PROPERTY ADVISORY SERVICES, INC.

PROPERTY MANAGEMENT
REAL ESTATE FINANCE
DEVELOPMENT
CONSULTING

July 20, 2011

Mr. Christopher Hamblet
S&ME, Inc.
3201 Spring Forest Road
Raleigh, NC 27616

Dear Chris:

Please find enclosed the latest Groundwater Monitoring Report for Erwin Square Land. Should you have any questions, please do not hesitate to contact me.

With best wishes,

Sincerely,

PROPERTY ADVISORY SERVICES, INC.

Rodney Allison

2020 WEST MAIN STREET, SUITE 300 DURHAM, NORTH CAROLINA 27705 (919) 286-3321

July 19, 2011

Ms. Charlotte Jesneck
NCDENR, Inactive Hazardous Sites Branch, Superfund Section
401 Oberlin Road, Suite 150
Raleigh, NC 27605

Subject: **GROUNDWATER MONITORING REPORT**
ERWIN SQUARE SITE
(FORMER BURLINGTON INDUSTRIES TEXTILE MILL)
2200 WEST MAIN STREET
IHSB ID#: NONCD0001404

Dear Ms. Jesneck:

At the request of Mr. Holt Gwyn of Conner Gwyn Schenck PLLC, counsel for the agent of the property owner, SCI Duke Fund 11, LLC, Mid-Atlantic Associates visited the subject site in April of 2011 to collect groundwater samples from the on-site groundwater monitoring system for laboratory analysis. The enclosed report summarizes our findings in regards to the current status of impacted groundwater at the site. We are presently considering whether to enter the site into the Inactive Hazardous Sites Branch.

If you have any questions, please contact me at (919) 250-9918.

Sincerely,

MID-ATLANTIC ASSOCIATES, INC.

Thomas A. Proctor, P.G.
Principal Environmental Geologist

cc: Mr. Holt Gwyn, Conner Gwyn Schenck PLLC, 306 East Market Street, Suite One, Greensbo
North Carolina 27401
Julie Harvin, 2200 West Main Street, Durham NC 27705

MID-ATLANTIC
ASSOCIATES, INC.
Engineering & Environmental Solutions
409 Rogers View Court / Raleigh / North Carolina / 27610
800-486-7568 / 919-250-9918 / 919-250-9950 Facsimile
www.MAAonline.com

July 19, 2011

Mr. A. Holt Gwyn
Conner Gwyn Schenck PLLC
306 East Market Street, Suite One
Greensboro, North Carolina 27401

Subject: **GROUNDWATER MONITORING REPORT**
ERWIN SQUARE
(FORMER BURLINGTON INDUSTRIES TEXTILE MILL)
2200 WEST MAIN STREET
DURHAM, NORTH CAROLINA
GROUNDWATER INCIDENT NO.: 20604

Dear Mr. Gwyn:

Mid-Atlantic Associates, Inc. (Mid-Atlantic) is pleased to present this report of environmental services for the Former Burlington Industries Textile Mill located at 2200 West Main Street, Durham, Durham County, North Carolina. The former mill has been demolished and the site is now referred to as the Erwin Square property.

A site map showing the former mill site and the groundwater monitoring system is included as Drawing 1. This map represents conditions from 2005, before the present day construction had been completed. A release from a former on-site waste-oil UST system and pit was reportedly discovered during site demolition activities between 1987 and 1999. Based upon historical sampling results, 1,1-dichloroethene (1,1-DCE) appears to be the remaining primary constituent of concern in the groundwater at the site. According to a December 13, 2000 letter from the Groundwater Section of NCDENR, the use of natural attenuation as a remedial alternative was approved. To monitor the effectiveness of natural attenuation, the Groundwater Section required quarterly sampling and analysis of all existing monitoring wells during 2001, and semi-annual sampling to be completed in the years 2002 and 2003. The last known groundwater sampling event prior to this event occurred in January of 2005. The historical analytical results since 2001 are summarized in Table 1.

A Mid-Atlantic technician mobilized to the site on April 1, 2011 to collect representative samples from the groundwater wells that had previously exhibited detectable concentrations of analytes in excess of their regulatory standards. The technician returned to the site on April 21 to sample wells MW-1D, -2, and -3 as they could not be located during the initial visit. Subsequent to opening the wells to allow time for the water levels to equilibrate, depth-to-groundwater measurements were collected using an electronic water-level indicator. Water level measurements and groundwater elevations are provided in Table 2. As shown on Drawing 2, the shallow groundwater below the site is migrating in a northwesterly and northerly direction. This flow direction is consistent with the site's topography and with previous groundwater flow direction determinations.

Subsequent to measuring the depth to water in the wells, the ten wells to be sampled were purged a minimum of three well volumes, or until the well exhibited dryness, using new, disposable polyethylene bailers. New nitrile gloves were worn during sampling of each well. The groundwater samples were decanted from the bailers into new pre-labeled, laboratory-supplied containers. In addition to the groundwater samples, a duplicate sample (from well MW-4) and one trip blank were also collected for analysis. The samples were then placed on ice and transported under chain-of-custody to SGS Analytical Laboratories, Inc. in Wilmington, North Carolina for analysis. The water samples were analyzed for the presence of volatile organic compounds (VOCs) according to EPA Method 601. Copies of the laboratory analytical report and chain-of-custody record are provided in the Appendix and the laboratory results are summarized in Table 1. Based upon these results and our review of the historical groundwater data from the site:

- Neither carbon tetrachloride nor chloroform exhibited concentrations in excess of their respective Carolina Groundwater Quality Standard (NCGQS).

- 1,1-DCE was detected at concentrations in excess of its NCGQS of 7 ug/L in the samples collected from monitoring wells MW-1, -2, -3, -4, -7, -8, and -14. An isoconcentration map for 1,1-DCE in the shallow aquifer is provided as Drawing 3.

- The 1,1-DCE shallow groundwater contaminant plume appears to be contained within the monitoring well network and is similar in size to the contaminant plume estimated from the 2005 sampling event.

- Concentrations of 1,1-DCE within the center of the plume (wells MW-1, -2, and -4) have remained relatively consistent since the 2005 event, with the exception of well MW-1, where concentrations have decreased.

- Samples from wells MW-2 and -4 exhibited 1,1-DCE concentrations in excess of the North Carolina Inactive Hazardous Substances Branch (IHSB) residential screening level for potential Vapor Intrusion (VI) concerns to residential space within 100 feet of the contaminant plume.

- The sample result from MW-14, which is located along the eastern edge of the 1,1-DCE plume, has continued to increase since 2001.

- Concentrations of 1,1-DCE in the sample collected from MW-1D are now less than the NCGQS for only the second time since 2001.

A copy of this report should be sent to the Raleigh Regional Office of the Groundwater Section of the North Carolina Division of Environment and Natural Resources and the Inactive Hazardous Sites Branch of the Division of Waste Management. The opinions included herein are based on our experience and the information obtained during the study. This report is based on limited observations made on the dates noted using the procedures described herein. If additional information becomes available, we request the opportunity to review the information, reassess the potential environmental concerns and modify our conclusions and recommendations, if appropriate. Please contact us at (919) 250-9918 if any questions arise or if we may be of further service.

Sincerely,

MID-ATLANTIC ASSOCIATES, INC.

Thomas A. Proctor

Thomas A. Proctor, P.G.
Principal Environmental Geologist

DRAWINGS

Drawing 1	Site and Monitoring Well Location Map
Drawing 2	Estimated Water Table Contour Map (March 2011)
Drawing 3	Estimated Isoconcentration Map – 1,1-Dichloroethene in Shallow Groundwater (April 2011)

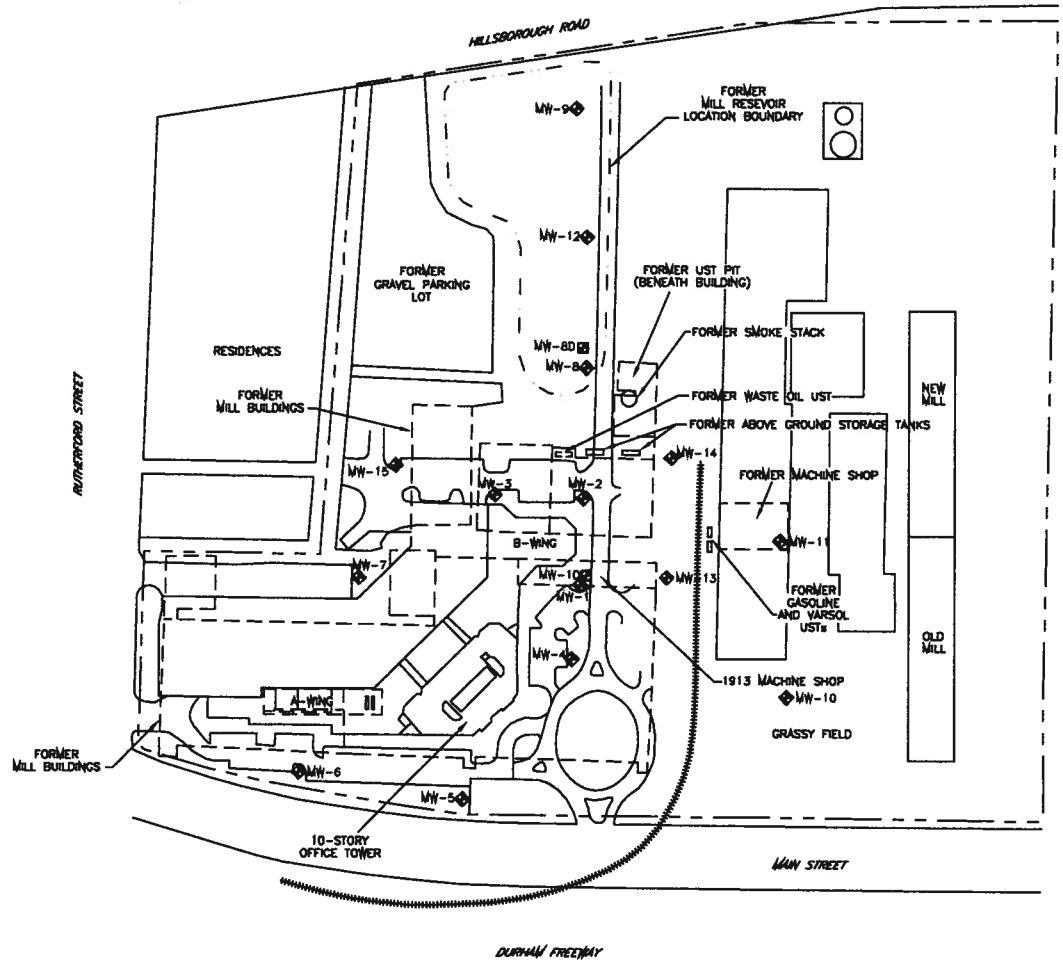
TABLES

Table 1	Summary of Chemical Constituents Detected in Groundwater
Table 2	Summary of Groundwater Elevation Data

APPENDIX	Laboratory Analytical Reports and Chains-of-Custody Record for Groundwater Samples

DRAWINGS

MID-ATLANTIC
ASSOCIATES, INC.
Engineering & Environmental Solutions



LEGEND

MW-1	SHALLOW MONITORING WELL LOCATION
MW-1D	DEEP MONITORING WELL LOCATION
	FORMER RAILROAD SPUR
	PROPERTY BOUNDARY

NOTE:
SHADED DASHED LINES INDICATE FORMER MILL BUILDINGS.

0 200'
SCALE: 1" = 200'

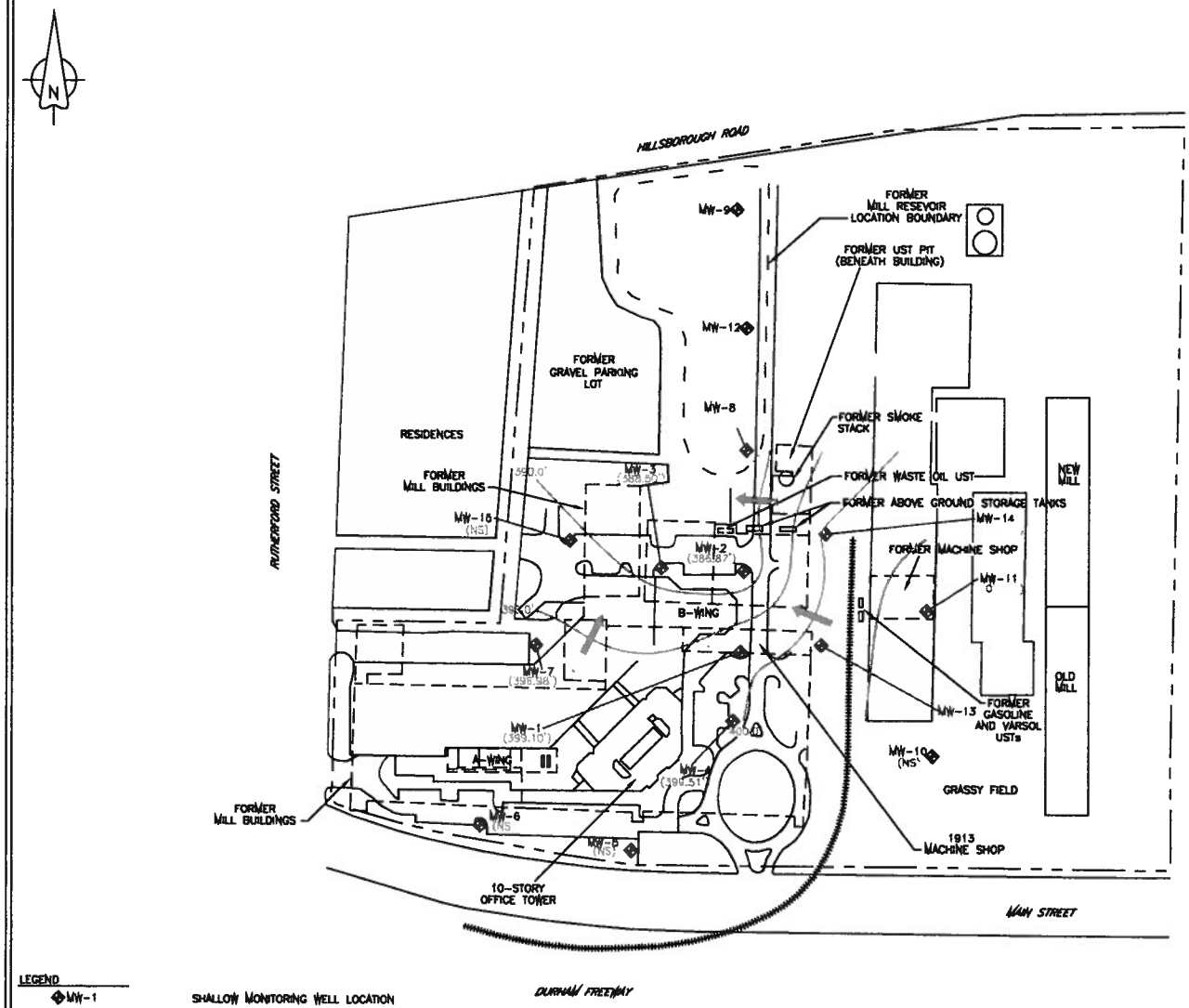
DRAWN BY:
DRAFTING CHECK BY:
ENGINEER CHECK BY:
APPROVED BY:

DATE: MAY 2011
JOB NO: 000R1393.00
CAD # 01-139322
DWG NO: 1

SITE AND
MONITORING WELL LOCATION MAP
ERWIN SQUARE SITE
DURHAM, NORTH CAROLINA

MID-ATLANTIC ASSOCIATES, INC.
Engineering & Environmental Solutions

REFERENCE: FEBRUARY 2001, LAW ENGINEERING AND ENVIRONMENTAL SERVICES, INC. RALEIGH, NC., MAA FIELD NOTES, APRIL 2011.



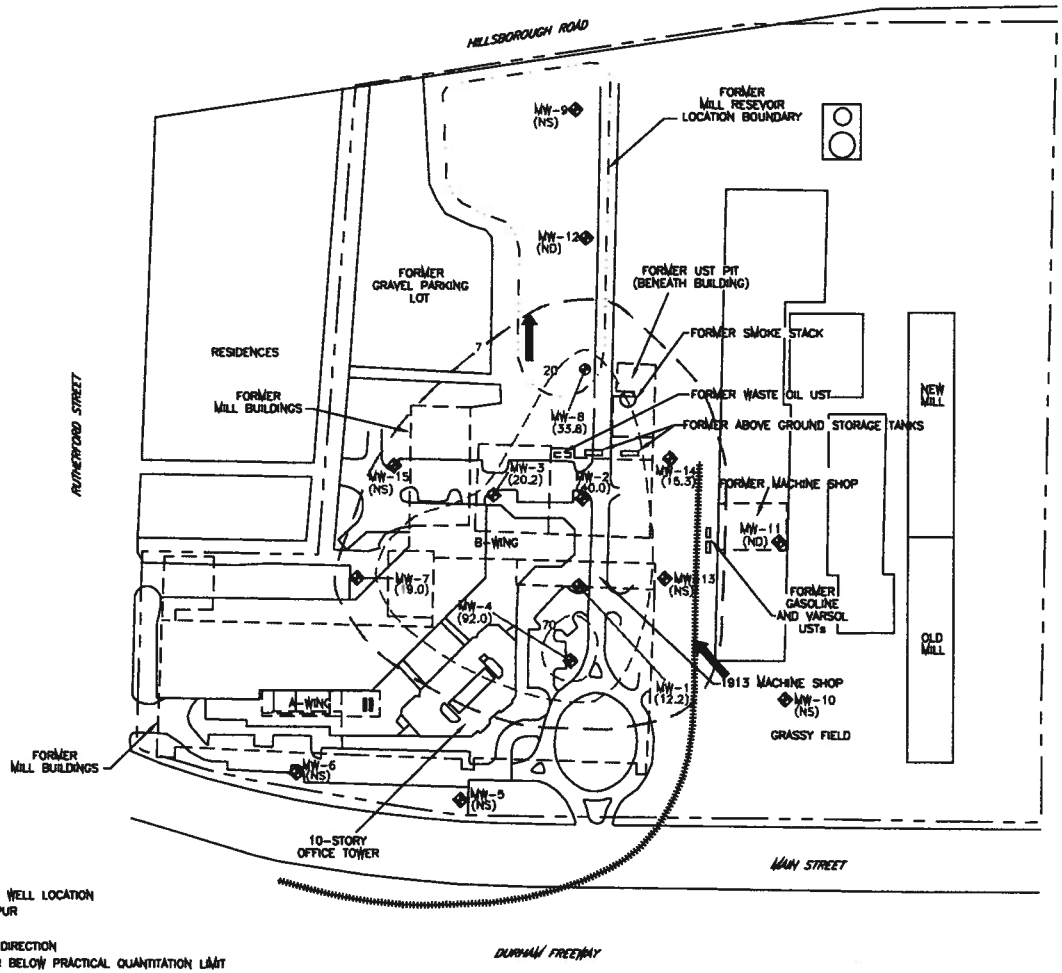
DRAWN BY:
DRAFTING CHECK BY:
ENGINEER CHECK BY:
APPROVED BY:

DATE: MAY 2011
JOB NO: 000R1393.00
CAD # 01-139323
DWG NO: 2

ESTIMATED SHALLOW WATER TABLE CONTOUR MAP (APRIL 2011)
ERWIN SQUARE SITE
DURHAM, NORTH CAROLINA

MID-ATLANTIC ASSOCIATES, INC.
Engineering & Environmental Solutions

REFERENCE: FEBRUARY 2001, LAW ENGINEERING AND ENVIRONMENTAL SERVICES, INC. RALEIGH, NC., MAA FIELD NOTES, APRIL 2011.



LEGEND

MW-1	SHALLOW MONITORING WELL LOCATION
	FORMER RAILROAD SPUR
	PROPERTY BOUNDARY
	GROUNDWATER FLOW DIRECTION
BQL	NOT DETECTED AT OR BELOW PRACTICAL QUANTITATION LIMIT
ug/L	MICROGRAMS PER LITER
(ND)	NOT DETECTED
(NS)	WELL NOT SAMPLED
(92.0)	1,1-DICHLOROETHENE CONCENTRATION AT LOCATION (ug/L)
20	ESTIMATED 1,1-DICHLOROETHENE ISOCONCENTRATION CONTOUR
7	N.C. GROUNDWATER QUALITY STANDARD FOR 1,1-DICHLOROETHENE

NOTE:
SHADED DASHED LINES INDICATE FORMER MILL BUILDINGS.

0 200'
SCALE: 1" = 200'

DRAWN BY:
DRAFTING CHECK BY:
ENGINEER CHECK BY:
APPROVED BY:

DATE: MAY 2011
JOB NO: 000R1393.00
CAD # 01-139324
DWG NO: 3

ESTIMATED ISOCONCENTRATION MAP
1,1-DICHLOROETHENE IN SHALLOW GROUNDWATER (APRIL 2011)
ERWIN SQUARE SITE
DURHAM, NORTH CAROLINA

MID-ATLANTIC ASSOCIATES, INC.
Engineering & Environmental Solutions

REFERENCE: FEBRUARY 2001, LAW ENGINEERING AND ENVIRONMENTAL SERVICES, INC. RALEIGH, NC., MAA FIELD NOTES, APRIL 2011.

TABLES

TABLE 1
SUMMARY OF CHEMICAL CONSTITUENT DETECTED IN GROUNDWATER
ERWIN SQUARE SITE
DURHAM, NORTH CAROLINA
MID-ATLANTIC JOB NO. 000R1393.00

GCL (ug/L)		NA	50000	NA	70000	20000	61500	6000	6000	7000	2000000	30000
NCGQS (ug/L)		0.3	50	3000	70	20	200	6	6	7	2000	30
IHSB GW Screening Level (Industrial) in ug/L		7.5	340	NA	35	2300	NA	110	330	160	160	NA
IHSB GW Screening Level (Residential) in ug/L		3.7	80	NA	7.3	540	NA	22	65	38	37	NA
Well Number	Sample Date	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	1,2-Dichlorobenzene (ug/L)	1,3-Dichlorobenzene (ug/L)	1,4-Dichlorobenzene (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Trichlorofluoro-methane (ug/L)	Phenol (ug/L)
MW-1	5/4-5/01	NA	BQL	7.8	NA	BQL	BQL	BQL	19	190	25	BQL
	8/6/2002	BQL	BQL	BQL	1	BQL	BQL	BQL	14	160	25	BQL
	7/22/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	180	29	17
	6/3/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	16.3	94.5	10.3	BQL
	1/26/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	12.3	208	18.1	BQL
	4/1/2011	ND	ND	ND	1.54	ND	ND	ND	ND	12.2	1.65	ND
MW-1D	5/4-5/01	NA	BQL	BQL	NA	BQL	BQL	BQL	BQL	8.1	BQL	NS
	8/6/2002	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	5.5	BQL	NS
	7/22/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	7.7	BQL	NS
	6/3/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.271 J	11.4	BQL	NS
	1/26/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	14.1	BQL	NS
	4/21/2011	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.500	BQL	NS
MW-2	5/4-5/01	NA	BQL	BQL	NA	BQL	BQL	BQL	14	88	4.4	BQL
	8/6/2002	BQL	BQL	BQL	1	BQL	BQL	BQL	6.8	52	2.5	BQL
	7/22/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	6.8	47	4.9	BQL
	6/13/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	7.42	37.4	4.04	BQL
	1/26/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	4.8	49.5	1.56 J	BQL
	4/21/2011*	BQL	BQL	BQL	0.520	BQL	BQL	BQL	6.94	40.0	6.26	NS
MW-2 dup	5/4-5/01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	BQL
	8/6/2002	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	BQL
	7/22/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	5.7	36	BQL	NS
	6/3/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	7.22	37.8	4.26	NS
	1/26/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	5.53	49.7	1.8 J	NS
MW-3	5/4-5/01	NA	40	BQL	NA	420	5.5	25	2.6	110	BQL	NS
	8/6/2002	BQL	12	BQL	BQL	140	1.6	8.8	12	47	1.3	NS
	7/22/2003	BQL	6.3	BQL	BQL	68	BQL	BQL	8.2	34	BQL	NS
	6/4/2004	BQL	4.5	BQL	BQL	51.1	BQL	1.29	9.68	33.9	6.12	NS
	1/26/2005	BQL	BQL	BQL	BQL	19.6	BQL	BQL	9.72	64.1	4.04	NS
	4/21/2011	BQL	1.52	BQL	BQL	19.1	BQL	1.19	3.62	20.2	1.73	NS
MW-4	5/4-5/01	NA	BQL	BQL	NA	BQL	BQL	BQL	12	140	3.8	NS
	8/6/2002	BQL	BQL	BQL	BQL	BQL	BQL	BQL	9.8	88	4.5	NS
	7/22/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	89	BQL	NS
	6/3/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	4.29 J	69.5	4.38 J	NS
	1/26/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	10.2	150	BQL	NS
	4/1/2011	ND	ND	ND	ND	ND	ND	ND	4.64	92.0	4.66	ND
MW-4 dup	4/1/2011	ND	ND	ND	ND	ND	ND	ND	5.14	96.5	4.95	ND
MW-5	5/4-5/01	NA	BQL	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL	NS
	8/6/2002	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
	7/22/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
	6/3/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
	1/26/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
MW-5 dup	5/4-5/01	NA	BQL	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL	NS
	8/6/2002	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
	7/22/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
	6/3/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
	1/26/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS

TABLE 1
SUMMARY OF CHEMICAL CONSTITUENT DETECTED IN GROUNDWATER
ERWIN SQUARE SITE
DURHAM, NORTH CAROLINA
MID-ATLANTIC JOB NO. 000R1383.00

GCL (ug/L)		NA	50000	NA	70000	20000	61500	6000	6000	7000	2000000	30000
NCGQS (ug/L)		0.3	50	3000	70	20	200	6	6	7	2000	30
IHSB GW Screening Level (Industrial) in ug/L		7.5	340	NA	35	2300	NA	110	330	160	160	NA
IHSB GW Screening Level (Residential) in ug/L		3.7	80	NA	7.3	540	NA	22	65	38	37	NA
Well Number	Sample Date	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	1,2-Dichlorobenzene (ug/L)	1,3-Dichlorobenzene (ug/L)	1,4-Dichlorobenzene (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Trichlorofluoro-methane (ug/L)	Phenol (ug/L)
MW-6	5/4-5/01	NA	BQL	BQL	NA	BQL	BQL	BQL	BQL	BQL	20	NS
	8/14/2002	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	4.9	NS
	7/23/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	40	NS
	6/3/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	148	NS
	1/26/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	127	NS
MW-7	5/4-5/01	NA	BQL	BQL	NA	BQL	BQL	BQL	3.2	18	BQL	NS
	8/6/2002	BQL	BQL	BQL	BQL	BQL	BQL	BQL	3.1	18	BQL	NS
	7/22/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	2.1	13	BQL	NS
	6/4/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	2.72	15.4	BQL	NS
	1/26/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	3.13	20.7	BQL	NS
	4/1/2011	ND	ND	ND	ND	ND	ND	ND	3.43	19.0	0.182	ND
MW-8	5/4-5/01	BQL	5	BQL	BQL	16	NA	NA	24	200	BQL	NS
	8/6/2002	BQL	4.6	BQL	BQL	14	BQL	1.2	28	240	1.8	NS
	7/22/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	13	120	BQL	NS
	6/29/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	12.8	104	BQL	NS
	1/26/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	11.2	142	BQL	NS
	4/1/2011	ND	0.562	ND	ND	3.46	ND	ND	5.81	33.8	9.22	ND
MW-8D	5/4-5/01	BQL	BQL	BQL	BQL	BQL	NA	NA	BQL	BQL	BQL	NS
	8/6/2002	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
	7/22/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
	6/4/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
	1/26/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
MW-9	5/4-5/01	BQL	BQL	BQL	BQL	BQL	NA	NA	BQL	BQL	BQL	NS
	8/6/2002	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
	7/22/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
	6/4/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
	1/26/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
MW-10	5/4-5/01	BQL	BQL	BQL	BQL	BQL	NA	NA	BQL	BQL	BQL	NS
	8/6/2002	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
	7/23/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
	6/4/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
	1/26/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
MW-11	5/4-5/01	2	BQL	BQL	8	BQL	NA	NA	1.9	6	BQL	NS
	8/6/2002	1.6	BQL	BQL	6.8	BQL	BQL	BQL	1.6	4.7	BQL	NS
	7/23/2003	BQL	BQL	BQL	6.4	BQL	BQL	BQL	1.1	4	BQL	NS
	6/4/2004	BQL	BQL	BQL	6.52	BQL	BQL	BQL	0.992 J	3.72	BQL	NS
	1/26/2005	BQL	BQL	BQL	0.852 J	BQL	BQL	BQL	BQL	1.84	BQL	NS
	4/1/2011	ND	ND	ND	0.686	ND	ND	ND	ND	ND	ND	ND
MW-12	5/4-5/01	BQL	BQL	BQL	BQL	BQL	NA	NA	BQL	3.5	BQL	NS
	8/6/2002	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	2.5	BQL	NS
	7/22/2003	BQL	BQL	BQL	17	BQL	BQL	BQL	BQL	BQL	BQL	NS
	6/4/2004	BQL	BQL	BQL	2.17	BQL	BQL	BQL	0.361 J	1.91	0.406 J	NS
	1/26/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.383 J	4.23	0.751 J	NS
	4/1/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 1
SUMMARY OF CHEMICAL CONSTITUENT DETECTED IN GROUNDWATER
ERWIN SQUARE SITE
DURHAM, NORTH CAROLINA
MID-ATLANTIC JOB NO. 000R1393.00

GCL (ug/L)		NA	50000	NA	70000	20000	61500	6000	6000	7000	2000000	30000
NCGQS (ug/L)		0.3	50	3000	70	20	200	6	6	7	2000	30
IHSB GW Screening Level (Industrial) in ug/L		7.5	340	NA	35	2300	NA	110	330	160	160	NA
IHSB GW Screening Level (Residential) in ug/L		3.7	80	NA	7.3	540	NA	22	65	38	37	NA
Well Number	Sample Date	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	1,2-Dichlorobenzene (ug/L)	1,3-Dichlorobenzene (ug/L)	1,4-Dichlorobenzene (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Trichlorofluoro-methane (ug/L)	Phenol (ug/L)
MW-13	5/4-5/01	BQL	BQL	BQL	BQL	BQL	NA	NA	BQL	BQL	BQL	NS
	8/6/2002	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.2	NS
	7/23/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
	6/4/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	2.82	NS
	1/26/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	4.44	NS
MW-14	5/4-5/01	BQL	BQL	18	BQL	BQL	NA	NA	2	3.9	4.5	NS
	8/6/2002	BQL	BQL	BQL	BQL	BQL	BQL	BQL	2.1	4.4	2	NS
	7/23/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	2.9	5.2	1.1	NS
	6/3/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	3.13	4.54	BQL	NS
	1/26/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	4.69	10.3	BQL	NS
	4/1/2011	ND	ND	ND	ND	ND	ND	ND	7.52	15.3	ND	ND
MW-15	5/4-5/01	BQL	BQL	BQL	BQL	BQL	NA	NA	1.1	4.7	BQL	NS
	8/6/2002	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	2.8	BQL	NS
	7/23/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
	6/29/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
	1/26/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
Trip Blank	5/4-5/01	BQL	BQL	BQL	BQL	BQL	NA	NA	BQL	BQL	BQL	NS
	8/6/2002	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
	7/22/2003	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
	6/4/2004	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
	1/26/2005	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NS
	4/1/2011	ND	ND	ND	5.66	ND	ND	ND	ND	ND	ND	ND

Notes:
NS - Not Sampled
NR - Laboratory Analysis Not Requested
NA - Not Available
NL - Not Listed
dup - Duplicate Sample Collected for Analysis
IHSB GW Screening Level - Inactive Hazardous Site's Branch Groundwater Screening Level related to potential Vapor Intrusion Concerns
ND/BQL - Not detected at or above laboratory Practical Quantitation Limit (PQL)
J - estimated value, below laboratory calibration range
* - Tetrachloroethene detected in this sample at a concentration of 0.420 ug/L

Bold values exceed NC Groundwater Quality Standards (NCGQS)
Shaded values exceed Gross Contamination Level (GCL)
ug/L - micrograms per liter

TABLE 2 SUMMARY OF GROUNDWATER ELEVATION DATA ERWIN SQUARE SITE DURHAM, NORTH CAROLINA MID-ATLANTIC PROJECT NO. 000R1393.00				
WELL NUMBER	**DATE**	**TOC (ft)**	**DTW (ft)**	**SWLE (ft)**
MW-1	04/01/11	412.92	13.82	399.10
MW-1D	04/21/11	412.85	16.80	396.05
MW-2	04/21/11	410.87	24.00	386.87
MW-3	04/21/11	406.60	18.10	388.50
MW-4	04/01/11	414.11	14.6	399.51
MW-7	04/01/11	406.08	9.10	396.98
MW-8	04/01/11	405.69	17.9	387.79
MW-11	04/01/11	414.14	6.3	407.84
MW-12	04/01/11	NS	16.30	NS
MW-14	04/01/11	408.02	7.25	400.77

Notes:
Measuring point is top of well (TOC) casing unless otherwise noted.
DTW - Depth-to-Water in feet
SWLE - Static Water Elevation in feet
NS - Top of Casing Elevation Not Survayed
* - Well head damaged during construction

APPENDIX

LABORATORY ANALYTICAL REPORT AND CHAIN OF CUSTODY RECORD FOR GROUNDWATER SAMPLES

MID-ATLANTIC ASSOCIATES, INC.
Engineering & Environmental Solutions

SGS

Laboratory Report of Analysis

To: Tom Proctor
MID-ATLANTIC ASSOCIATES
409 Rogers View Ct.
Raleigh, NC 27610

Report Number: **31100652**

Client Project: **Former Burlington Industries**

Dear Tom Proctor,

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. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. 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 Michael D. Page 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.

Michael D. Page
Project Manager
michael.page@sgs.com

Date

Print Date: 04/12/2011

N.C. Certification # 481

Laboratory Qualifiers

Report Definitions

DL	Method, Instrument, or Estimated Detection Limit per Analytical Method
CL	Control Limits for the recovery result of a parameter
LOQ	Reporting Limit
DF	Dilution Factor
RPD	Relative Percent Difference
LCS(D)	Laboratory Control Spike (Duplicate)
MS(D)	Matrix Spike (Duplicate)
MB	Method Blank

Qualifier Definitions

*	Recovery or RPD outside of control limits
B	Analyte was detected in the Lab Method Blank at a level above the LOQ
U	Undetected (Reported as ND or < LOD)
V	Recovery is below quality control limit. The data has been validated based on a favorable signal-to-noise and detection limit
A	Amount detected is less than the Lower Method Calibration Limit
J	Amount detected is between the Method Detection Limit and the Lower Calibration Limit
O	The recovery of this analyte in the OPR is above the Method QC Limits and the reported concentration in the sample may be biased high
E	Amount detected is greater than the Upper Calibration Limit
S	The amount of analyte present has saturated the detector. This situation results in an underestimation of the affected analyte(s)
Q	Indicates the presence of a quantitative interference. This situation may result in an underestimation of the affected analyte(s)
I	Indicates the presence of a qualitative interference that could cause a false positive or an overestimation of the affected analyte(s)
DPE	Indicates the presence of a peak in the polychlorinated diphenylether channel that could cause a false positive or an overestimation of the affected analyte(s)
TIC	Tentatively Identified Compound
EMC	Estimated Maximum possible Concentration due to ion ratio failure
ND	Not Detected
K	Result is estimated due to ion ratio failure in High Resolution PCB Analysis
P	RPD > 40% between results of dual columns
D	Spike or surrogate was diluted out in order to achieve a parameter result within instrument calibration range
M1	Mis-identified peak
M2	Software did not integrate peak
M3	Incorrect baseline construction (i.e. not all of peak included; two peaks integrated as one)
M4	Pattern integration required (i.e. DRO, GRO, PCB, Toxaphene and Technical Chlordane)
M5	Other - Explained in case narrative

Note Results pages that include a value for "Solids (%)" have been adjusted for moisture content.

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Sample Summary

Client Sample ID	Lab Sample ID	Collected	Received	Matrix
MW-1	31100652001	04/01/2011 10:30	04/02/2011 09:25	Water
MW-4	31100652002	04/01/2011 09:45	04/02/2011 09:25	Water
MW-8	31100652003	04/01/2011 13:30	04/02/2011 09:25	Water
MW-7	31100652004	04/01/2011 12:00	04/02/2011 09:25	Water
MW-11	31100652005	04/01/2011 15:45	04/02/2011 09:25	Water
MW-12	31100652006	04/01/2011 14:00	04/02/2011 09:25	Water
MW-14	31100652007	04/01/2011 14:45	04/02/2011 09:25	Water
MW-15	31100652008	04/01/2011 08:00	04/02/2011 09:25	Water
Trip Blank	31100652009	04/01/2011 00:00	04/02/2011 09:25	Water

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Case Narrative

VGC1119 [VXX/1286]-MS/MSD

601/602 - The batch MS/MSD has several reported %RPDs outside of the QC limits. This may be attributed to matrix interferences.

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Results of MW-1

Client Sample ID: **MW-1**
Client Project ID: **Former Burlington Industries**
Lab Sample ID: 31100652001-A
Lab Project ID: 31100652

Collection Date: 04/01/2011 10:30
Received Date: 04/02/2011 09:25
Matrix: Water

Results by EPA 601

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Bromoform	ND	U	0.145	1.00	ug/L	1
Carbon tetrachloride	ND	U	0.504	2.00	ug/L	1
Chlorobenzene	ND	U	0.223	1.00	ug/L	1
Chloroethane	ND	U	0.124	1.00	ug/L	1
Chloroform	**1.54**		0.242	1.00	ug/L	1
Chloromethane	ND	U	0.147	1.00	ug/L	1
Dibromochloromethane	ND	U	0.185	1.00	ug/L	1
1,2-Dibromoethane	ND	U	0.191	1.00	ug/L	1
1,2-Dichlorobenzene	ND	U	0.276	1.00	ug/L	1
1,3-Dichlorobenzene	ND	U	0.177	1.00	ug/L	1
1,4-Dichlorobenzene	ND	U	0.219	1.00	ug/L	1
1,1-Dichloroethane	ND	U	0.221	1.00	ug/L	1
1,2-Dichloroethane	ND	U	0.237	1.00	ug/L	1
1,1-Dichloroethene	**12.2**		0.229	1.00	ug/L	1
cis-1,2-Dichloroethene	ND	U	0.495	2.00	ug/L	1
trans-1,2-Dichloroethene	ND	U	0.224	1.00	ug/L	1
1,2-Dichloropropane	ND	U	0.207	1.00	ug/L	1
cis-1,3-Dichloropropene	ND	U	0.211	1.00	ug/L	1
trans-1,3-Dichloropropene	ND	U	0.164	1.00	ug/L	1
Methylene chloride	ND	U	0.236	5.00	ug/L	1
1,1,2,2-tetrachloroethane	ND	U	0.650	3.00	ug/L	1
Tetrachloroethene	ND	U	0.456	2.00	ug/L	1
1,1,1-Trichloroethane	ND	U	0.242	1.00	ug/L	1
Bromodichloromethane	ND	U	0.211	1.00	ug/L	1
Vinyl chloride	ND	U	0.192	1.00	ug/L	1
1,1,2-Trichloroethane	ND	U	0.281	1.00	ug/L	1
Trichloroethene	ND	U	0.196	1.00	ug/L	1
Trichlorofluoromethane	**1.65**		0.160	1.00	ug/L	1
Bromomethane	ND	U	0.166	1.00	ug/L	1
Surrogates						
1,4-Dichlorobutane	101			85.0-115	%	1

Batch Information

Analytical Batch: **VGC1119**
Analytical Method: **EPA 601**
Instrument: **GC3**
Analyst: **BAO**
Analytical Date/Time: **04/06/2011 14:27**

Prep Batch: **VXX1286**
Prep Method: **EPA 601/602 Prep**
Prep Date/Time: **04/06/2011 11:11**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**

Print Date: 04/12/2011

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Results of MW-4

Client Sample ID: **MW-4**
Client Project ID: **Former Burlington Industries**
Lab Sample ID: 31100652002-A
Lab Project ID: 31100652

Collection Date: 04/01/2011 09:45
Received Date: 04/02/2011 09:25
Matrix: Water

Results by EPA 601

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Bromoform	ND	U	1.45	10.0	ug/L	10
Carbon tetrachloride	ND	U	5.04	20.0	ug/L	10
Chlorobenzene	ND	U	2.23	10.0	ug/L	10
Chloroethane	ND	U	1.24	10.0	ug/L	10
Chloroform	ND	U	2.42	10.0	ug/L	10
Chloromethane	ND	U	1.47	10.0	ug/L	10
Dibromochloromethane	ND	U	1.85	10.0	ug/L	10
1,2-Dibromoethane	ND	U	1.91	10.0	ug/L	10
1,2-Dichlorobenzene	ND	U	2.76	10.0	ug/L	10
1,3-Dichlorobenzene	ND	U	1.77	10.0	ug/L	10
1,4-Dichlorobenzene	ND	U	2.19	10.0	ug/L	10
1,1-Dichloroethane	**4.64**	J	2.21	10.0	ug/L	10
1,2-Dichloroethane	ND	U	2.37	10.0	ug/L	10
1,1-Dichloroethene	**92.0**		2.29	10.0	ug/L	10
cis-1,2-Dichloroethene	ND	U	4.95	20.0	ug/L	10
trans-1,2-Dichloroethene	ND	U	2.24	10.0	ug/L	10
1,2-Dichloropropane	ND	U	2.07	10.0	ug/L	10
cis-1,3-Dichloropropene	ND	U	2.11	10.0	ug/L	10
trans-1,3-Dichloropropene	ND	U	1.64	10.0	ug/L	10
Methylene chloride	ND	U	2.36	50.0	ug/L	10
1,1,2,2-tetrachloroethane	ND	U	6.50	30.0	ug/L	10
Tetrachloroethene	ND	U	4.56	20.0	ug/L	10
1,1,1-Trichloroethane	ND	U	2.42	10.0	ug/L	10
Bromodichloromethane	ND	U	2.11	10.0	ug/L	10
Vinyl chloride	ND	U	1.92	10.0	ug/L	10
1,1,2-Trichloroethane	ND	U	2.81	10.0	ug/L	10
Trichloroethene	ND	U	1.96	10.0	ug/L	10
Trichlorofluoromethane	**4.66**	J	1.60	10.0	ug/L	10
Bromomethane	ND	U	1.66	10.0	ug/L	10
Surrogates						
1,4-Dichlorobutane	101			85.0-115	%	10

Batch Information

Analytical Batch: **VGC1119**
Analytical Method: **EPA 601**
Instrument: **GC3**
Analyst: **BAO**
Analytical Date/Time: **04/06/2011 17:19**

Prep Batch: **VXX1286**
Prep Method: **EPA 601/602 Prep**
Prep Date/Time: **04/06/2011 11:11**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**

Print Date: 04/12/2011

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Results of **MW-8**

Client Sample ID: **MW-8**
Client Project ID: **Former Burlington Industries**
Lab Sample ID: 31100652003-A
Lab Project ID: 31100652

Collection Date: 04/01/2011 13:30
Received Date: 04/02/2011 09:25
Matrix: Water

Results by **EPA 601**

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Bromoform	ND	U	0.290	2.00	ug/L	2
Carbon tetrachloride	ND	U	1.01	4.00	ug/L	2
Chlorobenzene	**0.562**	J	0.446	2.00	ug/L	2
Chloroethane	ND	U	0.248	2.00	ug/L	2
Chloroform	ND	U	0.484	2.00	ug/L	2
Chloromethane	ND	U	0.294	2.00	ug/L	2
Dibromochloromethane	ND	U	0.370	2.00	ug/L	2
1,2-Dibromoethane	ND	U	0.382	2.00	ug/L	2
1,2-Dichlorobenzene	**3.46**		0.552	2.00	ug/L	2
1,3-Dichlorobenzene	ND	U	0.354	2.00	ug/L	2
1,4-Dichlorobenzene	ND	U	0.438	2.00	ug/L	2
1,1-Dichloroethane	**5.81**		0.442	2.00	ug/L	2
1,2-Dichloroethane	ND	U	0.474	2.00	ug/L	2
1,1-Dichloroethene	**33.8**		0.458	2.00	ug/L	2
cis-1,2-Dichloroethene	ND	U	0.990	4.00	ug/L	2
trans-1,2-Dichloroethene	ND	U	0.448	2.00	ug/L	2
1,2-Dichloropropane	ND	U	0.414	2.00	ug/L	2
cis-1,3-Dichloropropene	ND	U	0.422	2.00	ug/L	2
trans-1,3-Dichloropropene	ND	U	0.328	2.00	ug/L	2
Methylene chloride	ND	U	0.472	10.0	ug/L	2
1,1,2,2-tetrachloroethane	ND	U	1.30	6.00	ug/L	2
Tetrachloroethene	ND	U	0.912	4.00	ug/L	2
1,1,1-Trichloroethane	ND	U	0.484	2.00	ug/L	2
Bromodichloromethane	ND	U	0.422	2.00	ug/L	2
Vinyl chloride	ND	U	0.384	2.00	ug/L	2
1,1,2-Trichloroethane	ND	U	0.562	2.00	ug/L	2
Trichloroethene	ND	U	0.392	2.00	ug/L	2
Trichlorofluoromethane	**9.22**		0.320	2.00	ug/L	2
Bromomethane	ND	U	0.332	2.00	ug/L	2
Surrogates						
1,4-Dichlorobutane	101			85.0-115	%	2

Batch Information

Analytical Batch: **VGC1123**
Analytical Method: **EPA 601**
Instrument: **GC3**
Analyst: **BAO**
Analytical Date/Time: **04/07/2011 13:41**

Prep Batch: **VXX1296**
Prep Method: **EPA 601/602 Prep**
Prep Date/Time: **04/07/2011 12:47**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**

Print Date: 04/12/2011

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Results of MW-7

Client Sample ID: **MW-7**
Client Project ID: **Former Burlington Industries**
Lab Sample ID: 31100652004-A
Lab Project ID: 31100652

Collection Date: 04/01/2011 12:00
Received Date: 04/02/2011 09:25
Matrix: Water

Results by EPA 601

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Bromoform	ND	U	0.145	1.00	ug/L	1
Carbon tetrachloride	ND	U	0.504	2.00	ug/L	1
Chlorobenzene	ND	U	0.223	1.00	ug/L	1
Chloroethane	ND	U	0.124	1.00	ug/L	1
Chloroform	ND	U	0.242	1.00	ug/L	1
Chloromethane	ND	U	0.147	1.00	ug/L	1
Dibromochloromethane	ND	U	0.185	1.00	ug/L	1
1,2-Dibromoethane	ND	U	0.191	1.00	ug/L	1
1,2-Dichlorobenzene	ND	U	0.276	1.00	ug/L	1
1,3-Dichlorobenzene	ND	U	0.177	1.00	ug/L	1
1,4-Dichlorobenzene	ND	U	0.219	1.00	ug/L	1
1,1-Dichloroethane	**3.43**		0.221	1.00	ug/L	1
1,2-Dichloroethane	ND	U	0.237	1.00	ug/L	1
1,1-Dichloroethene	**19.0**		0.229	1.00	ug/L	1
cis-1,2-Dichloroethene	ND	U	0.495	2.00	ug/L	1
trans-1,2-Dichloroethene	ND	U	0.224	1.00	ug/L	1
1,2-Dichloropropane	ND	U	0.207	1.00	ug/L	1
cis-1,3-Dichloropropene	ND	U	0.211	1.00	ug/L	1
trans-1,3-Dichloropropene	ND	U	0.164	1.00	ug/L	1
Methylene chloride	ND	U	0.236	5.00	ug/L	1
1,1,2,2-tetrachloroethane	ND	U	0.650	3.00	ug/L	1
Tetrachloroethene	ND	U	0.456	2.00	ug/L	1
1,1,1-Trichloroethane	ND	U	0.242	1.00	ug/L	1
Bromodichloromethane	ND	U	0.211	1.00	ug/L	1
Vinyl chloride	ND	U	0.192	1.00	ug/L	1
1,1,2-Trichloroethane	ND	U	0.281	1.00	ug/L	1
Trichloroethene	ND	U	0.196	1.00	ug/L	1
Trichlorofluoromethane	**0.182**	J	0.160	1.00	ug/L	1
Bromomethane	ND	U	0.166	1.00	ug/L	1
Surrogates						
1,4-Dichlorobutane	102			85.0-115	%	1

Batch Information

Analytical Batch: **VGC1119**
Analytical Method: **EPA 601**
Instrument: **GC3**
Analyst: **BAO**
Analytical Date/Time: **04/06/2011 15:02**

Prep Batch: **VXX1286**
Prep Method: **EPA 601/602 Prep**
Prep Date/Time: **04/06/2011 11:11**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**

Print Date: 04/12/2011

N.C. Certification # 481

SGS

Results of MW-11

Client Sample ID: **MW-11**
Client Project ID: **Former Burlington Industries**
Lab Sample ID: 31100652005-A
Lab Project ID: 31100652

Collection Date: 04/01/2011 15:45
Received Date: 04/02/2011 09:25
Matrix: Water

Results by EPA 601

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Bromoform	ND	U	0.145	1.00	ug/L	1
Carbon tetrachloride	ND	U	0.504	2.00	ug/L	1
Chlorobenzene	ND	U	0.223	1.00	ug/L	1
Chloroethane	ND	U	0.124	1.00	ug/L	1
Chloroform	**0.686**	J	0.242	1.00	ug/L	1
Chloromethane	ND	U	0.147	1.00	ug/L	1
Dibromochloromethane	ND	U	0.185	1.00	ug/L	1
1,2-Dibromoethane	ND	U	0.191	1.00	ug/L	1
1,2-Dichlorobenzene	ND	U	0.276	1.00	ug/L	1
1,3-Dichlorobenzene	ND	U	0.177	1.00	ug/L	1
1,4-Dichlorobenzene	ND	U	0.219	1.00	ug/L	1
1,1-Dichloroethane	ND	U	0.221	1.00	ug/L	1
1,2-Dichloroethane	ND	U	0.237	1.00	ug/L	1
1,1-Dichloroethene	ND	U	0.229	1.00	ug/L	1
cis-1,2-Dichloroethene	ND	U	0.495	2.00	ug/L	1
trans-1,2-Dichloroethene	ND	U	0.224	1.00	ug/L	1
1,2-Dichloropropane	ND	U	0.207	1.00	ug/L	1
cis-1,3-Dichloropropene	ND	U	0.211	1.00	ug/L	1
trans-1,3-Dichloropropene	ND	U	0.164	1.00	ug/L	1
Methylene chloride	ND	U	0.236	5.00	ug/L	1
1,1,2,2-tetrachloroethane	ND	U	0.650	3.00	ug/L	1
Tetrachloroethene	ND	U	0.456	2.00	ug/L	1
1,1,1-Trichloroethane	ND	U	0.242	1.00	ug/L	1
Bromodichloromethane	ND	U	0.211	1.00	ug/L	1
Vinyl chloride	ND	U	0.192	1.00	ug/L	1
1,1,2-Trichloroethane	ND	U	0.281	1.00	ug/L	1
Trichloroethene	ND	U	0.196	1.00	ug/L	1
Trichlorofluoromethane	ND	U	0.160	1.00	ug/L	1
Bromomethane	ND	U	0.166	1.00	ug/L	1
Surrogates						
1,4-Dichlorobutane	101			85.0-115	%	1

Batch Information

Analytical Batch: **VGC1119**
Analytical Method: **EPA 601**
Instrument: **GC3**
Analyst: **BAO**
Analytical Date/Time: **04/06/2011 15:36**

Prep Batch: **VXX1286**
Prep Method: **EPA 601/602 Prep**
Prep Date/Time: **04/06/2011 11:11**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**

Print Date: 04/12/2011

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Results of MW-12

Client Sample ID: **MW-12**
Client Project ID: **Former Burlington Industries**
Lab Sample ID: 31100652006-A
Lab Project ID: 31100652

Collection Date: 04/01/2011 14:00
Received Date: 04/02/2011 09:25
Matrix: Water

Results by EPA 601

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Bromoform	ND	U	0.145	1.00	ug/L	1
Carbon tetrachloride	ND	U	0.504	2.00	ug/L	1
Chlorobenzene	ND	U	0.223	1.00	ug/L	1
Chloroethane	ND	U	0.124	1.00	ug/L	1
Chloroform	ND	U	0.242	1.00	ug/L	1
Chloromethane	ND	U	0.147	1.00	ug/L	1
Dibromochloromethane	ND	U	0.185	1.00	ug/L	1
1,2-Dibromoethane	ND	U	0.191	1.00	ug/L	1
1,2-Dichlorobenzene	ND	U	0.276	1.00	ug/L	1
1,3-Dichlorobenzene	ND	U	0.177	1.00	ug/L	1
1,4-Dichlorobenzene	ND	U	0.219	1.00	ug/L	1
1,1-Dichloroethane	ND	U	0.221	1.00	ug/L	1
1,2-Dichloroethane	ND	U	0.237	1.00	ug/L	1
1,1-Dichloroethene	ND	U	0.229	1.00	ug/L	1
cis-1,2-Dichloroethene	ND	U	0.495	2.00	ug/L	1
trans-1,2-Dichloroethene	ND	U	0.224	1.00	ug/L	1
1,2-Dichloropropane	ND	U	0.207	1.00	ug/L	1
cis-1,3-Dichloropropene	ND	U	0.211	1.00	ug/L	1
trans-1,3-Dichloropropene	ND	U	0.164	1.00	ug/L	1
Methylene chloride	ND	U	0.236	5.00	ug/L	1
1,1,2,2-tetrachloroethane	ND	U	0.650	3.00	ug/L	1
Tetrachloroethene	ND	U	0.456	2.00	ug/L	1
1,1,1-Trichloroethane	ND	U	0.242	1.00	ug/L	1
Bromodichloromethane	ND	U	0.211	1.00	ug/L	1
Vinyl chloride	ND	U	0.192	1.00	ug/L	1
1,1,2-Trichloroethane	ND	U	0.281	1.00	ug/L	1
Trichloroethene	ND	U	0.196	1.00	ug/L	1
Trichlorofluoromethane	ND	U	0.160	1.00	ug/L	1
Bromomethane	ND	U	0.166	1.00	ug/L	1
Surrogates						
1,4-Dichlorobutane	102			85.0-115	%	1

Batch Information

Analytical Batch: **VGC1119**
Analytical Method: **EPA 601**
Instrument: **GC3**
Analyst: **BAO**
Analytical Date/Time: **04/06/2011 16:11**

Prep Batch: **VXX1286**
Prep Method: **EPA 601/602 Prep**
Prep Date/Time: **04/06/2011 11:11**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**

Print Date: 04/12/2011

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Results of MW-14

Client Sample ID: **MW-14**
Client Project ID: **Former Burlington Industries**
Lab Sample ID: 31100652007-A
Lab Project ID: 31100652

Collection Date: 04/01/2011 14:45
Received Date: 04/02/2011 09:25
Matrix: Water

Results by EPA 601

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Bromoform	ND	U	0.145	1.00	ug/L	1
Carbon tetrachloride	ND	U	0.504	2.00	ug/L	1
Chlorobenzene	ND	U	0.223	1.00	ug/L	1
Chloroethane	ND	U	0.124	1.00	ug/L	1
Chloroform	ND	U	0.242	1.00	ug/L	1
Chloromethane	ND	U	0.147	1.00	ug/L	1
Dibromochloromethane	ND	U	0.185	1.00	ug/L	1
1,2-Dibromoethane	ND	U	0.191	1.00	ug/L	1
1,2-Dichlorobenzene	ND	U	0.276	1.00	ug/L	1
1,3-Dichlorobenzene	ND	U	0.177	1.00	ug/L	1
1,4-Dichlorobenzene	ND	U	0.219	1.00	ug/L	1
1,1-Dichloroethane	**7.52**		0.221	1.00	ug/L	1
1,2-Dichloroethane	ND	U	0.237	1.00	ug/L	1
1,1-Dichloroethene	**15.3**		0.229	1.00	ug/L	1
cis-1,2-Dichloroethene	ND	U	0.495	2.00	ug/L	1
trans-1,2-Dichloroethene	ND	U	0.224	1.00	ug/L	1
1,2-Dichloropropane	ND	U	0.207	1.00	ug/L	1
cis-1,3-Dichloropropene	ND	U	0.211	1.00	ug/L	1
trans-1,3-Dichloropropene	ND	U	0.164	1.00	ug/L	1
Methylene chloride	ND	U	0.236	5.00	ug/L	1
1,1,2,2-tetrachloroethane	ND	U	0.650	3.00	ug/L	1
Tetrachloroethene	ND	U	0.456	2.00	ug/L	1
1,1,1-Trichloroethane	ND	U	0.242	1.00	ug/L	1
Bromodichloromethane	ND	U	0.211	1.00	ug/L	1
Vinyl chloride	ND	U	0.192	1.00	ug/L	1
1,1,2-Trichloroethane	ND	U	0.281	1.00	ug/L	1
Trichloroethene	ND	U	0.196	1.00	ug/L	1
Trichlorofluoromethane	ND	U	0.160	1.00	ug/L	1
Bromomethane	ND	U	0.166	1.00	ug/L	1
Surrogates						
1,4-Dichlorobutane	103			85.0-115	%	1

Batch Information

Analytical Batch: **VGC1119**
Analytical Method: **EPA 601**
Instrument: **GC3**
Analyst: **BAO**
Analytical Date/Time: **04/06/2011 16:44**

Prep Batch: **VXX1286**
Prep Method: **EPA 601/602 Prep**
Prep Date/Time: **04/06/2011 11:11**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**

Print Date: 04/12/2011

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Results of MW-15

Client Sample ID: **MW-15**
Client Project ID: **Former Burlington Industries**
Lab Sample ID: 31100652008-A
Lab Project ID: 31100652

Collection Date: 04/01/2011 08:00
Received Date: 04/02/2011 09:25
Matrix: Water

Results by EPA 601

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Bromoform	ND	U	1.16	8.00	ug/L	8
Carbon tetrachloride	ND	U	4.03	16.0	ug/L	8
Chlorobenzene	ND	U	1.78	8.00	ug/L	8
Chloroethane	ND	U	0.992	8.00	ug/L	8
Chloroform	ND	U	1.94	8.00	ug/L	8
Chloromethane	ND	U	1.18	8.00	ug/L	8
Dibromochloromethane	ND	U	1.48	8.00	ug/L	8
1,2-Dibromoethane	ND	U	1.53	8.00	ug/L	8
1,2-Dichlorobenzene	ND	U	2.21	8.00	ug/L	8
1,3-Dichlorobenzene	ND	U	1.42	8.00	ug/L	8
1,4-Dichlorobenzene	ND	U	1.75	8.00	ug/L	8
1,1-Dichloroethane	**5.14**	J	1.77	8.00	ug/L	8
1,2-Dichloroethane	ND	U	1.90	8.00	ug/L	8
1,1-Dichloroethene	**96.5**		1.83	8.00	ug/L	8
cis-1,2-Dichloroethene	ND	U	3.96	16.0	ug/L	8
trans-1,2-Dichloroethene	ND	U	1.79	8.00	ug/L	8
1,2-Dichloropropane	ND	U	1.66	8.00	ug/L	8
cis-1,3-Dichloropropene	ND	U	1.69	8.00	ug/L	8
trans-1,3-Dichloropropene	ND	U	1.31	8.00	ug/L	8
Methylene chloride	ND	U	1.89	40.0	ug/L	8
1,1,2,2-tetrachloroethane	ND	U	5.20	24.0	ug/L	8
Tetrachloroethene	ND	U	3.65	16.0	ug/L	8
1,1,1-Trichloroethane	ND	U	1.94	8.00	ug/L	8
Bromodichloromethane	ND	U	1.69	8.00	ug/L	8
Vinyl chloride	ND	U	1.54	8.00	ug/L	8
1,1,2-Trichloroethane	ND	U	2.25	8.00	ug/L	8
Trichloroethene	ND	U	1.57	8.00	ug/L	8
Trichlorofluoromethane	**4.95**	J	1.28	8.00	ug/L	8
Bromomethane	ND	U	1.33	8.00	ug/L	8
Surrogates						
1,4-Dichlorobutane	107			85.0-115	%	8

Batch Information

Analytical Batch: **VGC1123**
Analytical Method: **EPA 601**
Instrument: **GC3**
Analyst: **BAO**
Analytical Date/Time: **04/07/2011 14:15**

Prep Batch: **VXX1296**
Prep Method: **EPA 601/602 Prep**
Prep Date/Time: **04/07/2011 12:47**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**

Print Date: 04/12/2011

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Results of Trip Blank

Client Sample ID: **Trip Blank**
Client Project ID: **Former Burlington Industries**
Lab Sample ID: 31100652009-A
Lab Project ID: 31100652

Collection Date: 04/01/2011 00:00
Received Date: 04/02/2011 09:25
Matrix: Water

Results by EPA 601

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Bromoform	ND	U	0.145	1.00	ug/L	1
Carbon tetrachloride	ND	U	0.504	2.00	ug/L	1
Chlorobenzene	ND	U	0.223	1.00	ug/L	1
Chloroethane	ND	U	0.124	1.00	ug/L	1
Chloroform	**5.66**		0.242	1.00	ug/L	1
Chloromethane	ND	U	0.147	1.00	ug/L	1
Dibromochloromethane	ND	U	0.185	1.00	ug/L	1
1,2-Dibromoethane	ND	U	0.191	1.00	ug/L	1
1,2-Dichlorobenzene	ND	U	0.276	1.00	ug/L	1
1,3-Dichlorobenzene	ND	U	0.177	1.00	ug/L	1
1,4-Dichlorobenzene	ND	U	0.219	1.00	ug/L	1
1,1-Dichloroethane	ND	U	0.221	1.00	ug/L	1
1,2-Dichloroethane	ND	U	0.237	1.00	ug/L	1
1,1-Dichloroethene	ND	U	0.229	1.00	ug/L	1
cis-1,2-Dichloroethene	ND	U	0.495	2.00	ug/L	1
trans-1,2-Dichloroethene	ND	U	0.224	1.00	ug/L	1
1,2-Dichloropropane	ND	U	0.207	1.00	ug/L	1
cis-1,3-Dichloropropene	ND	U	0.211	1.00	ug/L	1
trans-1,3-Dichloropropene	ND	U	0.164	1.00	ug/L	1
Methylene chloride	ND	U	0.236	5.00	ug/L	1
1,1,2,2-tetrachloroethane	ND	U	0.650	3.00	ug/L	1
Tetrachloroethene	ND	U	0.456	2.00	ug/L	1
1,1,1-Trichloroethane	ND	U	0.242	1.00	ug/L	1
Bromodichloromethane	ND	U	0.211	1.00	ug/L	1
Vinyl chloride	ND	U	0.192	1.00	ug/L	1
1,1,2-Trichloroethane	ND	U	0.281	1.00	ug/L	1
Trichloroethene	ND	U	0.196	1.00	ug/L	1
Trichlorofluoromethane	ND	U	0.160	1.00	ug/L	1
Bromomethane	ND	U	0.166	1.00	ug/L	1
Surrogates						
1,4-Dichlorobutane	101			85.0-115	%	1

Batch Information

Analytical Batch: **VGC1123**
Analytical Method: **EPA 601**
Instrument: **GC3**
Analyst: **BAO**
Analytical Date/Time: **04/07/2011 13:06**

Prep Batch: **VXX1296**
Prep Method: **EPA 601/602 Prep**
Prep Date/Time: **04/07/2011 12:47**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**

Print Date: 04/12/2011

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Batch Summary

Analytical Method: EPA 601

Prep Method: EPA 601/602 Prep
Prep Batch: VXX1286
Prep Date: 04/06/2011 08:24

Client Sample ID	Lab Sample ID	Analysis Date	Instrument	Analyst
LCS for HBN 4350 [VXX/1286]	16143	04/06/2011 09:53	GC3	BAO
LCSD for HBN 4350 [VXX/1286]	16144	04/06/2011 10:28	GC3	BAO
MB for HBN 4350 [VXX/1286]	16142	04/06/2011 11:36	GC3	BAO
MW-1	31100652001	04/06/2011 14:27	GC3	BAO
MW-7	31100652004	04/06/2011 15:02	GC3	BAO
MW-11	31100652005	04/06/2011 15:36	GC3	BAO
MW-12	31100652006	04/06/2011 16:11	GC3	BAO
MW-14	31100652007	04/06/2011 16:44	GC3	BAO
MW-4	31100652002	04/06/2011 17:19	GC3	BAO
MW-4(15808MS)	16220	04/06/2011 17:53	GC3	BAO
MW-4(15808MSD)	16221	04/06/2011 18:27	GC3	BAO

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Method Blank Summary

Blank ID: MB for HBN 4350 [VXX/1286] Matrix: Water
Blank Lab ID: 16142
QC for Samples:
31100652001,31100652002,31100652004,31100652006,31100652007,31100652005

Results by EPA 601

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Bromoform	ND	U	0.145	1	ug/L	1
Carbon tetrachloride	ND	U	0.504	2	ug/L	1
Chlorobenzene	ND	U	0.223	1	ug/L	1
Chloroethane	ND	U	0.124	1	ug/L	1
Chloroform	ND	U	0.242	1	ug/L	1
Chloromethane	ND	U	0.147	1	ug/L	1
Dibromochloromethane	ND	U	0.185	1	ug/L	1
1,2-Dibromoethane	ND	U	0.191	1	ug/L	1
1,2-Dichlorobenzene	ND	U	0.276	1	ug/L	1
1,3-Dichlorobenzene	ND	U	0.177	1	ug/L	1
1,4-Dichlorobenzene	ND	U	0.219	1	ug/L	1
1,1-Dichloroethane	ND	U	0.221	1	ug/L	1
1,2-Dichloroethane	ND	U	0.237	1	ug/L	1
1,1-Dichloroethene	ND	U	0.229	1	ug/L	1
cis-1,2-Dichloroethene	ND	U	0.495	2	ug/L	1
trans-1,2-Dichloroethene	ND	U	0.224	1	ug/L	1
1,2-Dichloropropane	ND	U	0.207	1	ug/L	1
cis-1,3-Dichloropropene	ND	U	0.211	1	ug/L	1
trans-1,3-Dichloropropene	ND	U	0.164	1	ug/L	1
Methylene chloride	ND	U	0.236	5	ug/L	1
1,1,2,2-tetrachloroethane	ND	U	0.65	3	ug/L	1
Tetrachloroethene	ND	U	0.456	2	ug/L	1
1,1,1-Trichloroethane	ND	U	0.242	1	ug/L	1
Bromodichloromethane	ND	U	0.211	1	ug/L	1
Vinyl chloride	ND	U	0.192	1	ug/L	1
1,1,2-Trichloroethane	ND	U	0.281	1	ug/L	1
Trichloroethene	ND	U	0.196	1	ug/L	1
Trichlorofluoromethane	ND	U	0.16	1	ug/L	1
Bromomethane	ND	U	0.166	1	ug/L	1
Surrogates						
1,4-Dichlorobutane	99.0			85.0-115	%	1

Batch Information

Analytical Batch: **VGC1119**
Analytical Method: **EPA 601**
Instrument: **GC3**
Analyst: **BAO**
Analytical Date/Time: **04/06/2011 11:36**

Prep Batch: **VXX1286**
Prep Method: **EPA 601/602 Prep**
Prep Date/Time: **04/06/2011 08:24**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**

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Blank Spike Summary

Blank Spike ID: LCS for HBN 4350 [VXX/1286]
Blank Spike Lab ID: 16143
Date Analyzed: 04/06/2011 09:53

Spike Duplicate ID: LCSD for HBN 4350 [VXX/1286]
Spike Duplicate Lab ID: 16144
Date Analyzed: 04/06/2011 10:28
Matrix: Water

QC for Samples: 31100652001,31100652002,31100652004,31100652006,31100652007,31100652005

Results by EPA 601

	Blank Spike (ug/L)			Spike Duplicate (ug/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Bromoform	10	9.78	98	10	9.47	95	13.0-159	3.2	30.00
Carbon tetrachloride	20	20.1	100	20	20.0	100	43.0-143	0.50	30.00
Chlorobenzene	10	9.58	96	10	9.58	96	38.0-150	0.0	30.00
Chloroethane	10	10.4	104	10	10.4	104	46.0-137	0.0	30.00
Chloroform	10	9.93	99	10	10.0	100	49.0-133	0.70	30.00
Chloromethane	10	9.08	91	10	9.22	92	1.00-193	1.5	30.00
Dibromochloromethane	10	9.69	97	10	9.68	97	24.0-191	0.10	30.00
1,2-Dibromoethane	10	9.62	96	10	9.45	95	1.00-206	1.8	30.00
1,2-Dichlorobenzene	10	9.74	97	10	9.51	95	1.00-208	2.4	30.00
1,3-Dichlorobenzene	10	9.64	96	10	9.54	95	7.00-187	1.0	30.00
1,4-Dichlorobenzene	10	9.88	99	10	9.72	97	42.0-143	1.6	30.00
1,1-Dichloroethane	10	9.80	98	10	9.87	99	47.0-132	0.71	30.00
1,2-Dichloroethane	10	9.72	97	10	9.72	97	51.0-147	0.0	30.00
1,1-Dichloroethene	10	9.88	99	10	10.2	102	28.0-167	3.2	30.00
cis-1,2-Dichloroethene	20	20.3	101	20	20.1	100	19.0-181	0.99	30.00
trans-1,2-Dichloroethene	10	10.1	101	10	10.0	100	38.0-155	1.0	30.00
1,2-Dichloropropane	10	9.84	98	10	9.85	98	44.0-156	0.10	30.00
cis-1,3-Dichloropropene	10	10.1	101	10	9.82	98	22.0-178	2.8	30.00
trans-1,3-Dichloropropene	10	9.85	99	10	9.65	96	22.0-178	2.1	30.00
Methylene chloride	10	9.89	99	10	9.65	96	25.0-162	2.5	30.00
1,1,2,2-tetrachloroethane	30	30.2	101	30	28.9	96	8.00-184	4.4	30.00
Tetrachloroethene	20	19.6	98	20	19.6	98	26.0-162	0.0	30.00
1,1,1-Trichloroethane	10	9.92	99	10	9.94	99	41.0-138	0.20	30.00
Bromodichloromethane	10	9.83	98	10	9.96	100	42.0-172	1.3	30.00
Vinyl chloride	10	10.9	109	10	10.7	107	28.0-163	1.9	30.00
1,1,2-Trichloroethane	10	9.97	100	10	9.72	97	39.0-136	2.5	30.00
Trichloroethene	10	9.47	95	10	9.67	97	35.0-146	2.1	30.00
Trichlorofluoromethane	10	10.4	104	10	10.6	106	21.0-156	1.9	30.00
Bromomethane	10	10.7	107	10	11.0	110	1.00-144	2.8	30.00
Surrogates									
1,4-Dichlorobutane			98.3			97.7	85.0-115		

Print Date: 04/12/2011

N.C. Certification # 481

Blank Spike Summary

Blank Spike ID: LCS for HBN 4350 [VXX/1286]
Blank Spike Lab ID: 16143
Date Analyzed: 04/06/2011 09:53

Spike Duplicate ID: LCSD for HBN 4350 [VXX/1286]
Spike Duplicate Lab ID: 16144
Date Analyzed: 04/06/2011 10:28
Matrix: Water

QC for Samples: 31100652001,31100652002,31100652004,31100652006,31100652007,31100652005

Results by EPA 601

	Blank Spike (%)			Spike Duplicate (%)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL

Batch Information

Analytical Batch: **VGC1119**
Analytical Method: **EPA 601**
Instrument: **GC3**
Analyst: **BAO**

Prep Batch: **VXX1286**
Prep Method: **EPA 601/602 Prep**
Prep Date/Time: **04/06/2011 08:24**
Spike Init Wt./Vol.: **40 mL** Extract Vol: **40 mL**
Dupe Init Wt./Vol.: **40 mL** Extract Vol: **40 mL**

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Matrix Spike Summary

Original Sample ID: 31100652002 (MW-4) — Analysis Date: 04/06/2011 17:19
MS Sample ID: 16220 — Analysis Date: 04/06/2011 17:53
MSD Sample ID: 16221 — Analysis Date: 04/06/2011 18:27
Matrix: Water

QC for Samples: 31100652001,31100652002,31100652004,31100652006,31100652007,31100652005

Results by EPA 601

		Matrix Spike (ug/L)			Spike Duplicate (ug/L)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Bromoform	ND	100	94.3	**94**	100	110	**110**	13.0-159	**15**	30.00
Carbon tetrachloride	ND	200	193	**97**	200	226	**113**	43.0-143	**16**	30.00
Chlorobenzene	ND	100	94.5	**95**	100	109	**109**	38.0-150	**14**	30.00
Chloroethane	ND	100	75.0	**75**	100	116	**116**	46.0-137	**43***	30.00
Chloroform	ND	100	95.9	**96**	100	112	**112**	49.0-133	**15**	30.00
Chloromethane	ND	100	83.0	**83**	100	113	**113**	1.00-193	**31***	30.00
Dibromochloromethane	ND	100	95.6	**96**	100	111	**111**	24.0-191	**15**	30.00
1,2-Dibromoethane	ND	100	101	**101**	100	108	**108**	1.00-206	**6.7**	30.00
1,2-Dichlorobenzene	ND	100	93.3	**93**	100	110	**110**	1.00-208	**16**	30.00
1,3-Dichlorobenzene	ND	100	91.8	**92**	100	107	**107**	7.00-187	**15**	30.00
1,4-Dichlorobenzene	ND	100	93.4	**93**	100	109	**109**	42.0-143	**15**	30.00
1,1-Dichloroethane	4.64	100	104	**99**	100	118	**114**	47.0-132	**13**	30.00
1,2-Dichloroethane	ND	100	95.6	**96**	100	111	**111**	51.0-147	**15**	30.00
1,1-Dichloroethene	92.0	100	178	**86**	100	201	**109**	28.0-167	**12**	30.00
cis-1,2-Dichloroethene	ND	200	182	**91**	200	214	**107**	19.0-181	**16**	30.00
trans-1,2-Dichloroethene	ND	100	97.6	**98**	100	113	**113**	38.0-155	**15**	30.00
1,2-Dichloropropane	ND	100	95.4	**95**	100	112	**112**	44.0-156	**16**	30.00
cis-1,3-Dichloropropene	ND	100	94.8	**95**	100	110	**110**	22.0-178	**15**	30.00
trans-1,3-Dichloropropene	ND	100	93.9	**94**	100	109	**109**	22.0-178	**15**	30.00
Methylene chloride	ND	100	95.3	**95**	100	111	**111**	25.0-162	**15**	30.00
1,1,2,2-tetrachloroethane	ND	300	292	**97**	300	341	**114**	8.00-184	**15**	30.00
Tetrachloroethene	ND	200	191	**96**	200	217	**109**	26.0-162	**13**	30.00
1,1,1-Trichloroethane	ND	100	95.5	**96**	100	112	**112**	41.0-138	**16**	30.00
Bromodichloromethane	ND	100	95.5	**95**	100	111	**111**	42.0-172	**15**	30.00
Vinyl chloride	ND	100	82.1	**82**	100	123	**123**	28.0-163	**40***	30.00
1,1,2-Trichloroethane	ND	100	97.6	**98**	100	113	**113**	39.0-136	**15**	30.00
Trichloroethene	ND	100	92.8	**93**	100	108	**108**	35.0-146	**15**	30.00
Trichlorofluoromethane	4.66	100	85.6	**81**	100	123	**119**	21.0-156	**36***	30.00
Bromomethane	ND	100	74.1	**74**	100	114	**114**	1.00-144	**42***	30.00
Surrogates										
1,4-Dichlorobutane				**101**			**101**	85.0-115		

Batch Information

Analytical Batch: **VGC1119**
Analytical Method: **EPA 601**
Instrument: **GC3**
Analyst: **BAO**

Prep Batch: **VXX1286**
Prep Method: **EPA 601/602 Prep**
Prep Date/Time: **04/06/2011 11:11**
MS Init Wt./Vol.: **40 mL** Extract Vol.: **40 mL**
MSD Init Wt./Vol.: **40 mL** Extract Vol.: **40 mL**

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Batch Summary

Analytical Method: EPA 601

Prep Method: EPA 601/602 Prep
Prep Batch: VXX1296
Prep Date: 04/07/2011 09:21

Client Sample ID	Lab Sample ID	Analysis Date	Instrument	Analyst
LCS for HBN 4393 [VXX/1296]	16345	04/07/2011 10:49	GC3	BAO
LCSD for HBN 4393 [VXX/1296]	16346	04/07/2011 11:23	GC3	BAO
MB for HBN 4393 [VXX/1296]	16344	04/07/2011 12:31	GC3	BAO
Trip Blank	31100652009	04/07/2011 13:06	GC3	BAO
MW-8	31100652003	04/07/2011 13:41	GC3	BAO
MW-15	31100652008	04/07/2011 14:15	GC3	BAO
MW-15(15818MS)	16408	04/07/2011 14:50	GC3	BAO
MW-15(15818MSD)	16409	04/07/2011 15:24	GC3	BAO

Print Date: 04/12/2011

N.C. Certification # 481

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Method Blank Summary

Blank ID: MB for HBN 4393 [VXX/1296]
Blank Lab ID: 16344
QC for Samples:
31100652003,31100652008,31100652009

Matrix: Water

Results by EPA 601

Parameter	Result	Qual	DL	LOQ/CL	Units	DF
Bromoform	ND	U	0.145	1	ug/L	1
Carbon tetrachloride	ND	U	0.504	2	ug/L	1
Chlorobenzene	ND	U	0.223	1	ug/L	1
Chloroethane	ND	U	0.124	1	ug/L	1
Chloroform	ND	U	0.242	1	ug/L	1
Chloromethane	ND	U	0.147	1	ug/L	1
Dibromochloromethane	ND	U	0.185	1	ug/L	1
1,2-Dibromoethane	ND	U	0.191	1	ug/L	1
1,2-Dichlorobenzene	ND	U	0.276	1	ug/L	1
1,3-Dichlorobenzene	ND	U	0.177	1	ug/L	1
1,4-Dichlorobenzene	ND	U	0.219	1	ug/L	1
1,1-Dichloroethane	ND	U	0.221	1	ug/L	1
1,2-Dichloroethane	ND	U	0.237	1	ug/L	1
1,1-Dichloroethene	ND	U	0.229	1	ug/L	1
cis-1,2-Dichloroethene	ND	U	0.495	2	ug/L	1
trans-1,2-Dichloroethene	ND	U	0.224	1	ug/L	1
1,2-Dichloropropane	ND	U	0.207	1	ug/L	1
cis-1,3-Dichloropropene	ND	U	0.211	1	ug/L	1
trans-1,3-Dichloropropene	ND	U	0.164	1	ug/L	1
Methylene chloride	ND	U	0.236	5	ug/L	1
1,1,2,2-tetrachloroethane	ND	U	0.65	3	ug/L	1
Tetrachloroethene	ND	U	0.456	2	ug/L	1
1,1,1-Trichloroethane	ND	U	0.242	1	ug/L	1
Bromodichloromethane	ND	U	0.211	1	ug/L	1
Vinyl chloride	ND	U	0.192	1	ug/L	1
1,1,2-Trichloroethane	ND	U	0.281	1	ug/L	1
Trichloroethene	ND	U	0.196	1	ug/L	1
Trichlorofluoromethane	ND	U	0.16	1	ug/L	1
Bromomethane	ND	U	0.166	1	ug/L	1
Surrogates						
1,4-Dichlorobutane	99.6			85.0-115	%	1

Batch Information

Analytical Batch: **VGC1123**
Analytical Method: **EPA 601**
Instrument: **GC3**
Analyst: **BAO**
Analytical Date/Time: **04/07/2011 12:31**

Prep Batch: **VXX1296**
Prep Method: **EPA 601/602 Prep**
Prep Date/Time: **04/07/2011 09:21**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**

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Blank Spike Summary

Blank Spike ID: LCS for HBN 4393 [VXX/1296]
Blank Spike Lab ID: 16345
Date Analyzed: 04/07/2011 10:49

Spike Duplicate ID: LCSD for HBN 4393 [VXX/1296]
Spike Duplicate Lab ID: 16346
Date Analyzed: 04/07/2011 11:23
Matrix: Water

QC for Samples: 31100652003,31100652008,31100652009

Results by EPA 601

	Blank Spike (ug/L)			Spike Duplicate (ug/L)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Bromoform	10	9.96	100	10	10.3	103	13.0-159	3.4	30.00
Carbon tetrachloride	20	20.2	101	20	20.9	105	43.0-143	3.4	30.00
Chlorobenzene	10	9.73	97	10	10.0	100	38.0-150	2.7	30.00
Chloroethane	10	10.9	109	10	10.4	104	46.0-137	4.7	30.00
Chloroform	10	10.1	101	10	10.4	104	49.0-133	2.9	30.00
Chloromethane	10	9.91	99	10	9.29	93	1.00-193	6.5	30.00
Dibromochloromethane	10	10.1	101	10	10.3	103	24.0-191	2.0	30.00
1,2-Dibromoethane	10	9.92	99	10	10.1	101	1.00-206	1.8	30.00
1,2-Dichlorobenzene	10	9.90	99	10	10.1	101	1.00-208	2.0	30.00
1,3-Dichlorobenzene	10	9.85	98	10	10.0	100	7.00-187	1.5	30.00
1,4-Dichlorobenzene	10	9.87	99	10	10.2	102	42.0-143	3.3	30.00
1,1-Dichloroethane	10	9.89	99	10	10.3	103	47.0-132	4.1	30.00
1,2-Dichloroethane	10	9.92	99	10	10.2	102	51.0-147	2.8	30.00
1,1-Dichloroethene	10	9.50	95	10	9.91	99	28.0-167	4.2	30.00
cis-1,2-Dichloroethene	20	20.1	100	20	20.8	104	19.0-181	3.4	30.00
trans-1,2-Dichloroethene	10	10.2	102	10	10.5	105	38.0-155	2.9	30.00
1,2-Dichloropropane	10	9.90	99	10	10.3	103	44.0-156	4.0	30.00
cis-1,3-Dichloropropene	10	10.1	101	10	10.5	105	22.0-178	3.9	30.00
trans-1,3-Dichloropropene	10	10.1	101	10	10.3	103	22.0-178	2.0	30.00
Methylene chloride	10	9.93	99	10	10.4	104	25.0-162	4.6	30.00
1,1,2,2-tetrachloroethane	30	30.7	102	30	30.9	103	8.00-184	0.65	30.00
Tetrachloroethene	20	20.0	100	20	20.5	103	26.0-162	2.5	30.00
1,1,1-Trichloroethane	10	9.91	99	10	10.3	103	41.0-138	3.9	30.00
Bromodichloromethane	10	10.1	101	10	10.3	103	42.0-172	2.0	30.00
Vinyl chloride	10	11.3	113	10	11.0	110	28.0-163	2.7	30.00
1,1,2-Trichloroethane	10	10.2	102	10	10.5	105	39.0-136	2.9	30.00
Trichloroethene	10	9.73	97	10	9.99	100	35.0-146	2.6	30.00
Trichlorofluoromethane	10	11.0	110	10	10.5	105	21.0-156	4.7	30.00
Bromomethane	10	11.6	116	10	11.3	113	1.00-144	2.6	30.00
Surrogates									
1,4-Dichlorobutane			98.9			98.8	85.0-115		

Print Date: 04/12/2011

N.C. Certification # 481

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Blank Spike Summary

Blank Spike ID: LCS for HBN 4393 [VXX/1296]
Blank Spike Lab ID: 16345
Date Analyzed: 04/07/2011 10:49

Spike Duplicate ID: LCSD for HBN 4393 [VXX/1296]
Spike Duplicate Lab ID: 16346
Date Analyzed: 04/07/2011 11:23
Matrix: Water

QC for Samples: 31100652003,31100652008,31100652009

Results by EPA 601

	Blank Spike (%)			Spike Duplicate (%)					
Parameter	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL

Batch Information

Analytical Batch: **VGC1123**
Analytical Method: **EPA 601**
Instrument: **GC3**
Analyst: **BAO**

Prep Batch: **VXX1296**
Prep Method: **EPA 601/602 Prep**
Prep Date/Time: **04/07/2011 09:21**
Spike Init Wt./Vol.: **40 mL** Extract Vol: **40 mL**
Dupe Init Wt./Vol.: **40 mL** Extract Vol: **40 mL**

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Matrix Spike Summary

Original Sample ID: 31100652008 (MW-15)
MS Sample ID: 16408
MSD Sample ID: 16409

Analysis Date: 04/07/2011 14:15
Analysis Date: 04/07/2011 14:50
Analysis Date: 04/07/2011 15:24
Matrix: Water

QC for Samples: 31100652003,31100652008,31100652009

Results by EPA 601

		Matrix Spike (ug/L)			Spike Duplicate (ug/L)					
Parameter	Sample	Spike	Result	Rec (%)	Spike	Result	Rec (%)	CL	RPD (%)	RPD CL
Bromoform	ND	80	99.5	124	80	80.0	100	13.0-159	22	30.00
Carbon tetrachloride	ND	160	199	125	160	162	101	43.0-143	20	30.00
Chlorobenzene	ND	80	96.7	121	80	77.7	97	38.0-150	22	30.00
Chloroethane	ND	80	81.3	102	80	69.3	87	46.0-137	16	30.00
Chloroform	ND	80	99.7	125	80	80.2	100	49.0-133	22	30.00
Chloromethane	ND	80	81.7	102	80	67.0	84	1.00-193	20	30.00
Dibromochloromethane	ND	80	99.3	124	80	80.3	100	24.0-191	21	30.00
1,2-Dibromoethane	ND	80	104	130	80	83.3	104	1.00-206	22	30.00
1,2-Dichlorobenzene	ND	80	96.6	121	80	78.7	98	1.00-208	20	30.00
1,3-Dichlorobenzene	ND	80	94.3	118	80	77.9	97	7.00-187	19	30.00
1,4-Dichlorobenzene	ND	80	96.2	120	80	79.4	99	42.0-143	19	30.00
1,1-Dichloroethane	5.14	80	105	125	80	87.1	102	47.0-132	19	30.00
1,2-Dichloroethane	ND	80	97.6	122	80	79.1	99	51.0-147	21	30.00
1,1-Dichloroethene	96.5	80	139	54	80	146	61	28.0-167	4.9	30.00
cis-1,2-Dichloroethene	ND	160	199	124	160	159	100	19.0-181	22	30.00
trans-1,2-Dichloroethene	ND	80	99.9	125	80	80.8	101	38.0-155	21	30.00
1,2-Dichloropropane	ND	80	99.1	124	80	80.3	100	44.0-156	21	30.00
cis-1,3-Dichloropropene	ND	80	99.8	125	80	80.6	101	22.0-178	21	30.00
trans-1,3-Dichloropropene	ND	80	99.4	124	80	79.5	99	22.0-178	22	30.00
Methylene chloride	ND	80	99.0	124	80	80.3	100	25.0-162	21	30.00
1,1,2,2-tetrachloroethane	ND	240	306	128	240	248	103	8.00-184	21	30.00
Tetrachloroethene	ND	160	196	122	160	159	100	26.0-162	21	30.00
1,1,1-Trichloroethane	ND	80	98.9	124	80	79.9	100	41.0-138	21	30.00
Bromodichloromethane	ND	80	98.0	122	80	79.5	99	42.0-172	21	30.00
Vinyl chloride	ND	80	87.5	109	80	69.8	87	28.0-163	23	30.00
1,1,2-Trichloroethane	ND	80	100	126	80	81.5	102	39.0-136	20	30.00
Trichloroethene	ND	80	94.9	119	80	76.9	96	35.0-146	21	30.00
Trichlorofluoromethane	4.95	80	91.1	108	80	73.0	85	21.0-156	22	30.00
Bromomethane	ND	80	84.3	105	80	65.6	82	1.00-144	25	30.00
Surrogates										
1,4-Dichlorobutane				102			101	85.0-115		

Batch Information

Analytical Batch: **VGC1123**
Analytical Method: **EPA 601**
Instrument: **GC3**
Analyst: **BAO**

Prep Batch: **VXX1296**
Prep Method: **EPA 601/602 Prep**
Prep Date/Time: **04/07/2011 12:47**
MS Init Wt./Vol.: **40 mL** Extract Vol.: **40 mL**
MSD Init Wt./Vol.: **40 mL** Extract Vol.: **40 mL**

Print Date: 04/12/2011

N.C. Certification # 481

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091130

(1)

CLIENT: Mid-Atlantic Associates

CONTACT: Tom Proctor PHONE NO:(919) 250-9918

PROJECT: Former Burlington Industries SITE/PWSID#: R1393.01

REPORTS TO: E-MAIL:

FAX NO.:( )

INVOICE TO: QUOTE #

P.O. NUMBER

SGS Reference: 31100652

PAGE 1 OF 1

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE C= COMP G= GRAB	(3) Preservatives Used: HCl / Analysis Required: EPA Method 601	REMARKS
	MW-1	4/1/11	10:30	W	3	G	✓	
	MW-4		9:45	W	3		✓	
	MW-8		1:30	W	3		✓	
	MW-7		12:00	W	2		✓	
	MW-11		3:45	W	3		✓	
	MW-12		2:00	W	3		✓	
	MW-14		2:45	W	3		✓	
	MW-15		8:00	W	3		✓	
	Trip Blank		-	W	3		✓	
							✓	

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:	Date	Time
Steve Garner, MAA	4/1/11				
Relinquished By: (2)	Date	Time	Received By:	Date	Time
Relinquished By: (3)	Date	Time	Received By:	Date	Time
Relinquished By: (4)	Date 4/2/11	Time 0925	Received By: Bulgara	Date	Time

(4)

Shipping Carrier:

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature ∫C: 2.0

Special Deliverable Requirements:

Chain of Custody Seal: (Circle)

INTACT BROKEN ABSENT

Special Instructions: None

Requested Turnaround Time:

☐ RUSH _____ Date Needed ☒ STD

☐ 200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
☐ 5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557
☐ 1270 Greenbrier Street Charleston, WV 25311 Tel: (304) 346-0725 Fax: (304) 346-0761

White - Retained by Lab
Yellow - Returned with Report
Pink - Retained by Sampler

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: **Mid-Atlantic** Work Order No.: **31100652**

1. x Shipped
   ___ Hand Delivered

2. x COC Present on Receipt
   ___ No COC
   ___ Additional Transmittal Forms

3. ___ Custody Tape on Container
   x No Custody Tape

4. x Samples Intact
   ___ Samples Broken / Leaking

5. x Chilled on Receipt Actual Temp.(s) in °C: 2
   ___ Ambient on Receipt
   ___ Walk-in on Ice; Coming down to temp.
   ___ Received Outside of Temperature Specifications

6. x Sufficient Sample Submitted
   ___ Insufficient Sample Submitted

7. ___ Chlorine absent
   ___ HNO3 < 2
   ___ HCL < 2
   ___ Additional Preservatives verified (see notes)

8. x Received Within Holding Time
   ___ Not Received Within Holding Time

9. ___ No Discrepancies Noted
   x Discrepancies Noted

10. x No Headspace present in VOC vials
    ___ Headspace present in VOC vials >6mm

Notes:

NA-VOA Vials Only

Trip Blanks not created by SGS

Comments:

Inspected and Logged in by: TP

Date: 4/4/11