

Reviewed By: [illegible]

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-7
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-9A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/2/2009 15:35
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/14/2009	
Acetonitrile	BQL	55.0	2.58	1	12/14/2009	
Acrolein	BQL	53.0	2.93	1	12/14/2009	
Acrylonitrile	BQL	200	2.93	1	12/14/2009	
Allyl chloride	BQL	10.0	0.238	1	12/14/2009	
Benzene	**1.37**	1.00	0.0650	1	12/14/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/14/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/14/2009	
Bromoform	BQL	3.00	0.120	1	12/14/2009	
Bromomethane	BQL	10.0	0.133	1	12/14/2009	
2-Butanone	BQL	100	0.544	1	12/14/2009	
Carbon disulfide	BQL	100	0.0690	1	12/14/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/14/2009	
Chlorobenzene	**0.200**	3.00	0.0820	1	12/14/2009	J
Chloroethane	**0.620**	10.0	0.106	1	12/14/2009	J
Chloroform	BQL	5.00	0.0790	1	12/14/2009	
Chloromethane	BQL	1.00	0.146	1	12/14/2009	
Chloroprene	BQL	20.0	0.292	1	12/14/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/14/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/14/2009	
Dibromomethane	BQL	10.0	0.113	1	12/14/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/14/2009	
o-Dichlorobenzene	**0.230**	5.00	0.127	1	12/14/2009	J
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/14/2009	
p-Dichlorobenzene	**1.13**	1.00	0.0790	1	12/14/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/14/2009	
1,1-Dichloroethane	**0.320**	5.00	0.0740	1	12/14/2009	J
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/14/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/14/2009	
cis-1,2-Dichloroethene	**2.24**	5.00	0.0650	1	12/14/2009	J
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/14/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/14/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/14/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/14/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/14/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/14/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/14/2009	
Dichlorodifluoromethane	**0.690**	5.00	0.0940	1	12/14/2009	J
Ethylbenzene	BQL	1.00	0.0770	1	12/14/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/14/2009	
2-Hexanone	BQL	50.0	0.720	1	12/14/2009	
Isobutanol	BQL	100	17.1	1	12/14/2009	
Iodomethane	BQL	10.0	0.0420	1	12/14/2009	
Methacrylonitrile	BQL	100	4.08	1	12/14/2009	
Methylene chloride	BQL	1.00	0.0980	1	12/14/2009	

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-7
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-9A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/2/2009 15:35
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/14/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/14/2009	
Propionitrile	BQL	150	2.67	1	12/14/2009	
Styrene	BQL	1.00	0.0850	1	12/14/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/14/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/14/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	12/14/2009	
Toluene	**0.300**	1.00	0.0760	1	12/14/2009	J
Trichloroethene	BQL	1.00	0.0540	1	12/14/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/14/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/14/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/14/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/14/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/14/2009	
Vinyl chloride	**1.82**	1.00	0.149	1	12/14/2009	
Total Xylene	**0.480**	5.00	0.0650	1	12/14/2009	J

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.6	106
Toluene-d8	10	9.86	99
4-Bromofluorobenzene	10	9.48	95

Comments:

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

Analyst: DVO

Reviewed By: [signature]

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-6d
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-10A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/3/2009 8:55
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/14/2009	
Acetonitrile	BQL	55.0	2.58	1	12/14/2009	
Acrolein	BQL	53.0	2.93	1	12/14/2009	
Acrylonitrile	BQL	200	2.93	1	12/14/2009	
Allyl chloride	BQL	10.0	0.238	1	12/14/2009	
Benzene	BQL	1.00	0.0650	1	12/14/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/14/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/14/2009	
Bromoform	BQL	3.00	0.120	1	12/14/2009	
Bromomethane	BQL	10.0	0.133	1	12/14/2009	
2-Butanone	BQL	100	0.544	1	12/14/2009	
Carbon disulfide	BQL	100	0.0690	1	12/14/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/14/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/14/2009	
Chloroethane	BQL	10.0	0.106	1	12/14/2009	
Chloroform	**0.580**	5.00	0.0790	1	12/14/2009	J
Chloromethane	BQL	1.00	0.146	1	12/14/2009	
Chloroprene	BQL	20.0	0.292	1	12/14/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/14/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/14/2009	
Dibromomethane	BQL	10.0	0.113	1	12/14/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/14/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/14/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/14/2009	
p-Dichlorobenzene	**0.280**	1.00	0.0790	1	12/14/2009	J
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/14/2009	
1,1-Dichloroethane	**5.51**	5.00	0.0740	1	12/14/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/14/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/14/2009	
cis-1,2-Dichloroethene	**0.900**	5.00	0.0650	1	12/14/2009	J
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/14/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/14/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/14/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/14/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/14/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/14/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/14/2009	
Dichlorodifluoromethane	**1.86**	5.00	0.0940	1	12/14/2009	J
Ethylbenzene	BQL	1.00	0.0770	1	12/14/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/14/2009	
2-Hexanone	BQL	50.0	0.720	1	12/14/2009	
Isobutanol	BQL	100	17.1	1	12/14/2009	
Iodomethane	BQL	10.0	0.0420	1	12/14/2009	
Methacrylonitrile	BQL	100	4.08	1	12/14/2009	
Methylene chloride	**0.420**	1.00	0.0980	1	12/14/2009	J

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-6d
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-10A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/3/2009 8:55
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/14/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/14/2009	
Propionitrile	BQL	150	2.67	1	12/14/2009	
Styrene	BQL	1.00	0.0850	1	12/14/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/14/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/14/2009	
Tetrachloroethene	**0.690**	1.00	0.0690	1	12/14/2009	J
Toluene	BQL	1.00	0.0760	1	12/14/2009	
Trichloroethene	**0.860**	1.00	0.0540	1	12/14/2009	J
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/14/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/14/2009	
Trichlorofluoromethane	**0.750**	1.00	0.111	1	12/14/2009	J
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/14/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/14/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/14/2009	
Total Xylene	BQL	5.00	0.0650	1	12/14/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.5	105
Toluene-d8	10	9.86	99
4-Bromofluorobenzene	10	9.69	97

Comments:

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

Analyst: DVO

Reviewed By: [illegible]

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-6
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-11A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/3/2009 8:20
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/14/2009	
Acetonitrile	BQL	55.0	2.58	1	12/14/2009	
Acrolein	BQL	53.0	2.93	1	12/14/2009	
Acrylonitrile	BQL	200	2.93	1	12/14/2009	
Allyl chloride	BQL	10.0	0.238	1	12/14/2009	
Benzene	**2.56**	1.00	0.0650	1	12/14/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/14/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/14/2009	
Bromoform	BQL	3.00	0.120	1	12/14/2009	
Bromomethane	BQL	10.0	0.133	1	12/14/2009	
2-Butanone	BQL	100	0.544	1	12/14/2009	
Carbon disulfide	BQL	100	0.0690	1	12/14/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/14/2009	
Chlorobenzene	**1.70**	3.00	0.0820	1	12/14/2009	J
Chloroethane	**1.79**	10.0	0.106	1	12/14/2009	J
Chloroform	BQL	5.00	0.0790	1	12/14/2009	
Chloromethane	BQL	1.00	0.146	1	12/14/2009	
Chloroprene	BQL	20.0	0.292	1	12/14/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/14/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/14/2009	
Dibromomethane	BQL	10.0	0.113	1	12/14/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/14/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/14/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/14/2009	
p-Dichlorobenzene	**1.78**	1.00	0.0790	1	12/14/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/14/2009	
1,1-Dichloroethane	**0.790**	5.00	0.0740	1	12/14/2009	J
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/14/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/14/2009	
cis-1,2-Dichloroethene	**1.49**	5.00	0.0650	1	12/14/2009	J
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/14/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/14/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/14/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/14/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/14/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/14/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/14/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/14/2009	
Ethylbenzene	BQL	1.00	0.0770	1	12/14/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/14/2009	
2-Hexanone	BQL	50.0	0.720	1	12/14/2009	
Isobutanol	BQL	100	17.1	1	12/14/2009	
Iodomethane	BQL	10.0	0.0420	1	12/14/2009	
Methacrylonitrile	BQL	100	4.08	1	12/14/2009	
Methylene chloride	**0.280**	1.00	0.0980	1	12/14/2009	J

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-6
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-11A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/3/2009 8:20
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/14/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/14/2009	
Propionitrile	BQL	150	2.67	1	12/14/2009	
Styrene	BQL	1.00	0.0850	1	12/14/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/14/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/14/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	12/14/2009	
Toluene	**0.140**	1.00	0.0760	1	12/14/2009	J
Trichloroethene	**0.600**	1.00	0.0540	1	12/14/2009	J
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/14/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/14/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/14/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/14/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/14/2009	
Vinyl chloride	**2.24**	1.00	0.149	1	12/14/2009	
Total Xylene	BQL	5.00	0.0650	1	12/14/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.7	107
Toluene-d8	10	9.88	99
4-Bromofluorobenzene	10	9.49	95

Comments:

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

Analyst: DVO

Reviewed By: [illegible]

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-5R
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-12B
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/3/2009 10:10
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/14/2009	
Acetonitrile	BQL	55.0	2.58	1	12/14/2009	
Acrolein	BQL	53.0	2.93	1	12/14/2009	
Acrylonitrile	BQL	200	2.93	1	12/14/2009	
Allyl chloride	BQL	10.0	0.238	1	12/14/2009	
Benzene	BQL	1.00	0.0650	1	12/14/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/14/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/14/2009	
Bromoform	BQL	3.00	0.120	1	12/14/2009	
Bromomethane	BQL	10.0	0.133	1	12/14/2009	
2-Butanone	BQL	100	0.544	1	12/14/2009	
Carbon disulfide	BQL	100	0.0690	1	12/14/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/14/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/14/2009	
Chloroethane	BQL	10.0	0.106	1	12/14/2009	
Chloroform	BQL	5.00	0.0790	1	12/14/2009	
Chloromethane	BQL	1.00	0.146	1	12/14/2009	
Chloroprene	BQL	20.0	0.292	1	12/14/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/14/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/14/2009	
Dibromomethane	BQL	10.0	0.113	1	12/14/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/14/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/14/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/14/2009	
p-Dichlorobenzene	**0.510**	1.00	0.0790	1	12/14/2009	J
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/14/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	12/14/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/14/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/14/2009	
cis-1,2-Dichloroethene	**0.0900**	5.00	0.0650	1	12/14/2009	J
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/14/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/14/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/14/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/14/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/14/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/14/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/14/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/14/2009	
Ethylbenzene	BQL	1.00	0.0770	1	12/14/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/14/2009	
2-Hexanone	BQL	50.0	0.720	1	12/14/2009	
Isobutanol	BQL	100	17.1	1	12/14/2009	
Iodomethane	BQL	10.0	0.0420	1	12/14/2009	
Methacrylonitrile	BQL	100	4.08	1	12/14/2009	
Methylene chloride	BQL	1.00	0.0980	1	12/14/2009	

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-5R
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-12B
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/3/2009 10:10
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/14/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/14/2009	
Propionitrile	BQL	150	2.67	1	12/14/2009	
Styrene	BQL	1.00	0.0850	1	12/14/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/14/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/14/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	12/14/2009	
Toluene	BQL	1.00	0.0760	1	12/14/2009	
Trichloroethene	BQL	1.00	0.0540	1	12/14/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/14/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/14/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/14/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/14/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/14/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/14/2009	
Total Xylene	BQL	5.00	0.0650	1	12/14/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.6	106
Toluene-d8	10	9.84	98
4-Bromofluorobenzene	10	9.52	95

Comments:

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

Analyst: DVO

Reviewed By: [illegible]

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-8
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-13A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/3/2009 13:25
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/15/2009	
Acetonitrile	BQL	55.0	2.58	1	12/15/2009	
Acrolein	BQL	53.0	2.93	1	12/15/2009	
Acrylonitrile	BQL	200	2.93	1	12/15/2009	
Allyl chloride	BQL	10.0	0.238	1	12/15/2009	
Benzene	**0.220**	1.00	0.0650	1	12/15/2009	J
Bromochloromethane	BQL	3.00	0.101	1	12/15/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/15/2009	
Bromoform	BQL	3.00	0.120	1	12/15/2009	
Bromomethane	BQL	10.0	0.133	1	12/15/2009	
2-Butanone	BQL	100	0.544	1	12/15/2009	
Carbon disulfide	BQL	100	0.0690	1	12/15/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/15/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/15/2009	
Chloroethane	BQL	10.0	0.106	1	12/15/2009	
Chloroform	**0.350**	5.00	0.0790	1	12/15/2009	J
Chloromethane	BQL	1.00	0.146	1	12/15/2009	
Chloroprene	BQL	20.0	0.292	1	12/15/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/15/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/15/2009	
Dibromomethane	BQL	10.0	0.113	1	12/15/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/15/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/15/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/15/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	12/15/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/15/2009	
1,1-Dichloroethane	**0.620**	5.00	0.0740	1	12/15/2009	J
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/15/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/15/2009	
cis-1,2-Dichloroethene	**8.04**	5.00	0.0650	1	12/15/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/15/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/15/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/15/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/15/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/15/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/15/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/15/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/15/2009	
Ethylbenzene	BQL	1.00	0.0770	1	12/15/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/15/2009	
2-Hexanone	BQL	50.0	0.720	1	12/15/2009	
Isobutanol	BQL	100	17.1	1	12/15/2009	
Iodomethane	BQL	10.0	0.0420	1	12/15/2009	
Methacrylonitrile	BQL	100	4.08	1	12/15/2009	
Methylene chloride	**0.450**	1.00	0.0980	1	12/15/2009	J

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-8
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-13A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/3/2009 13:25
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/15/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/15/2009	
Propionitrile	BQL	150	2.67	1	12/15/2009	
Styrene	BQL	1.00	0.0850	1	12/15/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/15/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/15/2009	
Tetrachloroethene	**0.130**	1.00	0.0690	1	12/15/2009	J
Toluene	BQL	1.00	0.0760	1	12/15/2009	
Trichloroethene	**0.250**	1.00	0.0540	1	12/15/2009	J
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/15/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/15/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/15/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/15/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/15/2009	
Vinyl chloride	**0.440**	1.00	0.149	1	12/15/2009	J
Total Xylene	BQL	5.00	0.0650	1	12/15/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.7	107
Toluene-d8	10	9.86	99
4-Bromofluorobenzene	10	9.69	97

Comments:

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

Analyst: DVO

Reviewed By: DM

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-10
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-14A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/3/2009 14:20
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/15/2009	
Acetonitrile	BQL	55.0	2.58	1	12/15/2009	
Acrolein	BQL	53.0	2.93	1	12/15/2009	
Acrylonitrile	BQL	200	2.93	1	12/15/2009	
Allyl chloride	BQL	10.0	0.238	1	12/15/2009	
Benzene	**4.32**	1.00	0.0650	1	12/15/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/15/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/15/2009	
Bromoform	BQL	3.00	0.120	1	12/15/2009	
Bromomethane	BQL	10.0	0.133	1	12/15/2009	
2-Butanone	BQL	100	0.544	1	12/15/2009	
Carbon disulfide	BQL	100	0.0690	1	12/15/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/15/2009	
Chlorobenzene	**0.0900**	3.00	0.0820	1	12/15/2009	J
Chloroethane	**1.06**	10.0	0.106	1	12/15/2009	J
Chloroform	BQL	5.00	0.0790	1	12/15/2009	
Chloromethane	BQL	1.00	0.146	1	12/15/2009	
Chloroprene	BQL	20.0	0.292	1	12/15/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/15/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/15/2009	
Dibromomethane	BQL	10.0	0.113	1	12/15/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/15/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/15/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/15/2009	
p-Dichlorobenzene	**0.680**	1.00	0.0790	1	12/15/2009	J
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/15/2009	
1,1-Dichloroethane	**7.58**	5.00	0.0740	1	12/15/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/15/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/15/2009	
cis-1,2-Dichloroethene	**28.8**	5.00	0.0650	1	12/15/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/15/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/15/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/15/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/15/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/15/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/15/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/15/2009	
Dichlorodifluoromethane	**0.380**	5.00	0.0940	1	12/15/2009	J
Ethylbenzene	BQL	1.00	0.0770	1	12/15/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/15/2009	
2-Hexanone	BQL	50.0	0.720	1	12/15/2009	
Isobutanol	BQL	100	17.1	1	12/15/2009	
Iodomethane	BQL	10.0	0.0420	1	12/15/2009	
Methacrylonitrile	BQL	100	4.08	1	12/15/2009	
Methylene chloride	**0.420**	1.00	0.0980	1	12/15/2009	J

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-10
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-14A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/3/2009 14:20
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/15/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/15/2009	
Propionitrile	BQL	150	2.67	1	12/15/2009	
Styrene	BQL	1.00	0.0850	1	12/15/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/15/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/15/2009	
Tetrachloroethene	**2.65**	1.00	0.0690	1	12/15/2009	
Toluene	BQL	1.00	0.0760	1	12/15/2009	
Trichloroethene	**2.99**	1.00	0.0540	1	12/15/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/15/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/15/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/15/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/15/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/15/2009	
Vinyl chloride	**0.950**	1.00	0.149	1	12/15/2009	J
Total Xylene	**0.150**	5.00	0.0650	1	12/15/2009	J

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.7	107
Toluene-d8	10	9.78	98
4-Bromofluorobenzene	10	9.68	97

Comments:

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

Analyst: DVO

Reviewed By: [illegible]

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-11
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-15A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/3/2009 14:40
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/15/2009	
Acetonitrile	BQL	55.0	2.58	1	12/15/2009	
Acrolein	BQL	53.0	2.93	1	12/15/2009	
Acrylonitrile	BQL	200	2.93	1	12/15/2009	
Allyl chloride	BQL	10.0	0.238	1	12/15/2009	
Benzene	BQL	1.00	0.0650	1	12/15/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/15/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/15/2009	
Bromoform	BQL	3.00	0.120	1	12/15/2009	
Bromomethane	BQL	10.0	0.133	1	12/15/2009	
2-Butanone	BQL	100	0.544	1	12/15/2009	
Carbon disulfide	BQL	100	0.0690	1	12/15/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/15/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/15/2009	
Chloroethane	BQL	10.0	0.106	1	12/15/2009	
Chloroform	**0.140**	5.00	0.0790	1	12/15/2009	J
Chloromethane	BQL	1.00	0.146	1	12/15/2009	
Chloroprene	BQL	20.0	0.292	1	12/15/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/15/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/15/2009	
Dibromomethane	BQL	10.0	0.113	1	12/15/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/15/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/15/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/15/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	12/15/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/15/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	12/15/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/15/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/15/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	12/15/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/15/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/15/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/15/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/15/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/15/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/15/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/15/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/15/2009	
Ethylbenzene	BQL	1.00	0.0770	1	12/15/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/15/2009	
2-Hexanone	BQL	50.0	0.720	1	12/15/2009	
Isobutanol	BQL	100	17.1	1	12/15/2009	
Iodomethane	BQL	10.0	0.0420	1	12/15/2009	
Methacrylonitrile	BQL	100	4.08	1	12/15/2009	
Methylene chloride	BQL	1.00	0.0980	1	12/15/2009	

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-11
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-15A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/3/2009 14:40
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/15/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/15/2009	
Propionitrile	BQL	150	2.67	1	12/15/2009	
Styrene	BQL	1.00	0.0850	1	12/15/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/15/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/15/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	12/15/2009	
Toluene	BQL	1.00	0.0760	1	12/15/2009	
Trichloroethene	BQL	1.00	0.0540	1	12/15/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/15/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/15/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/15/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/15/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/15/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/15/2009	
Total Xylene	BQL	5.00	0.0650	1	12/15/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.4	104
Toluene-d8	10	9.86	99
4-Bromofluorobenzene	10	9.64	96

Comments:

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

Analyst: DVO

Reviewed By: [illegible]

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: TB-1A
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-16A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/3/2009 15:00
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/15/2009	
Acetonitrile	BQL	55.0	2.58	1	12/15/2009	
Acrolein	BQL	53.0	2.93	1	12/15/2009	
Acrylonitrile	BQL	200	2.93	1	12/15/2009	
Allyl chloride	BQL	10.0	0.238	1	12/15/2009	
Benzene	BQL	1.00	0.0650	1	12/15/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/15/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/15/2009	
Bromoform	BQL	3.00	0.120	1	12/15/2009	
Bromomethane	BQL	10.0	0.133	1	12/15/2009	
2-Butanone	BQL	100	0.544	1	12/15/2009	
Carbon disulfide	BQL	100	0.0690	1	12/15/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/15/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/15/2009	
Chloroethane	BQL	10.0	0.106	1	12/15/2009	
Chloroform	**5.45**	5.00	0.0790	1	12/15/2009	
Chloromethane	BQL	1.00	0.146	1	12/15/2009	
Chloroprene	BQL	20.0	0.292	1	12/15/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/15/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/15/2009	
Dibromomethane	BQL	10.0	0.113	1	12/15/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/15/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/15/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/15/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	12/15/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/15/2009	
1,1-Dichloroethane	**0.300**	5.00	0.0740	1	12/15/2009	J
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/15/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/15/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	12/15/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/15/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/15/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/15/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/15/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/15/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/15/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/15/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/15/2009	
Ethylbenzene	BQL	1.00	0.0770	1	12/15/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/15/2009	
2-Hexanone	BQL	50.0	0.720	1	12/15/2009	
Isobutanol	BQL	100	17.1	1	12/15/2009	
Iodomethane	BQL	10.0	0.0420	1	12/15/2009	
Methacrylonitrile	BQL	100	4.08	1	12/15/2009	
Methylene chloride	BQL	1.00	0.0980	1	12/15/2009	

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: TB-1A
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-16A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/3/2009 15:00
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/15/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/15/2009	
Propionitrile	BQL	150	2.67	1	12/15/2009	
Styrene	BQL	1.00	0.0850	1	12/15/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/15/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/15/2009	
Tetrachloroethene	**0.160**	1.00	0.0690	1	12/15/2009	J
Toluene	BQL	1.00	0.0760	1	12/15/2009	
Trichloroethene	BQL	1.00	0.0540	1	12/15/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/15/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/15/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/15/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/15/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/15/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/15/2009	
Total Xylene	BQL	5.00	0.0650	1	12/15/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.9	109
Toluene-d8	10	9.96	100
4-Bromofluorobenzene	10	9.43	94

Comments:

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

Analyst: DVO

Reviewed By: MM

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-9
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-17A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/3/2009 15:50
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/15/2009	
Acetonitrile	BQL	55.0	2.58	1	12/15/2009	
Acrolein	BQL	53.0	2.93	1	12/15/2009	
Acrylonitrile	BQL	200	2.93	1	12/15/2009	
Allyl chloride	BQL	10.0	0.238	1	12/15/2009	
Benzene	**1.58**	1.00	0.0650	1	12/15/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/15/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/15/2009	
Bromoform	BQL	3.00	0.120	1	12/15/2009	
Bromomethane	BQL	10.0	0.133	1	12/15/2009	
2-Butanone	BQL	100	0.544	1	12/15/2009	
Carbon disulfide	BQL	100	0.0690	1	12/15/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/15/2009	
Chlorobenzene	**0.220**	3.00	0.0820	1	12/15/2009	J
Chloroethane	**2.37**	10.0	0.106	1	12/15/2009	J
Chloroform	BQL	5.00	0.0790	1	12/15/2009	
Chloromethane	BQL	1.00	0.146	1	12/15/2009	
Chloroprene	BQL	20.0	0.292	1	12/15/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/15/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/15/2009	
Dibromomethane	BQL	10.0	0.113	1	12/15/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/15/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/15/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/15/2009	
p-Dichlorobenzene	**6.06**	1.00	0.0790	1	12/15/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/15/2009	
1,1-Dichloroethane	**18.9**	5.00	0.0740	1	12/15/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/15/2009	
1,2-Dichloroethane	**0.670**	1.00	0.0790	1	12/15/2009	J
cis-1,2-Dichloroethene	**5.99**	5.00	0.0650	1	12/15/2009	
trans-1,2-dichloroethene	**0.210**	5.00	0.0890	1	12/15/2009	J
1,2-Dichloropropane	**0.800**	1.00	0.0940	1	12/15/2009	J
1,3-Dichloropropane	BQL	1.00	0.127	1	12/15/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/15/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/15/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/15/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/15/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/15/2009	
Ethylbenzene	**1.15**	1.00	0.0770	1	12/15/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/15/2009	
2-Hexanone	BQL	50.0	0.720	1	12/15/2009	
Isobutanol	BQL	100	17.1	1	12/15/2009	
Iodomethane	BQL	10.0	0.0420	1	12/15/2009	
Methacrylonitrile	BQL	100	4.08	1	12/15/2009	
Methylene chloride	BQL	1.00	0.0980	1	12/15/2009	

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: MW-9
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-17A
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/3/2009 15:50
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/15/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/15/2009	
Propionitrile	BQL	150	2.67	1	12/15/2009	
Styrene	BQL	1.00	0.0850	1	12/15/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/15/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/15/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	12/15/2009	
Toluene	**0.370**	1.00	0.0760	1	12/15/2009	J
Trichloroethene	**0.280**	1.00	0.0540	1	12/15/2009	J
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/15/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/15/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/15/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/15/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/15/2009	
Vinyl chloride	**21.5**	1.00	0.149	1	12/15/2009	
Total Xylene	**0.790**	5.00	0.0650	1	12/15/2009	J

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.8	108
Toluene-d8	10	9.92	99
4-Bromofluorobenzene	10	9.42	94

Comments:

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

Analyst: DVO

Reviewed By: [signature]

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: Trip Blank
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-18B
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/3/2009 0:00
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	12/15/2009	
Acetonitrile	BQL	55.0	2.58	1	12/15/2009	
Acrolein	BQL	53.0	2.93	1	12/15/2009	
Acrylonitrile	BQL	200	2.93	1	12/15/2009	
Allyl chloride	BQL	10.0	0.238	1	12/15/2009	
Benzene	BQL	1.00	0.0650	1	12/15/2009	
Bromochloromethane	BQL	3.00	0.101	1	12/15/2009	
Bromodichloromethane	BQL	1.00	0.0760	1	12/15/2009	
Bromoform	BQL	3.00	0.120	1	12/15/2009	
Bromomethane	BQL	10.0	0.133	1	12/15/2009	
2-Butanone	BQL	100	0.544	1	12/15/2009	
Carbon disulfide	BQL	100	0.0690	1	12/15/2009	
Carbon tetrachloride	BQL	1.00	0.0870	1	12/15/2009	
Chlorobenzene	BQL	3.00	0.0820	1	12/15/2009	
Chloroethane	BQL	10.0	0.106	1	12/15/2009	
Chloroform	BQL	5.00	0.0790	1	12/15/2009	
Chloromethane	BQL	1.00	0.146	1	12/15/2009	
Chloroprene	BQL	20.0	0.292	1	12/15/2009	
Dibromochloromethane	BQL	3.00	0.0900	1	12/15/2009	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	12/15/2009	
Dibromomethane	BQL	10.0	0.113	1	12/15/2009	
1,2-Dibromoethane (EDB)	BQL	1.00	0.124	1	12/15/2009	
o-Dichlorobenzene	BQL	5.00	0.127	1	12/15/2009	
m-Dichlorobenzene	BQL	5.00	0.0810	1	12/15/2009	
p-Dichlorobenzene	BQL	1.00	0.0790	1	12/15/2009	
trans-1,4-Dichloro-2-butene	BQL	100	0.630	1	12/15/2009	
1,1-Dichloroethane	BQL	5.00	0.0740	1	12/15/2009	
1,1-Dichloroethene	BQL	5.00	0.0890	1	12/15/2009	
1,2-Dichloroethane	BQL	1.00	0.0790	1	12/15/2009	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	12/15/2009	
trans-1,2-dichloroethene	BQL	5.00	0.0890	1	12/15/2009	
1,2-Dichloropropane	BQL	1.00	0.0940	1	12/15/2009	
1,3-Dichloropropane	BQL	1.00	0.127	1	12/15/2009	
2,2-Dichloropropane	BQL	15.0	0.0590	1	12/15/2009	
1,1-Dichloropropene	BQL	5.00	0.0720	1	12/15/2009	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/15/2009	
trans-1,3-Dichloropropene	BQL	1.00	0.0760	1	12/15/2009	
Dichlorodifluoromethane	BQL	5.00	0.0940	1	12/15/2009	
Ethylbenzene	BQL	1.00	0.0770	1	12/15/2009	
Ethyl methacrylate	BQL	10.0	0.119	1	12/15/2009	
2-Hexanone	BQL	50.0	0.720	1	12/15/2009	
Isobutanol	BQL	100	17.1	1	12/15/2009	
Iodomethane	BQL	10.0	0.0420	1	12/15/2009	
Methacrylonitrile	BQL	100	4.08	1	12/15/2009	
Methylene chloride	**0.220**	1.00	0.0980	1	12/15/2009	J

SGS North America, Inc.

Results for Volatiles
by GCMS 8260 Appendix II

Client Sample ID: Trip Blank
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-18B
Lab Project ID: G175-726

Analyzed By: DVO
Date Collected: 12/3/2009 0:00
Date Received: 12/4/2009
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Methyl methacrylate	BQL	30.0	0.155	1	12/15/2009	
4-Methyl-2-pentanone	BQL	100	0.550	1	12/15/2009	
Propionitrile	BQL	150	2.67	1	12/15/2009	
Styrene	BQL	1.00	0.0850	1	12/15/2009	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	12/15/2009	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	12/15/2009	
Tetrachloroethene	BQL	1.00	0.0690	1	12/15/2009	
Toluene	**0.210**	1.00	0.0760	1	12/15/2009	J
Trichloroethene	BQL	1.00	0.0540	1	12/15/2009	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	12/15/2009	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	12/15/2009	
Trichlorofluoromethane	BQL	1.00	0.111	1	12/15/2009	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	12/15/2009	
Vinyl acetate	BQL	50.0	0.100	1	12/15/2009	
Vinyl chloride	BQL	1.00	0.149	1	12/15/2009	
Total Xylene	BQL	5.00	0.0650	1	12/15/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.7	107
Toluene-d8	10	9.95	99
4-Bromofluorobenzene	10	9.31	93

Comments:

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

Analyst: DVO

Reviewed By: [illegible]

Results for Metals

Client Sample ID:	MW-31d	Analyzed By:	PSW CRN
Client Project ID:	N Wake Closed	Date Collected:	12/2/2009 09:55
Lab Sample ID:	G175-726-1	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15671 15722		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/8/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/8/2009	
Barium	**0.0158**	0.100	0.00206	1	MG/L	6010B	12/8/2009	J
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	12/8/2009	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/8/2009	
Chromium	**0.00523**	0.0100	0.00146	1	MG/L	6010B	12/8/2009	J
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/8/2009	
Copper	**0.00919**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/8/2009	
Mercury	BQL	0.00142	0.000119	5	MG/L	7470	12/15/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/8/2009	
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/8/2009	
Silver	BQL	0.0100	0.000656	1	MG/L	6010B	12/8/2009	
Thallium	**0.000420**	0.00550	0.000198	10	MG/L	6020	12/8/2009	J
Vanadium	**0.00727**	0.0250	0.000586	10	MG/L	6020	12/8/2009	JB
Zinc	**0.0355**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	B

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
METALS.XLS

Results for Metals

Client Sample ID:	MW-29d	Analyzed By:	PSW CRN
Client Project ID:	N Wake Closed	Date Collected:	12/2/2009 11:20
Lab Sample ID:	G175-726-2	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15671 15722		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/8/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/8/2009	
Barium	**0.0371**	0.100	0.00206	1	MG/L	6010B	12/8/2009	J
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	12/8/2009	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/8/2009	
Chromium	**0.00439**	0.0100	0.00146	1	MG/L	6010B	12/8/2009	J
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/8/2009	
Copper	**0.0126**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	B
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/8/2009	
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/15/2009	
Nickel	**0.00268**	0.0500	0.00236	1	MG/L	6010B	12/8/2009	J
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/8/2009	
Silver	BQL	0.0100	0.000656	1	MG/L	6010B	12/8/2009	
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/8/2009	
Vanadium	**0.00501**	0.0250	0.000586	10	MG/L	6020	12/8/2009	JB
Zinc	**0.00493**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	JB

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: METALS.XLS

Results for Metals

Client Sample ID:	MW-36d	Analyzed By:	PSW CRN
Client Project ID:	N Wake Closed	Date Collected:	12/2/2009 12:50
Lab Sample ID:	G175-726-3	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15671 15722		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/8/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/8/2009	
Barium	**0.0540**	0.100	0.00206	1	MG/L	6010B	12/8/2009	J
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	12/8/2009	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/8/2009	
Chromium	**0.0260**	0.0100	0.00146	1	MG/L	6010B	12/8/2009	
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/8/2009	
Copper	**0.0116**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	B
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/8/2009	
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/15/2009	
Nickel	**0.0159**	0.0500	0.00236	1	MG/L	6010B	12/8/2009	J
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/8/2009	
Silver	BQL	0.0100	0.000656	1	MG/L	6010B	12/8/2009	
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/8/2009	
Vanadium	**0.0107**	0.0250	0.000586	10	MG/L	6020	12/8/2009	JB
Zinc	**0.00416**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	JB

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: WL
METALS.XLS

Results for Metals

Client Sample ID:	SW-3	Analyzed By:	PSW CRN
Client Project ID:	N Wake Closed	Date Collected:	12/2/2009 14:10
Lab Sample ID:	G175-726-4	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15671 15722		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/8/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/8/2009	
Barium	**0.0329**	0.100	0.00206	1	MG/L	6010B	12/8/2009	J
Beryllium	**0.000490**	0.00100	0.000442	10	MG/L	6020	12/8/2009	J
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/8/2009	
Chromium	**0.00365**	0.0100	0.00146	1	MG/L	6010B	12/8/2009	J
Cobalt	**0.00265**	0.0100	0.00172	1	MG/L	6010B	12/8/2009	J
Copper	**0.0121**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	B
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/8/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/8/2009	
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/8/2009	
Silver	BQL	0.0100	0.000656	1	MG/L	6010B	12/8/2009	
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/8/2009	
Vanadium	**0.0149**	0.0250	0.000586	10	MG/L	6020	12/8/2009	JB
Zinc	**0.0143**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	B

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: METALS.XLS

Results for Metals

Client Sample ID:	SW-8	Analyzed By:	PSW CRN
Client Project ID:	N Wake Closed	Date Collected:	12/2/2009 14:30
Lab Sample ID:	G175-726-5	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15671 15722		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/8/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/8/2009	
Barium	**0.0281**	0.100	0.00206	1	MG/L	6010B	12/8/2009	J
Beryllium	**0.000500**	0.00100	0.000442	10	MG/L	6020	12/8/2009	J
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/8/2009	
Chromium	**0.00238**	0.0100	0.00146	1	MG/L	6010B	12/8/2009	J
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/8/2009	
Copper	**0.00811**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/8/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/8/2009	
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/8/2009	
Silver	BQL	0.0100	0.000656	1	MG/L	6010B	12/8/2009	
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/8/2009	
Vanadium	**0.0118**	0.0250	0.000586	10	MG/L	6020	12/8/2009	JB
Zinc	**0.0208**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	B

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
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Results for Metals

Client Sample ID:	MW-14	Analyzed By:	PSW CRN
Client Project ID:	N Wake Closed	Date Collected:	12/2/2009 14:45
Lab Sample ID:	G175-726-6	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15671 15722		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/8/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/8/2009	
Barium	**0.0384**	0.100	0.00206	1	MG/L	6010B	12/8/2009	J
Beryllium	**0.000560**	0.00100	0.000442	10	MG/L	6020	12/8/2009	J
Cadmium	**0.000520**	0.00100	0.000158	10	MG/L	6020	12/8/2009	J
Chromium	**0.00986**	0.0100	0.00146	1	MG/L	6010B	12/8/2009	J
Cobalt	**0.0145**	0.0100	0.00172	1	MG/L	6010B	12/8/2009	
Copper	**0.0207**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	B
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/8/2009	
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/15/2009	
Nickel	**0.00769**	0.0500	0.00236	1	MG/L	6010B	12/8/2009	J
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/8/2009	
Silver	BQL	0.0100	0.000656	1	MG/L	6010B	12/8/2009	
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/8/2009	
Vanadium	**0.00907**	0.0250	0.000586	10	MG/L	6020	12/8/2009	JB
Zinc	**0.00836**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	JB

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
METALS.XLS

Results for Metals

Client Sample ID:	SW-2	Analyzed By:	PSW CRN
Client Project ID:	N Wake Closed	Date Collected:	12/2/2009 15:00
Lab Sample ID:	G175-726-7	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15671 15722		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/8/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/8/2009	
Barium	**0.0167**	0.100	0.00206	1	MG/L	6010B	12/8/2009	J
Beryllium	**0.000460**	0.00100	0.000442	10	MG/L	6020	12/8/2009	J
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/8/2009	
Chromium	BQL	0.0100	0.00146	1	MG/L	6010B	12/8/2009	
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/8/2009	
Copper	**0.00765**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/8/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/8/2009	
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/8/2009	
Silver	BQL	0.0100	0.000656	1	MG/L	6010B	12/8/2009	
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/8/2009	
Vanadium	**0.00831**	0.0250	0.000586	10	MG/L	6020	12/8/2009	JB
Zinc	**0.00757**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	JB

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
METALS.XLS

Results for Metals

Client Sample ID:	SW-7	Analyzed By:	PSW CRN
Client Project ID:	N Wake Closed	Date Collected:	12/2/2009 15:15
Lab Sample ID:	G175-726-8	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15671 15722		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/8/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/8/2009	
Barium	**0.0211**	0.100	0.00206	1	MG/L	6010B	12/8/2009	J
Beryllium	**0.000500**	0.00100	0.000442	10	MG/L	6020	12/8/2009	J
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/8/2009	
Chromium	**0.00480**	0.0100	0.00146	1	MG/L	6010B	12/8/2009	J
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/8/2009	
Copper	**0.00702**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/8/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/8/2009	
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/8/2009	
Silver	BQL	0.0100	0.000656	1	MG/L	6010B	12/8/2009	
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/8/2009	
Vanadium	**0.00872**	0.0250	0.000586	10	MG/L	6020	12/8/2009	JB
Zinc	**0.00819**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	JB

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
METALS.XLS

Results for Metals

Client Sample ID:	MW-7	Analyzed By:	PSW CRN
Client Project ID:	N Wake Closed	Date Collected:	12/2/2009 15:35
Lab Sample ID:	G175-726-9	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15671 15722		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/8/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/8/2009	
Barium	**0.0528**	0.100	0.00206	1	MG/L	6010B	12/8/2009	J
Beryllium	**0.000740**	0.00100	0.000442	10	MG/L	6020	12/8/2009	J
Cadmium	**0.000660**	0.00100	0.000158	10	MG/L	6020	12/8/2009	J
Chromium	**0.0185**	0.0100	0.00146	1	MG/L	6010B	12/8/2009	
Cobalt	**0.0175**	0.0100	0.00172	1	MG/L	6010B	12/8/2009	
Copper	**0.0275**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	B
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/8/2009	
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/15/2009	
Nickel	**0.0100**	0.0500	0.00236	1	MG/L	6010B	12/8/2009	J
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/8/2009	
Silver	BQL	0.0100	0.000656	1	MG/L	6010B	12/8/2009	
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/8/2009	
Vanadium	**0.0153**	0.0250	0.000586	10	MG/L	6020	12/8/2009	JB
Zinc	**0.0138**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	B

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: METALS.XLS

Results for Metals

Client Sample ID:	MW-6d	Analyzed By:	PSW CRN
Client Project ID:	N Wake Closed	Date Collected:	12/3/2009 08:55
Lab Sample ID:	G175-726-10	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15671 15722		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/8/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/8/2009	
Barium	**0.119**	0.100	0.00206	1	MG/L	6010B	12/8/2009	
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	12/8/2009	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/8/2009	
Chromium	**0.00239**	0.0100	0.00146	1	MG/L	6010B	12/8/2009	J
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/8/2009	
Copper	**0.00614**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/8/2009	
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/15/2009	
Nickel	**0.00584**	0.0500	0.00236	1	MG/L	6010B	12/8/2009	J
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/8/2009	
Silver	BQL	0.0100	0.000656	1	MG/L	6010B	12/8/2009	
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/8/2009	
Vanadium	**0.00645**	0.0250	0.000586	10	MG/L	6020	12/8/2009	JB
Zinc	**0.00962**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	JB

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By
METALS.XLS

Results for Metals

Client Sample ID:	MW-6	Analyzed By:	PSW CRN
Client Project ID:	N Wake Closed	Date Collected:	12/3/2009 08:20
Lab Sample ID:	G175-726-11	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15671 15722		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/8/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/8/2009	
Barium	**0.449**	0.100	0.00206	1	MG/L	6010B	12/8/2009	
Beryllium	**0.000610**	0.00100	0.000442	10	MG/L	6020	12/8/2009	J
Cadmium	**0.000310**	0.00100	0.000158	10	MG/L	6020	12/8/2009	J
Chromium	**0.00247**	0.0100	0.00146	1	MG/L	6010B	12/8/2009	J
Cobalt	**0.0624**	0.0100	0.00172	1	MG/L	6010B	12/8/2009	
Copper	**0.00716**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/8/2009	
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/15/2009	
Nickel	**0.0114**	0.0500	0.00236	1	MG/L	6010B	12/8/2009	J
Selenium	**0.00370**	0.0100	0.00278	1	MG/L	6010B	12/8/2009	J
Silver	BQL	0.0100	0.000656	1	MG/L	6010B	12/8/2009	
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/8/2009	
Vanadium	BQL	0.0250	0.000586	10	MG/L	6020	12/8/2009	B
Zinc	**0.00341**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	JB

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: METALS.XLS

Results for Metals

Client Sample ID:	MW-5R	Analyzed By:	PSW CRN
Client Project ID:	N Wake Closed	Date Collected:	12/3/2009 10:10
Lab Sample ID:	G175-726-12	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15671 15722		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/8/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/8/2009	
Barium	**0.106**	0.100	0.00206	1	MG/L	6010B	12/8/2009	
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	12/8/2009	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/8/2009	
Chromium	BQL	0.0100	0.00146	1	MG/L	6010B	12/8/2009	
Cobalt	**0.00360**	0.0100	0.00172	1	MG/L	6010B	12/8/2009	J
Copper	**0.00320**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/8/2009	
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/15/2009	
Nickel	**0.00236**	0.0500	0.00236	1	MG/L	6010B	12/8/2009	
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/8/2009	
Silver	BQL	0.0100	0.000656	1	MG/L	6010B	12/8/2009	
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/8/2009	
Vanadium	**0.00145**	0.0250	0.000586	10	MG/L	6020	12/8/2009	JB
Zinc	**0.0383**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	B

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: METALS.XLS

Results for Metals

Client Sample ID:	MW-8	Analyzed By:	PSW CRN
Client Project ID:	N Wake Closed	Date Collected:	12/3/2009 13:25
Lab Sample ID:	G175-726-13	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15671 15722		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/8/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/8/2009	
Barium	**0.0341**	0.100	0.00206	1	MG/L	6010B	12/8/2009	J
Beryllium	**0.000500**	0.00100	0.000442	10	MG/L	6020	12/8/2009	J
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/8/2009	
Chromium	**0.00617**	0.0100	0.00146	1	MG/L	6010B	12/8/2009	J
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/8/2009	
Copper	**0.00680**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/8/2009	
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/15/2009	
Nickel	**0.00315**	0.0500	0.00236	1	MG/L	6010B	12/8/2009	J
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/8/2009	
Silver	BQL	0.0100	0.000656	1	MG/L	6010B	12/8/2009	
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/8/2009	
Vanadium	**0.00997**	0.0250	0.000586	10	MG/L	6020	12/8/2009	JB
Zinc	**0.0591**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	B

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: METALS.XLS

Results for Metals

Client Sample ID:	MW-10	Analyzed By:	PSW CRN
Client Project ID:	N Wake Closed	Date Collected:	12/3/2009 14:20
Lab Sample ID:	G175-726-14	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15671 15722		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/8/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/8/2009	
Barium	**0.0163**	0.100	0.00206	1	MG/L	6010B	12/8/2009	J
Beryllium	**0.000640**	0.00100	0.000442	10	MG/L	6020	12/8/2009	J
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/8/2009	
Chromium	BQL	0.0100	0.00146	1	MG/L	6010B	12/8/2009	
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/8/2009	
Copper	**0.00396**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/8/2009	
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/15/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/8/2009	
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/8/2009	
Silver	BQL	0.0100	0.000656	1	MG/L	6010B	12/8/2009	
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/8/2009	
Vanadium	**0.00256**	0.0250	0.000586	10	MG/L	6020	12/8/2009	JB
Zinc	**0.00835**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	JB

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: UCL
METALS.XLS

Results for Metals

Client Sample ID:	MW-11	Analyzed By:	PSW CRN
Client Project ID:	N Wake Closed	Date Collected:	12/3/2009 14:40
Lab Sample ID:	G175-726-15	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15671 15722		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/8/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/8/2009	
Barium	**0.412**	0.100	0.00206	1	MG/L	6010B	12/8/2009	
Beryllium	**0.00236**	0.00100	0.000442	10	MG/L	6020	12/8/2009	
Cadmium	**0.000220**	0.00100	0.000158	10	MG/L	6020	12/8/2009	J
Chromium	**0.0149**	0.0100	0.00146	1	MG/L	6010B	12/8/2009	
Cobalt	**0.0254**	0.0100	0.00172	1	MG/L	6010B	12/8/2009	
Copper	**0.102**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	B
Lead	**0.0192**	0.0100	0.00679	1	MG/L	6010B	12/8/2009	
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/15/2009	
Nickel	**0.0145**	0.0500	0.00236	1	MG/L	6010B	12/8/2009	J
Selenium	**0.0107**	0.0100	0.00278	1	MG/L	6010B	12/8/2009	
Silver	BQL	0.0100	0.000656	1	MG/L	6010B	12/8/2009	
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/8/2009	
Vanadium	**0.0990**	0.0250	0.000586	10	MG/L	6020	12/8/2009	B
Zinc	**0.120**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	B

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: UIL
METALS.XLS

Results for Metals

Client Sample ID:	TB-1A	Analyzed By:	PSW CRN
Client Project ID:	N Wake Closed	Date Collected:	12/3/2009 15:00
Lab Sample ID:	G175-726-16	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15671 15722		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/8/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/8/2009	
Barium	**0.0685**	0.100	0.00206	1	MG/L	6010B	12/8/2009	J
Beryllium	**0.000450**	0.00100	0.000442	10	MG/L	6020	12/8/2009	J
Cadmium	**0.00333**	0.00100	0.000158	10	MG/L	6020	12/8/2009	
Chromium	**0.00913**	0.0100	0.00146	1	MG/L	6010B	12/8/2009	J
Cobalt	**0.00389**	0.0100	0.00172	1	MG/L	6010B	12/8/2009	J
Copper	**0.0564**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	B
Lead	**0.00692**	0.0100	0.00679	1	MG/L	6010B	12/8/2009	J
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/15/2009	
Nickel	**0.0122**	0.0500	0.00236	1	MG/L	6010B	12/8/2009	J
Selenium	**0.00397**	0.0100	0.00278	1	MG/L	6010B	12/8/2009	J
Silver	BQL	0.0100	0.000656	1	MG/L	6010B	12/8/2009	
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/8/2009	
Vanadium	**0.0230**	0.0250	0.000586	10	MG/L	6020	12/8/2009	JB
Zinc	**0.0265**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	B

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: METALS.XLS

Results for Metals

Client Sample ID:	MW-9	Analyzed By:	PSW CRN
Client Project ID:	N Wake Closed	Date Collected:	12/3/2009 15:50
Lab Sample ID:	G175-726-17	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	WATER
ICP InitWt/Vol:	50 mL Final Vol: 50 mL		
Hg InitWt/Vol:	40 mL Final Vol: 57 mL		
Prep Batch:	15671 15722		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/8/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/8/2009	
Barium	**0.190**	0.100	0.00206	1	MG/L	6010B	12/8/2009	
Beryllium	**0.000640**	0.00100	0.000442	10	MG/L	6020	12/8/2009	J
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/8/2009	
Chromium	**0.00784**	0.0100	0.00146	1	MG/L	6010B	12/8/2009	J
Cobalt	**0.00286**	0.0100	0.00172	1	MG/L	6010B	12/8/2009	J
Copper	**0.00525**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/8/2009	
Mercury	BQL	0.000285	0.000024	1	MG/L	7470	12/15/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/8/2009	
Selenium	**0.00437**	0.0100	0.00278	1	MG/L	6010B	12/8/2009	J
Silver	BQL	0.0100	0.000656	1	MG/L	6010B	12/8/2009	
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/8/2009	
Vanadium	**0.00149**	0.0250	0.000586	10	MG/L	6020	12/8/2009	JB
Zinc	**0.00402**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	JB

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
METALS.XLS

Results for Metals

Client Sample ID:	Lab Blank			Analyzed By:	PSW
Client Project ID:				Date Collected:	
Lab Sample ID:	pb15671			Date Received:	
Lab Project ID:				Matrix:	WATER
ICP InitWt/Vol:	50 mL	Final Vol:	50 mL		
Hg InitWt/Vol:		Final Vol:			
Prep Batch:	15671				

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/8/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/8/2009	
Barium	BQL	0.100	0.00206	1	MG/L	6010B	12/8/2009	
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	12/8/2009	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	12/8/2009	
Chromium	BQL	0.0100	0.00146	1	MG/L	6010B	12/8/2009	
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/8/2009	
Copper	**0.00712**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	J
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/8/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/8/2009	
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/8/2009	
Silver	BQL	0.0100	0.000656	1	MG/L	6010B	12/8/2009	
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	12/8/2009	
Vanadium	**0.00151**	0.0250	0.000586	10	MG/L	6020	12/8/2009	J
Zinc	**0.00178**	0.0100	0.00129	1	MG/L	6010B	12/8/2009	J

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
METALS.XLS

Results for Anions
by IC 300.0

Client Sample ID:	MW-6	Analyzed By:	CRN
Client Project ID:	N Wake Closed	Date Collected:	12/3/2009 08:20
Lab Sample ID:	G175-726-11Q	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	Water

Analyte	Result mg/L	RL mg/L	MDL mg/L	Dilution Factor	Date Analyzed	Flags
Nitrate	BQL	0.300	0.00670	1	12/6/2009	

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

Reviewed By: _____
IC_WA.XLS

Results for Anions
by IC 300.0

Client Sample ID:	MW-5R	Analyzed By:	CRN
Client Project ID:	N Wake Closed	Date Collected:	12/3/2009 10:10
Lab Sample ID:	G175-726-12Q	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	Water

Analyte	Result mg/L	RL mg/L	MDL mg/L	Dilution Factor	Date Analyzed	Flags
Nitrate	**12.6**	3.00	0.0670	10	12/6/2009	

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

Reviewed By: CW
IC_WA.XLS

Results for Anions
by IC 300.0

Client Sample ID:	MW-8	Analyzed By:	CRN
Client Project ID:	N Wake Closed	Date Collected:	12/3/2009 13:25
Lab Sample ID:	G175-726-13Q	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	Water

Analyte	Result mg/L	RL mg/L	MDL mg/L	Dilution Factor	Date Analyzed	Flags
Nitrate	**0.256**	0.300	0.00670	1	12/6/2009	J

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

Reviewed By: _____
IC_WA.XLS

Results for Anions
by IC 300.0

Client Sample ID:	MW-10	Analyzed By:	CRN
Client Project ID:	N Wake Closed	Date Collected:	12/3/2009 14:20
Lab Sample ID:	G175-726-14Q	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	Water

Analyte	Result mg/L	RL mg/L	MDL mg/L	Dilution Factor	Date Analyzed	Flags
Nitrate	BQL	0.300	0.00670	1	12/6/2009	

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

Reviewed By: _____
IC_WA.XLS

Results for Anions
by IC 300.0

Client Sample ID:	MW-11	Analyzed By:	CRN
Client Project ID:	N Wake Closed	Date Collected:	12/3/2009 14:40
Lab Sample ID:	G175-726-15Q	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	Water

Analyte	Result mg/L	RL mg/L	MDL mg/L	Dilution Factor	Date Analyzed	Flags
Nitrate	**0.662**	0.300	0.00670	1	12/6/2009	

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

Reviewed By: _____
IC_WA.XLS

Results for Anions
by IC 300.0

Client Sample ID:	TB-1A	Analyzed By:	CRN
Client Project ID:	N Wake Closed	Date Collected:	12/3/2009 15:00
Lab Sample ID:	G175-726-16Q	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	Water

Analyte	Result mg/L	RL mg/L	MDL mg/L	Dilution Factor	Date Analyzed	Flags
Nitrate	**0.456**	0.300	0.00670	1	12/6/2009	

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

Reviewed By: CR
IC_WA.XLS

Results for Anions
by IC 300.0

Client Sample ID:	MW-9	Analyzed By:	CRN
Client Project ID:	N Wake Closed	Date Collected:	12/3/2009 15:50
Lab Sample ID:	G175-726-17Q	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	Water

Analyte	Result mg/L	RL mg/L	MDL mg/L	Dilution Factor	Date Analyzed	Flags
Nitrate	BQL	0.300	0.00670	1	12/6/2009	

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

Reviewed By: _____
IC_WA.XLS

Results for TOC
by 9060A

Client Sample ID: MW-6
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-11I
Lab Project ID: G175-726

Analyzed By: CRN
Date Collected: 12/3/2009 8:20
Date Received: 12/4/2009
Matrix: Water

Analyte	Result MG/L	RL MG/L	MDL MG/L	Dilution Factor	Date Analyzed	Flags
Total Organic Carbon	**19.4**	0.500	0.0397	1.0	12/08/09	

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

Reviewed By: _____
TOC

Results for TOC
by 9060A

Client Sample ID: MW-5R
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-12J
Lab Project ID: G175-726

Analyzed By: CRN
Date Collected: 12/3/2009 10:10
Date Received: 12/4/2009
Matrix: Water

Analyte	Result MG/L	RL MG/L	MDL MG/L	Dilution Factor	Date Analyzed	Flags
Total Organic Carbon	**2.26**	0.500	0.0397	1.0	12/08/09	

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

Reviewed By: _____
TOC

Results for TOC
by 9060A

Client Sample ID: MW-8
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-13J
Lab Project ID: G175-726

Analyzed By: CRN
Date Collected: 12/3/2009 13:25
Date Received: 12/4/2009
Matrix: Water

Analyte	Result MG/L	RL MG/L	MDL MG/L	Dilution Factor	Date Analyzed	Flags
Total Organic Carbon	**0.749**	0.500	0.0397	1.0	12/08/09	

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

Reviewed By: _____
TOC

Results for TOC
by 9060A

Client Sample ID: MW-10
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-14J
Lab Project ID: G175-726

Analyzed By: CRN
Date Collected: 12/3/2009 14:20
Date Received: 12/4/2009
Matrix: Water

Analyte	Result MG/L	RL MG/L	MDL MG/L	Dilution Factor	Date Analyzed	Flags
Total Organic Carbon	**1.02**	0.500	0.0397	1.0	12/08/09	

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

Reviewed By: TOC

Results for TOC
by 9060A

Client Sample ID: MW-11
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-15I
Lab Project ID: G175-726

Analyzed By: CRN
Date Collected: 12/3/2009 14:40
Date Received: 12/4/2009
Matrix: Water

Analyte	Result MG/L	RL MG/L	MDL MG/L	Dilution Factor	Date Analyzed	Flags
Total Organic Carbon	**0.343**	0.500	0.0397	1.0	12/08/09	J

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

Reviewed By: _____
TOC

Results for TOC
by 9060A

Client Sample ID: TB-1A
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-16I
Lab Project ID: G175-726

Analyzed By: CRN
Date Collected: 12/3/2009 15:00
Date Received: 12/4/2009
Matrix: Water

Analyte	Result MG/L	RL MG/L	MDL MG/L	Dilution Factor	Date Analyzed	Flags
Total Organic Carbon	**1.22**	0.500	0.0397	1.0	12/08/09	

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

Reviewed By: _____
TOC

Results for TOC
by 9060A

Client Sample ID:	MW-9	Analyzed By:	CRN
Client Project ID:	N Wake Closed	Date Collected:	12/3/2009 15:50
Lab Sample ID:	G175-726-17I	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	Water

Analyte	Result MG/L	RL MG/L	MDL MG/L	Dilution Factor	Date Analyzed	Flags
Total Organic Carbon	**2.97**	0.500	0.0397	1.0	12/08/09	

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

Reviewed By: _____
TOC

Results for Inorganics

Client Sample ID:	MW-6	Analyzed By:	PSW
Client Project ID:	N Wake Closed	Date Collected:	12/3/09
Lab Sample ID:	G175-726-11K	Date Received:	12/4/09
Lab Project ID:	G175-726	Matrix:	Water

Parameter	Result	RL	Units	Procedure	Date Analyzed
CO2	**326**	1	mg/L	SM4500 CO2 C	12/4/09 12:00

Note :
BQL = Below Quantitation Limit

Reviewed By: Co2

Results for Inorganics

Client Sample ID:	MW-5R	Analyzed By:	PSW
Client Project ID:	N Wake Closed	Date Collected:	12/3/09
Lab Sample ID:	G175-726-12K	Date Received:	12/4/09
Lab Project ID:	G175-726	Matrix:	Water

Parameter	Result	RL	Units	Procedure	Date Analyzed
CO2	**106**	1	mg/L	SM4500 CO2 C	12/4/09 11:50

Note :
BQL = Below Quantitation Limit

Reviewed By: _____
Co2

Results for Inorganics

Client Sample ID:	MW-10	Analyzed By:	PSW
Client Project ID:	N Wake Closed	Date Collected:	12/3/09
Lab Sample ID:	G175-726-14K	Date Received:	12/4/09
Lab Project ID:	G175-726	Matrix:	Water

Parameter	Result	RL	Units	Procedure	Date Analyzed
CO2	**286**	1	mg/L	SM4500 CO2 C	12/4/09 11:55

Note :
BQL = Below Quantitation Limit

Reviewed By: Co2

Results for Inorganics

Client Sample ID:	MW-11	Analyzed By:	PSW
Client Project ID:	N Wake Closed	Date Collected:	12/3/09
Lab Sample ID:	G175-726-15K	Date Received:	12/4/09
Lab Project ID:	G175-726	Matrix:	Water

Parameter	Result	RL	Units	Procedure	Date Analyzed
CO2	**53**	1	mg/L	SM4500 CO2 C	12/4/09 11:45

Note :
BQL = Below Quantitation Limit

Reviewed By: Co2

Results for Inorganics

Client Sample ID:	TB-1A	Analyzed By:	PSW
Client Project ID:	N Wake Closed	Date Collected:	12/3/09
Lab Sample ID:	G175-726-16K	Date Received:	12/4/09
Lab Project ID:	G175-726	Matrix:	Water

Parameter	Result	RL	Units	Procedure	Date Analyzed
CO2	**88**	1	mg/L	SM4500 CO2 C	12/4/09 11:58

Note :
BQL = Below Quantitation Limit

Reviewed By: Co2

Results for Inorganics

Client Sample ID:	MW-9	Analyzed By:	PSW
Client Project ID:	N Wake Closed	Date Collected:	12/3/09
Lab Sample ID:	G175-726-17K	Date Received:	12/4/09
Lab Project ID:	G175-726	Matrix:	Water

Parameter	Result	RL	Units	Procedure	Date Analyzed
CO2	**167**	1	mg/L	SM4500 CO2 C	12/4/09 12:05

Note :
BQL = Below Quantitation Limit

Reviewed By: Co2

Results for Organics
by EPA RSK-175

Client Sample ID:	MW-6	Analyzed By:	DTF
Client Project ID:	N Wake Closed	Date Collected:	12-03-2009 08:20
Lab Sample ID:	G175-726-11B	Date Received:	12-04-2009 08:45
Lab Project ID:	G175-726	Matrix:	Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Methane	**1560**	72	22.8	10	12-17-2009	
Ethane	BQL	200	39	10	12-17-2009	
Ethene	BQL	200	40.4	10	12-17-2009	

Reviewed By: _____

METHANE.XLS

Results for Organics
by EPA RSK-175

Client Sample ID:	MW-5R	Analyzed By:	DTF
Client Project ID:	N Wake Closed	Date Collected:	12-03-2009 10:10
Lab Sample ID:	G175-726-12C	Date Received:	12-04-2009 08:45
Lab Project ID:	G175-726	Matrix:	Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Methane	BQL	7.2	2.28	1	12-17-2009	
Ethane	BQL	20	3.9	1	12-17-2009	
Ethene	BQL	20	4.04	1	12-17-2009	

Reviewed By: _____

METHANE.XLS

Results for Organics
by EPA RSK-175

Client Sample ID:	MW-8	Analyzed By:	DTF
Client Project ID:	N Wake Closed	Date Collected:	12-03-2009 13:25
Lab Sample ID:	G175-726-13B	Date Received:	12-04-2009 08:45
Lab Project ID:	G175-726	Matrix:	Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Methane	**647**	72	22.8	10	12-17-2009	
Ethane	BQL	200	39	10	12-17-2009	
Ethene	BQL	200	40.4	10	12-17-2009	

Reviewed By: _____

METHANE.XLS

Results for Organics
by EPA RSK-175

Client Sample ID: MW-10
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-14B
Lab Project ID: G175-726

Analyzed By: DTF
Date Collected: 12-03-2009 14:20
Date Received: 12-04-2009 08:45
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Methane	**3110**	72	22.8	10	12-17-2009	
Ethane	BQL	200	39	10	12-17-2009	
Ethene	BQL	200	40.4	10	12-17-2009	

Reviewed By: _____

METHANE.XLS

Results for Organics
by EPA RSK-175

Client Sample ID:	MW-11	Analyzed By:	DTF
Client Project ID:	N Wake Closed	Date Collected:	12-03-2009 14:40
Lab Sample ID:	G175-726-15B	Date Received:	12-04-2009 08:45
Lab Project ID:	G175-726	Matrix:	Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Methane	BQL	7.2	2.28	1	12-17-2009	
Ethane	BQL	20	3.9	1	12-17-2009	
Ethene	BQL	20	4.04	1	12-17-2009	

Reviewed By: _____

METHANE.XLS

Results for Organics
by EPA RSK-175

Client Sample ID: TB-1A
Client Project ID: N Wake Closed
Lab Sample ID: G175-726-16B
Lab Project ID: G175-726

Analyzed By: DTF
Date Collected: 12-03-2009 15:00
Date Received: 12-04-2009 08:45
Matrix: Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Methane	BQL	7.2	2.28	1	12-17-2009	
Ethane	BQL	20	3.9	1	12-17-2009	
Ethene	BQL	20	4.04	1	12-17-2009	

Reviewed By: _____

METHANE.XLS

Results for Organics
by EPA RSK-175

Client Sample ID:	MW-9	Analyzed By:	DTF
Client Project ID:	N Wake Closed	Date Collected:	12-03-2009 15:50
Lab Sample ID:	G175-726-17B	Date Received:	12-04-2009 08:45
Lab Project ID:	G175-726	Matrix:	Water

Compound	Result ug/L	Quantitation Limit ug/L	MDL ug/L	Dilution Factor	Date Analyzed	Flag
Methane	**1740**	72	22.8	10	12-17-2009	
Ethane	BQL	200	39	10	12-17-2009	
Ethene	BQL	200	40.4	10	12-17-2009	

Reviewed By: _____

METHANE.XLS

Results for Metals

Client Sample ID:	MW-6	Analyzed By:	CRN
Client Project ID:	N Wake Closed	Date Collected:	12/3/2009 08:20
Lab Sample ID:	G175-726-11T	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	Water

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed
Ferrous Iron	**2.12**	0.200	0.0250	1.00	MG/L	SM3500-Fe	12/16/2009

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Value between MDL and Report Limit

Reviewed By: _____
FE2.XLS

Results for Metals

Client Sample ID:	MW-5R	Analyzed By:	CRN
Client Project ID:	N Wake Closed	Date Collected:	12/3/2009 10:10
Lab Sample ID:	G175-726-12T	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	Water

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed
Ferrous Iron	BQL	0.200	0.0250	1.00	MG/L	SM3500-Fe	12/16/2009

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Value between MDL and Report Limit

Reviewed By: _____
FE2.XLS

Results for Metals

Client Sample ID:	MW-8	Analyzed By:	CRN
Client Project ID:	N Wake Closed	Date Collected:	12/3/2009 13:25
Lab Sample ID:	G175-726-13T	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	Water

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed
Ferrous Iron	**0.880**	0.200	0.0250	1.00	MG/L	SM3500-Fe	12/16/2009

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Value between MDL and Report Limit

Reviewed By: _____
FE2.XLS

Results for Metals

Client Sample ID:	MW-10	Analyzed By:	CRN
Client Project ID:	N Wake Closed	Date Collected:	12/3/2009 14:20
Lab Sample ID:	G175-726-14T	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	Water

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed
Ferrous Iron	**0.950**	0.200	0.0250	1.00	MG/L	SM3500-Fe	12/16/2009

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Value between MDL and Report Limit

Reviewed By: CRN
FE2.XLS

Results for Metals

Client Sample ID:	MW-11	Analyzed By:	CRN
Client Project ID:	N Wake Closed	Date Collected:	12/3/2009 14:40
Lab Sample ID:	G175-726-15T	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	Water

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed
Ferrous Iron	BQL	0.200	0.0250	1.00	MG/L	SM3500-Fe	12/16/2009

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Value between MDL and Report Limit

Reviewed By: _____
FE2.XLS

Results for Metals

Client Sample ID:	TB-1A	Analyzed By:	CRN
Client Project ID:	N Wake Closed	Date Collected:	12/3/2009 15:00
Lab Sample ID:	G175-726-16T	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	Water

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed
Ferrous Iron	**4.70**	2.00	0.250	10.00	MG/L	SM3500-Fe	12/16/2009

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Value between MDL and Report Limit

Reviewed By: _____
FE2.XLS

Results for Metals

Client Sample ID:	MW-9	Analyzed By:	CRN
Client Project ID:	N Wake Closed	Date Collected:	12/3/2009 15:50
Lab Sample ID:	G175-726-17T	Date Received:	12/4/2009
Lab Project ID:	G175-726	Matrix:	Water

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed
Ferrous Iron	**14.8**	2.00	0.250	10.00	MG/L	SM3500-Fe	12/16/2009

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Value between MDL and Report Limit

Reviewed By: FE2.XLS

Analytical Results

Client Sample ID:	MW-6	Date Collected:	2009-12-03 08:20:00
Client Project ID:	N Wake Closed	Date Received:	2009-12-04 08:45:00
Lab Sample ID:	G175-726-11	Matrix:	Water
Lab Project ID:	G175-726		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Acetic Acid	BQL	1.0	mg/L	AM21G	12/16/09	Microseeps
Butyric Acid	BQL	1.0	mg/L	AM21G	12/16/09	Microseeps
Lactic Acid	BQL	25.0	mg/L	AM21G	12/16/09	Microseeps
Propionic Acid	BQL	1.0	mg/L	AM21G	12/16/09	Microseeps
Pyruvic Acid	BQL	10.0	mg/L	AM21G	12/16/09	Microseeps
Chloride	**175**	5	mg/L	EPA 300.0	12/10/09	Element One
Sulfate	**8.66**	0.1	mg/L	EPA300.0	12/10/09	EONE
Alkalinity	**507**	1.0	mg/L	SM 2320B	12/11/09	Element One
Sulfide	BQL	0.05	mg/L	SM 4500S2D	12/07/09	Element One
BOD	**2**	2	mg/L	SM 5210B	12/04/09	Element One
COD	**71.5**	12.5	mg/L	SM 5220D	12/04/09	Element One

Comments

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

Reviewed By: subout

SGS North America, Inc.

Analytical Results

Client Sample ID:	MW-5R	Date Collected:	2009-12-03 10:10:00
Client Project ID:	N Wake Closed	Date Received:	2009-12-04 08:45:00
Lab Sample ID:	G175-726-12	Matrix:	Water
Lab Project ID:	G175-726		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Acetic Acid	BQL	1.0	mg/L	AM21G	12/16/09	Microseeps
Butyric Acid	BQL	1.0	mg/L	AM21G	12/16/09	Microseeps
Lactic Acid	BQL	25.0	mg/L	AM21G	12/16/09	Microseeps
Propionic Acid	BQL	1.0	mg/L	AM21G	12/16/09	Microseeps
Pyruvic Acid	BQL	10.0	mg/L	AM21G	12/16/09	Microseeps
Chloride	**1.34**	1	mg/L	EPA 300.0	12/10/09	Element One
Sulfate	**7.29**	0.1	mg/L	EPA300.0	12/10/09	EONE
Alkalinity	**61.9**	1.0	mg/L	SM 2320B	12/11/09	Element One
Sulfide	BQL	0.05	mg/L	SM 4500S2D	12/07/09	Element One
BOD	BQL	2	mg/L	SM 5210B	12/04/09	Element One
COD	**16.4**	12.5	mg/L	SM 5220D	12/04/09	Element One

Comments

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

Reviewed By: subbut

SGS North America, Inc.

Analytical Results

Client Sample ID:	MW-8	Date Collected:	2009-12-03 13:25:00
Client Project ID:	N Wake Closed	Date Received:	2009-12-04 08:45:00
Lab Sample ID:	G175-726-13	Matrix:	Water
Lab Project ID:	G175-726		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Acetic Acid	BQL	1.0	mg/L	AM21G	12/16/09	Microseeps
Butyric Acid	BQL	1.0	mg/L	AM21G	12/16/09	Microseeps
Lactic Acid	BQL	25.0	mg/L	AM21G	12/16/09	Microseeps
Propionic Acid	BQL	1.0	mg/L	AM21G	12/16/09	Microseeps
Pyruvic Acid	BQL	10.0	mg/L	AM21G	12/16/09	Microseeps
Chloride	**6.09**	1	mg/L	EPA 300.0	12/10/09	Element One
Sulfate	**1.07**	0.1	mg/L	EPA300.0	12/10/09	EONE
Alkalinity	**63.5**	1.0	mg/L	SM 2320B	12/11/09	Element One
Sulfide	BQL	0.05	mg/L	SM 4500S2D	12/07/09	Element One
BOD	BQL	2	mg/L	SM 5210B	12/04/09	Element One
COD	**20.4**	12.5	mg/L	SM 5220D	12/04/09	Element One

Comments

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

Reviewed By:
subout

SGS North America, Inc.

Analytical Results

Client Sample ID:	MW-10	Date Collected:	2009-12-03 14:20:00
Client Project ID:	N Wake Closed	Date Received:	2009-12-04 08:45:00
Lab Sample ID:	G175-726-14	Matrix:	Water
Lab Project ID:	G175-726		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Acetic Acid	BQL	1.0	mg/L	AM21G	12/16/09	Microseeps
Butyric Acid	BQL	1.0	mg/L	AM21G	12/16/09	Microseeps
Lactic Acid	BQL	25.0	mg/L	AM21G	12/16/09	Microseeps
Propionic Acid	BQL	1.0	mg/L	AM21G	12/16/09	Microseeps
Pyruvic Acid	BQL	10.0	mg/L	AM21G	12/16/09	Microseeps
Chloride	**2.69**	1	mg/L	EPA 300.0	12/10/09	Element One
Sulfate	**0.624**	0.1	mg/L	EPA300.0	12/22/09	EONE
Alkalinity	**112**	1.0	mg/L	SM 2320B	12/11/09	Element One
Sulfide	BQL	0.05	mg/L	SM 4500S2D	12/07/09	Element One
BOD	**3**	2	mg/L	SM 5210B	12/04/09	Element One
COD	**28.3**	12.5	mg/L	SM 5220D	12/04/09	Element One

Comments

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

Reviewed By:

subout.xls

SGS North America, Inc.

Analytical Results

Client Sample ID:	MW-11	Date Collected:	2009-12-03 14:40:00
Client Project ID:	N Wake Closed	Date Received:	2009-12-04 08:45:00
Lab Sample ID:	G175-726-15	Matrix:	Water
Lab Project ID:	G175-726		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Acetic Acid	BQL	1.0	mg/L	AM21G	12/17/09	Microseeps
Butyric Acid	BQL	1.0	mg/L	AM21G	12/17/09	Microseeps
Lactic Acid	BQL	25.0	mg/L	AM21G	12/17/09	Microseeps
Propionic Acid	BQL	1.0	mg/L	AM21G	12/17/09	Microseeps
Pyruvic Acid	BQL	10.0	mg/L	AM21G	12/17/09	Microseeps
Chloride	**2.92**	1	mg/L	EPA 300.0	12/10/09	Element One
Sulfate	**0.381**	0.1	mg/L	EPA300.0	12/22/09	EONE
Alkalinity	**22.5**	1.0	mg/L	SM 2320B	12/11/09	Element One
Sulfide	BQL	0.05	mg/L	SM 4500S2D	12/07/09	Element One
BOD	**2**	2	mg/L	SM 5210B	12/04/09	Element One
COD	**91.5**	12.5	mg/L	SM 5220D	12/04/09	Element One

Comments

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

Reviewed By:
subout xls

SGS North America, Inc.

Analytical Results

Client Sample ID:	TB-1A	Date Collected:	2009-12-03 15:00:00
Client Project ID:	N Wake Closed	Date Received:	2009-12-04 08:45:00
Lab Sample ID:	G175-726-16	Matrix:	Water
Lab Project ID:	G175-726		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Acetic Acid	BQL	1.0	mg/L	AM21G	12/17/09	Microseeps
Butyric Acid	BQL	1.0	mg/L	AM21G	12/17/09	Microseeps
Lactic Acid	BQL	25.0	mg/L	AM21G	12/17/09	Microseeps
Propionic Acid	BQL	1.0	mg/L	AM21G	12/17/09	Microseeps
Pyruvic Acid	BQL	10.0	mg/L	AM21G	12/17/09	Microseeps
Chloride	**12.7**	1	mg/L	EPA 300.0	12/10/09	Element One
Sulfate	**11.9**	0.1	mg/L	EPA300.0	12/10/09	EONE
Alkalinity	**61.6**	1.0	mg/L	SM 2320B	12/11/09	Element One
Sulfide	BQL	0.05	mg/L	SM 4500S2D	12/07/09	Element One
BOD	BQL	2	mg/L	SM 5210B	12/04/09	Element One
COD	**20.4**	12.5	mg/L	SM 5220D	12/04/09	Element One

Comments

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

Reviewed By: _____
subout

SGS North America, Inc.

Analytical Results

Client Sample ID:	MW-9	Date Collected:	2009-12-03 15:50:00
Client Project ID:	N Wake Closed	Date Received:	2009-12-04 08:45:00
Lab Sample ID:	G175-726-17	Matrix:	Water
Lab Project ID:	G175-726		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Acetic Acid	BQL	1.0	mg/L	AM21G	12/17/09	Microseeps
Butyric Acid	BQL	1.0	mg/L	AM21G	12/17/09	Microseeps
Lactic Acid	BQL	25.0	mg/L	AM21G	12/17/09	Microseeps
Propionic Acid	BQL	1.0	mg/L	AM21G	12/17/09	Microseeps
Pyruvic Acid	BQL	10.0	mg/L	AM21G	12/17/09	Microseeps
Chloride	**20.5**	1	mg/L	EPA 300.0	12/10/09	Element One
Sulfate	**4.31**	0.1	mg/L	EPA300.0	12/10/09	EONE
Alkalinity	**233**	1.0	mg/L	SM 2320B	12/11/09	Element One
Sulfide	BQL	0.05	mg/L	SM 4500S2D	12/07/09	Element One
BOD	BQL	2	mg/L	SM 5210B	12/04/09	Element One
COD	**44.1**	12.5	mg/L	SM 5220D	12/04/09	Element One

Comments

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

Reviewed By: subout

SGS

SGS Environmental Services Inc.
CHAIN OF CUSTODY RECORD

Locations Nationwide
- Alaska
- New Jersey
- North Carolina
- West Virginia
- Maryland
- New York
- Ohio

www.us.sgs.com

(1)

CLIENT: CDM

CONTACT: Mat Colone PHONE NO: 919 - 325 - 3500

PROJECT: N Wake Closed SITE/PWSID#:

REPORTS TO: Mat Colone EMAIL: on file

INVOICE TO: Aaron Weisperming QUOTE #: P.O. #:

SGS Reference #: G175-726

page 1 of 2

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/ MATRIX CODE	# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples	App II VOC's	App I Metals + Hg	App I Metals							REMARKS/ LOC ID
Preservatives Used							HCl	HNO_3	HNO_3							
Analysis Required (3)																
1	MW-31d	12/2/09	955	W	4	G	3	1								- report results according to soil & waste sample limits
2	MW-29d	12/2/09	1120	W	4	G	3	1								
3	MW-36d	12/2/09	1250	W	4	G	3	1								- report "J" value
4	SW-3	12/2/09	1410	W	4	G	3		1							- provide edd in SWF format
5	SW-8	12/2/09	1430	W	4	G	3		1							
6	MW-14	12/2/09	1445	W	4	G	3	1								
7	SW-2	12/2/09	1500	W	4	G	3		1							
8	SW-7	12/2/09	1515	W	4	G	3		1							
9	MW-7	12/2/09	1535	W	4	G	3	1								
10	MW-6d	12/3/09	855	W	4	G	3	1								

(5)

Collected/Relinquished By: (1)	Date	Time	Received By:
[signature]	12/3/09	1620	Nathan Beauchamp
Relinquished By: (2)	Date	Time	Received By:
Nathan Beauchamp	12/4/09	0845	[signature]
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received For Laboratory By:

(4)

DOD Project? YES NO

Cooler ID _____

Special Deliverable Requirements:

Requested Turnaround Time and-or Special Instructions:

Standard Turnaround

Samples Received Cold? YES NO

Temperature°C: Cooler 2.9, 2.1, TB 2.5

Chain of Custody Seal: (Circle)

INTACT BROKEN ABSENT

SGS North Analytical Inc.

N.C. Certification #481

❑ 200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
❑ 550 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

http://www.sgs.com/terms and conditions.htm

White - Retained by Lab
Pink - Retained by Client

SGS Environmental Services Inc.
CHAIN OF CUSTODY RECORD

Locations Nationwide
- Alaska
- New Jersey
- North Carolina
- West Virginia
- Maryland
- New York
- Ohio

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(1)

CLIENT: CDM

CONTACT: Mat Colone PHONE NO: 919-325-3500

PROJECT: N Wake Closed SITE/PWSID#:

REPORTS TO: Mat Colone EMAIL: on file

INVOICE TO: Aaron Weisperning QUOTE #: P.O. #:

SGS Reference #: 6175-726

page 2 of 2

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/ MATRIX CODE	# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples	App II VOC's	App I Metals + Hg	BOD	COD	Alkalinity, Chlorides, Sulfate, Nitrate	Sulfide	TOC	CO2	Methane, Ethane, Ethene	Ferrous Iron	V. Fatty Acids	REMARKS/ LOC ID
Preservatives Used							HCl	HNO3	–	H2SO4	–	NaOH	HCl	–	–	HCl	–	
(3) Analysis Required																		
11	MW-6	12/3/09	820	W	16	G	3	1	1	1	1	1	2	1	2	1	2	-report results without flags
12	MW-5R	12/3/09	1010	W	16	G	3	1	1	1	1	1	2	1	2	1	2	to SQL with sample limits
13	MW-8	12/3/09	1325	W	16	G	3	1	1	1	1	1	2	1	2	1	2	-Report "J" values
14	MW-10	12/3/09	1420	W	16	G	3	1	1	1	1	1	2	1	2	1	2	-provide edd in SGS format
15	MW-11	12/3/09	1440	W	16	G	3	1	1	1	1	1	2	1	2	1	2	-MW-6 CO_2 collected
16	TB-1A	12/3/09	1500	W	16	G	3	1	1	1	1	1	2	1	2	1	2	at 1355 on 12/3/09
17	MW-9	12/3/09	1550	W	16	G	3	1	1	1	1	1	2	1	2	1	2	-MW-5R COD collected
18	TRIP Blank	12/3/09	—	W	2	G	2											at 1350 on 12/3/09

(5)

Collected/Relinquished By: (1)	Date	Time	Received By:
[signature]	12/3/09	1620	[signature]
Relinquished By: (2) [signature]	Date 12/4/09	Time 0945	Received By: [signature]
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received For Laboratory By:

(4)

DOD Project? YES NO

Cooler ID _____

Special Deliverable Requirements:

Requested Turnaround Time and-or Special Instructions:

Standard turnaround

Samples Received Cold? (YES) NO

Temperature°C: Cooler 2.9, 2.0, 2.5 TB

Chain of Custody Seal: (Circle)

INTACT BROKEN (ABSENT)

❑ 200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
❑ 550 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

http://www.sgs.com/terms and conditions.htm

White - Retained by Lab
Pink - Retained by Client

Mr. Mat Colone
Camp, Dresser & McKee
5400 Glenwood Avenue
Suite 300
Raleigh NC 27612
Report Number: G175-727

Client Project: N Wake Closed

Dear Mr. Colone:

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call SGS at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS Environmental Services for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS Environmental Services, Inc.

Lori Lockamy 22 December 2009
Project Manager Date
Lori Lockamy

List of Reporting Abbreviations
And Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantification Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

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/CL = Reporting Limit / Control Limit

RPD = Relative Percent Difference

UJ = Target analytes with recoveries that are 10% < %R < LCL; # of MEs are allowable and compounds are not detected in the sample.

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.

MI34.021808.4

SGS North America, Inc.

Analytical Results

Client Sample ID:	MW-6	Date Collected:	2009-12-03 09:00:00
Client Project ID:	N Wake Closed	Date Received:	2009-12-04 08:41:00
Lab Sample ID:	G175-727-1	Matrix:	Air
Lab Project ID:	G175-727		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
N Hydrogen	**2.300**	0.600	nM	AM20GAX	12/14/09	Microseeps

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

Reviewed By: _____
subout.xls

SGS North America, Inc.

Analytical Results

Client Sample ID:	MW-5R	Date Collected:	2009-12-03 10:30:00
Client Project ID:	N Wake Closed	Date Received:	2009-12-04 08:41:00
Lab Sample ID:	G175-727-2	Matrix:	Air
Lab Project ID:	G175-727		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
N Hydrogen	**2.700**	0.600	nM	AM20GAX	12/17/09	Microseeps

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

Reviewed By: _____
subout.xls

SGS North America, Inc.

Analytical Results

Client Sample ID:	MW-8	Date Collected:	2009-12-03 13:45:00
Client Project ID:	N Wake Closed	Date Received:	2009-12-04 08:41:00
Lab Sample ID:	G175-727-3	Matrix:	Air
Lab Project ID:	G175-727		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
N Hydrogen	**2.100**	0.600	nM	AM20GAX	12/17/09	Microseeps

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

Reviewed By: _____
subout.xls

Microseeps Lab. Proj. # G175-727

CHAIN - OF - CUSTODY RECORD

Microseeps COC cont. # 160

Phone: (412) 826-5245 | Microseeps, Inc. - 220 William Pitt Way - Pittsburgh, PA 15238 | Fax No. : (412) 826-3433

Company : CDM

Co. Address : 5400 Glenwood Ave, Raleigh NC 27612

Phone # : 919-325-3500 Fax # : On File

Proj. Manager : Mat Colone

Proj. Name/Number : N Wake Closed

Sampler's signature : [signature]

Cooler Temp.

Results to : CDM

Invoice to : CDM

Parameters Requested: Dissolved Hydrogen

Sample ID	Sample Description	Sample Type Water	Vapor	Solid	Date	Time	# bottles	Dissolved Hydrogen	Remarks :
MW-6			X		12/3/09	900	1	X	Ambient 19.1°C
MW-5R			X		12/3/09	1030	1	X	no custody seal
MW-8			X		12/3/09	1345	1	X	

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
[signature]	CDM	12/3/09	1620	Nathan Beauchamp			
Nathan Beauchamp	SGS	12/4/09	0840	[signature]	SGS	12/4/09	0841
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Accompany Samples YELLOW COPY : Laboratory File PINK COPY : Submitter

N.C. Certification #481

SGS North America, Inc.