156IHSSF1208

DocumentID	NONCD0002854
Site Name	FIBER DYNAMICS
DocumentType	Site Assessment Rpt (SAR)
RptSegment	1
DocDate	7/20/2012
DocRcvd	7/26/2012
Box	SF1208
AccessLevel	PUBLIC
Division	WASTE MANAGEMENT
Section	SUPERFUND
Program	IHS (IHS)
DocCat	FACILITY

REPORT OF GROUNDWATER SAMPLING AND ANALYSIS – 2nd QUARTER 2012

FIBER DYNAMICS, INC.
200 SOUTH WEST POINT AVENUE
HIGH POINT, GUILFORD COUNTY, NORTH CAROLINA
SITE ID# NON CD0002854

Prepared for:

Fiber Dynamics, Inc.
200 South West Point Avenue
High Point, North Carolina 27261

Prepared by:

Blue Ridge Geological Services, Inc.
Archdale, North Carolina

July 2012

BLUE RIDGE
GEOLOGICAL SERVICES, INC.

RECEIVED
JUL 26 2012

July 20, 2012

Ms. Sharon Cihak
Guilford County Department of Public Health
Environmental Health Division
1203 Maple Street, 3rd Floor
Greensboro, North Carolina 27405

Subject: **Report of Groundwater Sampling and Analysis – 2nd Quarter 2012**
Fiber Dynamics, Inc.
200 South West Point Avenue
High Point, Guilford County, North Carolina
Site ID #NON CD 0002854

Dear Ms. Cihak:

On behalf of Fiber Dynamics, Inc., ***Blue Ridge Geological Services, Inc. (Blue Ridge)*** performed additional environmental activities at the subject site in June 2012 (Figures 1 and 2). Outlined below is a summary of the field activities, laboratory results, and our conclusions and recommendations.

Field Activities

On June 6, 2012, Blue Ridge personnel measured the depth to groundwater in site monitoring wells using an electronic water level meter. On this date, the depth to water in the wells ranged from 1.3 (MW-1) to 5.53 (MW-2) feet below the top of the PVC well casing. A summary of the measurements is presented in Table 1. The groundwater elevations at each well were determined by subtracting the depth to water from the elevation of the top of the PVC casing in each well. The groundwater elevations for each well were plotted on a map and elevations were interpolated between wells by comparing the groundwater elevations at those locations considering the local and regional topography. A groundwater contour or potentiometric surface map of the surficial aquifer on June 6, 2012 is presented on Figure 3. As shown on the figure, the generalized direction of groundwater flow at the site is to the east.

On June 6, 2012, Blue Ridge personnel collected groundwater samples from all seven (7) site monitoring wells. The wells were sampled using a bailer or a low-flow pump and disposable polyethylene tubing lowered to near the bottom of each well. The wells were sampled from least impacted to most impacted and field equipment was decontaminated between wells to minimize the possibility of cross contamination.

Prior to sampling, field personnel recorded select water quality parameters (pH, temperature, and specific conductivity) in each well using a field meter. Next, field personnel collected groundwater samples from each well, placed them in laboratory-prepared containers, labeled the containers with project information, placed the samples into coolers containing ice, and transported the samples to Pace Analytical Services, Inc. in Huntersville, North Carolina for analysis. All groundwater samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260. The ten highest tentatively identified compounds (TICs) in the VOC analysis were also measured and reported.

A quality assurance sample (blind duplicate) was collected in general accordance with QA/QC procedures. The duplicate was analyzed for VOCs by Method 8260. A chain-of-custody form was maintained with the samples. As a result of low flow sampling, minimal purge water was generated during the field activities. The contaminated groundwater was placed into a 55-gallon steel drum for off-site disposal.

Laboratory Results

No VOCs were detected in the groundwater in monitoring wells MW-1 and MW-2. Only one VOC (cis-1,2-dichloroethene) was detected in the groundwater in well MW-4. Several VOCs were detected in the groundwater in monitoring wells MW-3, MW-5, MW-6 and DW-1 including the following: acetone (DW-1), chlorobenzene (MW-3 and DW-1), 1,2-dichlorobenzene (MW-3, MW-5, and DW-1), cis-1,2-dichloroethene or cis-1,2-DCE (MW-3, MW-5, MW-6, DW-1), 4-methyl-2-pentanone or MIBK (DW-1), tetrachloroethene or PCE (MW-3, MW-5, MW-6, and DW-1), toluene (DW-1), trichloroethene or TCE (MW-3, MW-5, MW-6, and DW-1), and trichlorofluoromethane (MW-3).

The VOCs were detected in the groundwater at concentrations ranging from 1.0 to 191.31 micrograms per liter (ug/L) or parts per billion. Vinyl chloride was not detected in any of the wells during this sampling event. One or more VOC TICs were detected in the groundwater in monitoring wells MW-3 through MW-6 and DW-1.

The groundwater analytical results for this sampling event are summarized in Table 2. The laboratory report and chain-of-custody record form are attached. Isoconcentration maps of PCE, TCE, and total VOCs in the groundwater in June 2012 are presented on Figures 4A through 4C.

Conclusions and Recommendations

The depth to groundwater ranged from approximately one to six feet below ground surface in the monitoring wells in June 2012. These water levels are similar to previous measurements at the site. The generalized direction of groundwater flow at the site in June 2012 is to the east which is similar to previous sampling events.

No VOCs were detected in the groundwater in monitoring wells MW-1 and MW-2 in June 2012. The total VOCs detected in the groundwater in monitoring wells MW-3 through MW-6 and DW-1 ranged from 1.0 (MW-4) to 191.31 (DW-1) micrograms per liter (ug/L). Acetone was detected in the groundwater in well DW-1; acetone is a common laboratory artifact and is not likely a result of groundwater contamination. Only two VOCs (PCE and/or TCE) were detected in the groundwater in one or more of the monitoring wells at concentrations above the NCDENR 2L Groundwater Standards (2L Standards). PCE was detected in wells MW-3, MW-5, MW-6, and DW-1 at concentrations ranging from 15.7 to 78.5 ug/L which is above the 2L Standard of 0.7 ug/L. TCE was detected in wells MW-3, MW-5, and DW-1 at concentrations ranging from 3.4 to 4.3 ug/L which is above the 2L Standard of 3 ug/L. Vinyl chloride (a degradation product of PCE/TCE) was not detected in any of the wells during this sampling event.

In general, the VOC concentrations detected in the groundwater in the monitoring wells in June 2012 were fairly similar to previous sampling events (see Table 2). As shown on Figures 4A through 4C, the horizontal extent of VOCs detected in the groundwater is reasonably defined and the majority of the plume is located on-site. The plume shape/size was similar to previous sampling events. Cis-1,2-DCE and TCE were detected in the groundwater in several of the monitoring wells; these constituents are degradation products of PCE and their presence in the center and centerline downgradient of the contaminant plume appears to indicate that bioremediation/natural degradation is occurring to some extent in the groundwater at the site.

We recommend continued groundwater sampling of site monitoring wells to monitor the VOC concentrations and plume degradation and/or migration. Please contact the undersigned if you have any questions regarding this report or the project.

Sincerely,

Jeffrey L. Gerlock, L.G.
NC Licensed Geologist #1141
Registered Environmental Consultant #149

NORTH CAROLINA LICENSED SEAL 1141 GEOLOGIST JEFFREY L. GERLOCK

Attachments –Tables, Figures, Laboratory Report

cc: Mr. Jim Heery, Fiber Dynamics

TABLES

TABLE 1

MONITORING WELL CONSTRUCTION INFORMATION AND GROUNDWATER ELEVATION DATA

FIBER DYNAMICS, INC.
200 SOUTH WEST POINT AVENUE
HIGH POINT, NORTH CAROLINA
SITE ID# NONCD 0002854

Well No.	Date Installed	Ground Elevation (ft, btoc)	Screened Interval (ft, bgs)	Total Well Depth (ft, bgs)	Date Water Level Measured	TOC Elevation (ft, btoc)	Depth to Water (ft, btoc)	Groundwater Elevation (ft, btoc)
MW-1	11/4/2009	893.12	11 to 16	16.0	11/9/2009	892.74	1.58	891.16
					11/17/2009		1.18	891.56
					11/24/2009		1.12	891.62
					10/31/2011		1.51	891.23
					1/31/2012		0.95	891.79
					6/6/2012		1.30	891.44
MW-2	11/4/2009	888.71	14 to 19	19.0	11/4/2009	888.42	6.17	882.25
					11/9/2009		6.17	882.25
					11/17/2009		5.73	882.69
					11/24/2009		5.49	882.93
					10/31/2011		6.18	882.24
					1/31/2012		5.39	883.03
					6/6/2012		5.53	882.89
MW-3	11/4/2009	887.13	16 to 21	21.0	11/4/2009	886.51	4.29	882.22
					11/9/2009		4.28	882.23
					11/17/2009		3.87	882.64
					11/24/2009		3.64	882.87
					10/31/2011		4.29	882.22
					1/31/2012		3.62	882.89
					6/6/2012		4.80	881.71
MW-4	11/5/2009	888.43	9 to 14	14.0	11/9/2009	888.15	4.60	883.55
					11/17/2009		4.27	883.88
					11/24/2009		4.05	884.10
					10/31/2011		4.50	883.65
					1/31/2012		2.49	885.66
					6/6/2012		4.00	884.15
MW-5	11/5/2009	890.38	9 to 14	14.0	11/9/2009	890.01	8.96	881.05
					11/17/2009		6.15	883.86
					11/24/2009		2.25	887.76
					10/31/2011		4.21	885.80
					1/31/2012		3.64	886.37
					6/6/2012		3.37	886.64
MW-6	11/5/2009	888.90	13 to 18	18.0	11/4/2009	888.48	3.97	884.51
					11/9/2009		3.94	884.54
					11/17/2009		3.57	884.91
					11/24/2009		3.34	885.14
					10/31/2011		3.91	884.57
					1/31/2012		3.74	884.74
					6/6/2012		3.18	885.30
DW-1	2/9/2010	NM	50 to 55	55.0	2/9/2010	NS	3.60	NS
					10/31/2011		4.70	NS
					1/31/2012		3.93	NS
					6/6/2012		4.05	NS

Notes:

Measurements are in feet below ground surface (bgs) or below the top of the PVC well casing (btoc).

Groundwater levels were measured using a Heron water level meter.

Elevations are feet above the 1988 North American Vertical Datum (NAVD) and are referenced from a nearby vertical control monument.

NS - Not Surveyed

TABLE 2

SUMMARY OF GROUNDWATER SAMPLING RESULTS

FIBER DYNAMICS, INC.
200 SOUTH WEST POINT AVENUE
HIGH POINT, NORTH CAROLINA
SITE ID# NONCD 0002854

Well No.	Date Sampled	Volatile Organic Compounds (VOCs)																	
		Acetone	Benzene	2-Butanone (MEK)	Chlorobenzene	Chloroethane	1,2-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	p-Isopropyltoluene	4-Methyl-2-pentanone (MIBK)	Tetrachloroethene (PCE)	Toluene	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl chloride	**Total VOCs**	VOC TICs
MW-1	11/4/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<1	ND	ND
	10/31/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.62	ND	ND
	1/31/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<1	ND	ND
	6/6/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<1	ND	ND
MW-2	11/4/2009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.7**	ND	ND	ND	<1	2.70	ND
	10/31/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.46	ND	ND	ND	<0.62	ND	ND
	1/31/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<1	ND	ND	ND	<1	ND	ND
	6/6/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<1	ND	ND	ND	<1	ND	ND
MW-3	11/4/2009	ND	ND	ND	1.3	ND	1.3	<1	1.3	ND	ND	ND	**36.5**	ND	2.3	7.5	**1.7**	51.90	ND
DUP (MW-3)	11/4/2009	ND	ND	ND	1.3	ND	1.4	<1	1.2	ND	ND	ND	**34.2**	ND	2.5	8.4	**1.9**	50.90	8.94
	10/31/2011	ND	ND	ND	1.6	ND	1.1	0.38 J	1.7	ND	ND	ND	**52.8**	ND	2.7	3.7	**0.66** J	64.64	ND
	1/31/2012	ND	ND	ND	1.6	ND	1.3	<1	1.7	ND	ND	ND	**67.5**	ND	**3.8**	5.6	<1	81.50	ND
	6/6/2012	ND	ND	ND	1.6	ND	1.4	<1	1.4	ND	ND	ND	**58.0**	ND	**3.4**	1.7	<1	67.50	13.5
MW-4	11/6/2009	62.5	<1	8.9	<1	<1	<1	ND	1.6	<1	2.8	ND	**11.5**	<1	**4.2**	ND	**3.7**	95.20	5.56
	10/31/2011	ND	0.49 J	ND	0.75 J	1.9	0.65 J	ND	10.4	0.87 J	<1	ND	<1	0.30 J	2.5	ND	**6.8**	24.66	5.28
DUP (MW-4)	10/31/2011	ND	0.51 J	ND	0.73 J	2.0	0.55 J	ND	8.3	0.94 J	<1	ND	<0.46	0.26 J	1.5	ND	**7.7**	22.49	ND
	1/31/2012	167	<1	ND	<1	ND	<1	ND	ND	<1	<1	ND	<1	<1	<1	ND	<1	167.00	ND
DUP (MW-4)	1/31/2012	132	<1	ND	<1	ND	<1	ND	ND	<1	<1	ND	<1	<1	<1	ND	<1	132.00	ND
	6/6/2012	ND	<1	ND	<1	ND	<1	ND	1.0	<1	<1	ND	<1	<1	<1	ND	<1	1.00	8.96
MW-5	11/9/2009	ND	ND	ND	1.1	ND	1.8	ND	2.5	ND	ND	ND	**65**	ND	**5.2**	ND	<1	75.60	ND
	10/31/2011	ND	ND	ND	1.0	ND	1.1	ND	2.1	ND	ND	ND	**76.9**	ND	**4.1**	ND	<0.62	85.20	ND
	1/31/2012	ND	ND	ND	<1	ND	<1	ND	1.3	ND	ND	ND	**57.7**	ND	**3.4**	ND	<1	62.40	ND
	6/6/2012	ND	ND	ND	0.56 J	ND	1.0 J	ND	1.7	ND	ND	ND	**59.1**	ND	**3.6**	ND	<1	65.96	ND
DUP (MW-5)	6/6/2012	ND	ND	ND	0.60 J	ND	0.96 J	ND	1.9	ND	ND	ND	**69.8**	ND	**4.0**	ND	<1	77.26	5.74

TABLE 2

SUMMARY OF GROUNDWATER SAMPLING RESULTS

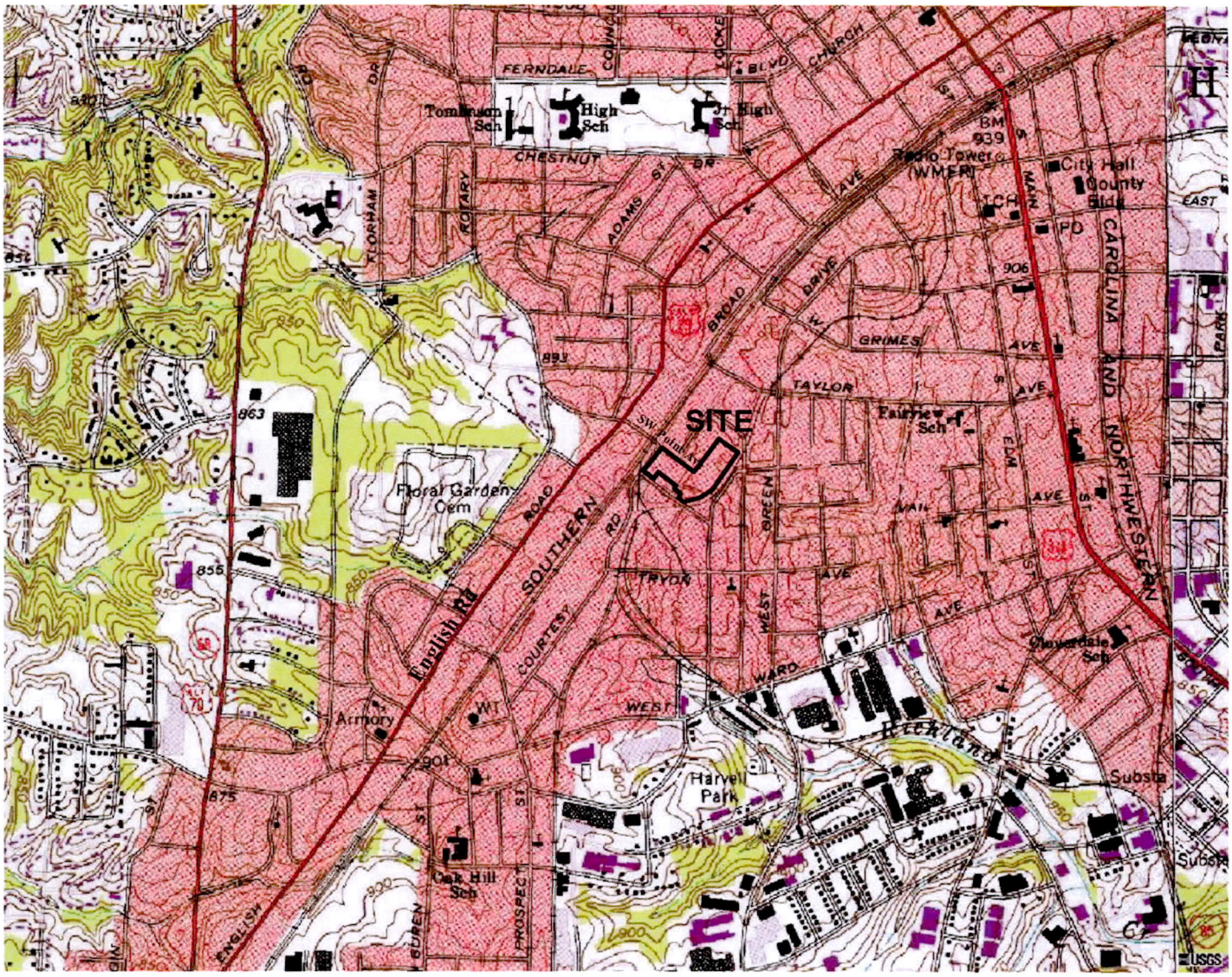
FIBER DYNAMICS, INC.
200 SOUTH WEST POINT AVENUE
HIGH POINT, NORTH CAROLINA
SITE ID# NONCD 0002854

Well No.	Date Sampled	Volatile Organic Compounds (VOCs)																	
		Acetone	Benzene	2-Butanone (MEK)	Chlorobenzene	Chloroethane	1,2-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	p-Isopropyltoluene	4-Methyl-2-pentanone (MIBK)	Tetrachloroethene (PCE)	Toluene	Trichloroethene (TCE)	Trichlorofluoromethane	Vinyl chloride	**Total VOCs**	VOC TICs
MW-6	11/6/2009	ND	ND	ND	<1	<1	ND	<1	<1	ND	ND	ND	**8.8**	ND	<1	<1	<1	8.80	17.71
DUP (MW-6)	11/6/2009	ND	ND	ND	<1	<1	ND	<1	<1	ND	ND	ND	**8.6**	ND	<1	<1	<1	8.60	ND
	10/31/2011	ND	ND	ND	0.25 J	0.17 J	ND	0.61 J	0.49 J	ND	ND	ND	**16.6**	ND	0.78 J	0.58 J	<0.62	19.48	ND
	1/31/2012	ND	ND	ND	<1	<1	ND	<1	<1	ND	ND	ND	**17.7**	ND	<1	<1	<1	17.70	ND
	6/6/2012	ND	ND	ND	<1	<1	ND	<1	0.40 J	ND	ND	ND	**15.7**	ND	0.87 J	<1	<1	16.97	16.7
DW-1	2/10/2010	ND	ND	ND	<1	ND	<1	ND	5.1	ND	ND	ND	**152**	<1	**8.7**	ND	<1	165.80	ND
	10/31/2011	ND	ND	ND	0.46 J	ND	0.44 J	ND	3.1	ND	ND	21.6	**85.3**	0.41 J	**3.7**	ND	<0.62	115.01	31.4
	1/31/2012	ND	ND	ND	<1	ND	<1	ND	2.2	ND	ND	17.3	**87.8**	<1	**4.8**	ND	<1	112.10	54.15
	6/6/2012	77.1	ND	ND	0.54 J	ND	0.50 J	ND	2.2	ND	ND	27.8	**78.5**	0.37 J	**4.3**	ND	<1	191.31	8.65
2L Standard (ug/L)		6000	1	4000	50	3000	20	6	70	100	NE	NE	0.7	600	3	2000	0.03	NE	NE

Notes:
Results are presented in micrograms per liter (ug/L)
TICs = Tentatively Identified Compounds
2L Standard = NCDENR NCAC Subchapter 2L Groundwater Classifications and Standards
J = Estimated Value (between Method Detection Limit and Reporting Limit)

ND = Not Detected
NA = Not Analyzed; N/A - Not Applicable
NE - Not Extablished

FIGURES



Scale: 1 inch = 1,700 feet

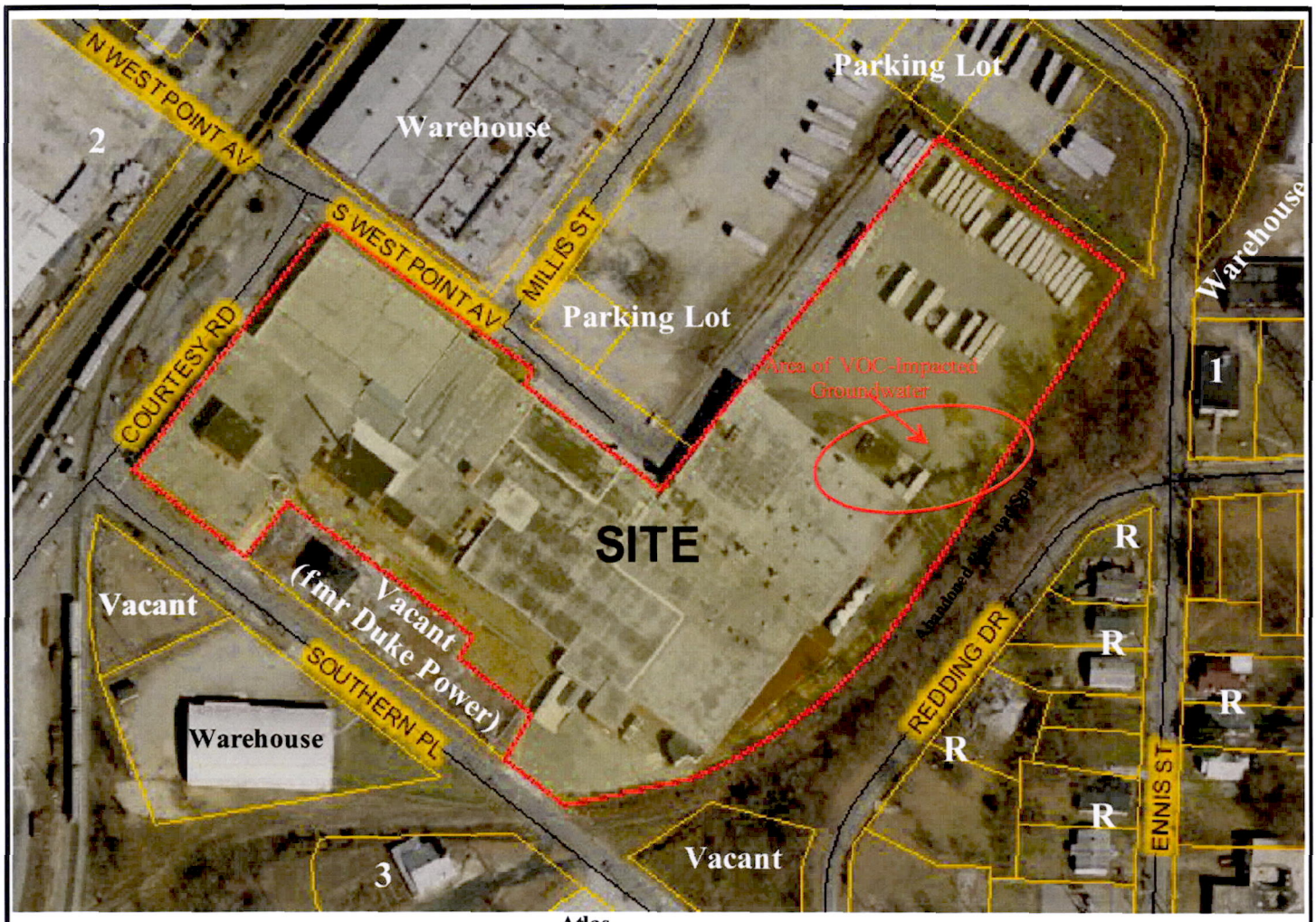
REF.: USGS High Point West NC Quadrangle Map dated 1969
photorevised 1987 from Microsoft TerraServer

BLUE RIDGE
GEOLOGICAL SERVICES, INC.

Site Location Map

Fiber Dynamics
200 South West Point Avenue
High Point, North Carolina

Mar 2009	Figure 1



Atlas
Van Lines

Legend

1 = Calvary Church of God of Prophecy
2 = Engineered Polymer Solutions, Inc.
3 = Vacant - Former Siceloff Oil and Coal
R = Residences

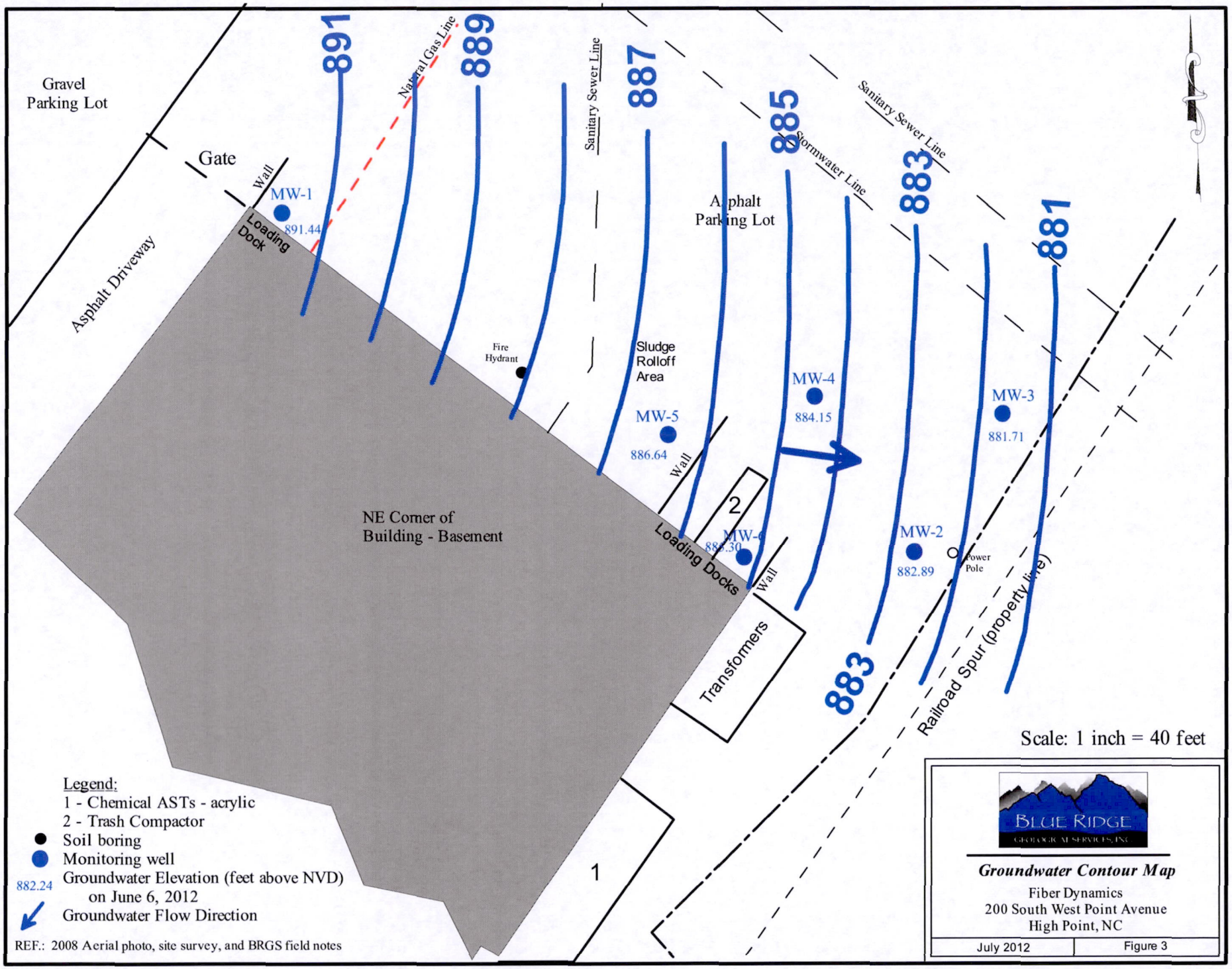
Scale: 1 inch = 170 feet

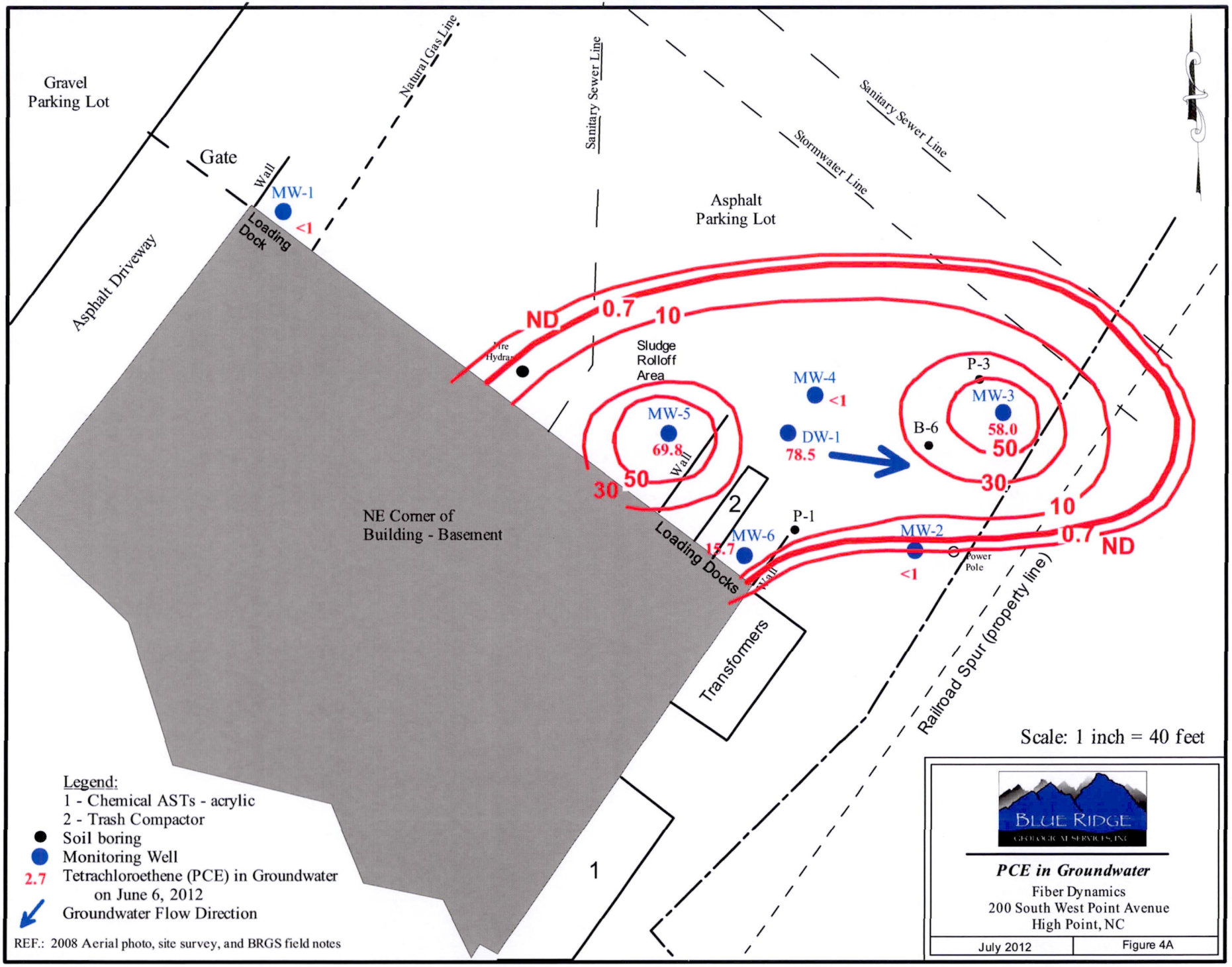
REF.: Guilford County NC GIS Website

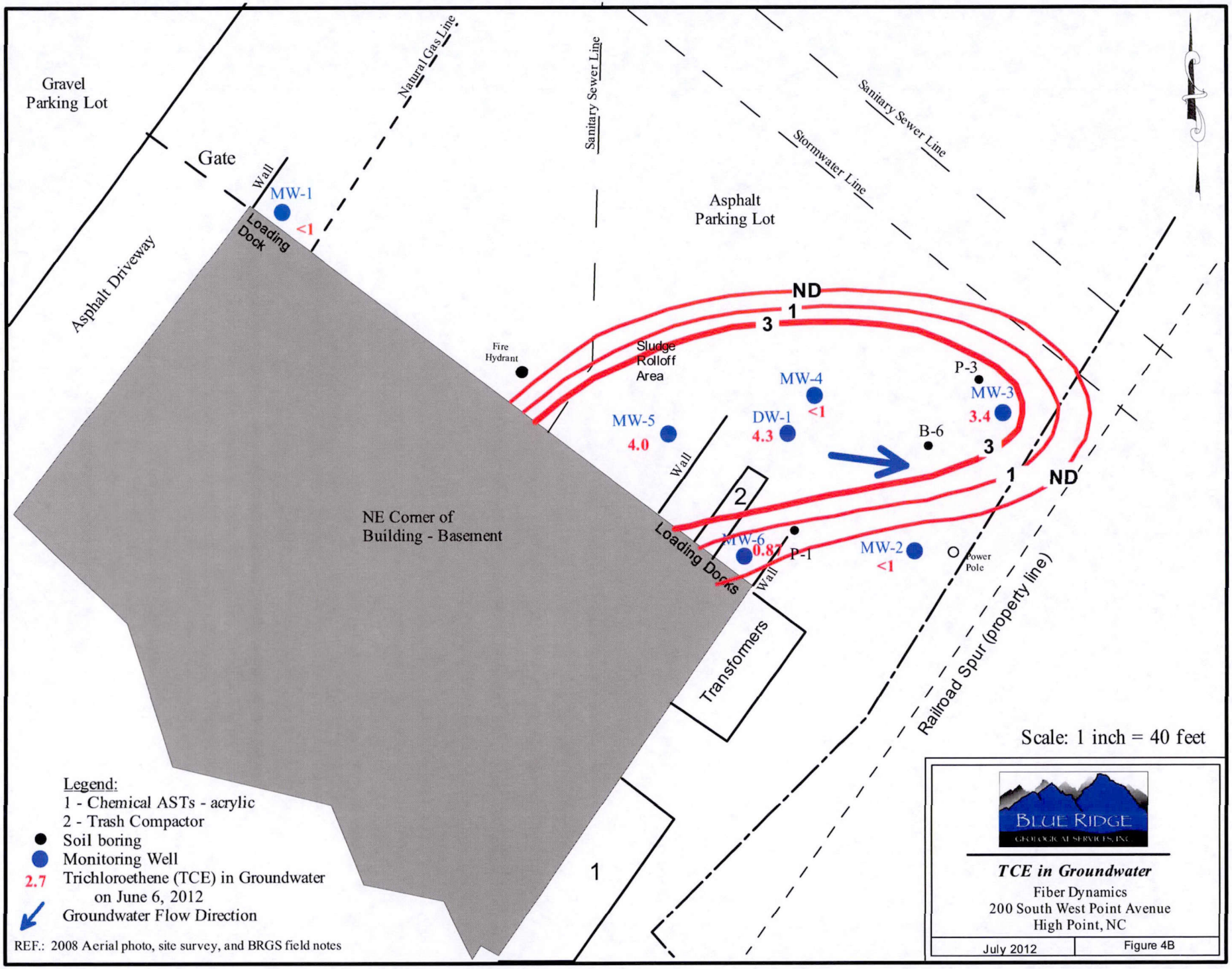
BLUE RIDGE
GEOLOGICAL SERVICES, INC

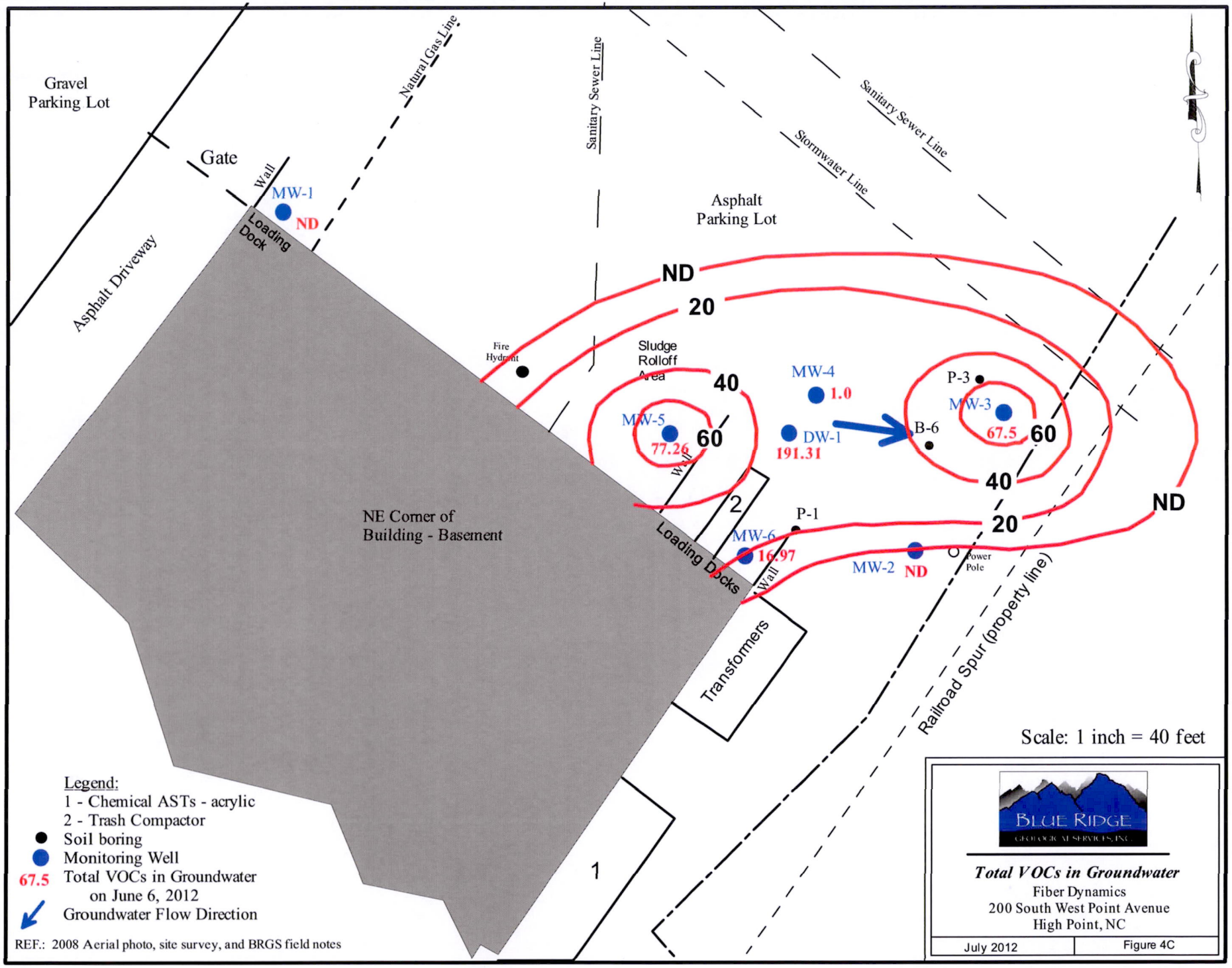
Aerial Photograph
Fiber Dynamics
200 South West Point Avenue
High Point, North Carolina

Nov 2011	Figure 2


Gravel Parking Lot
Gate
Wall
Asphalt Driveway
Loading Dock
MW-1
891.44
891
Natural Gas Line
889
Sanitary Sewer Line
887
Fire Hydrant
Sludge Rolloff Area
MW-5
886.64
Wall
Asphalt Parking Lot
885
Stormwater Line
MW-4
884.15
Sanitary Sewer Line
883
MW-3
881.71
881
NE Corner of Building - Basement
2
MW-6
883.30
Loading Docks
Wall
Transformers
1
883
MW-2
882.89
Power Pole
Railroad Spur (property line)
Scale: 1 inch = 40 feet
Legend:
1 - Chemical ASTs - acrylic
2 - Trash Compactor
Soil boring
Monitoring well
882.24 Groundwater Elevation (feet above NVD) on June 6, 2012
Groundwater Flow Direction
REF.: 2008 Aerial photo, site survey, and BRGS field notes
BLUE RIDGE
GEOLOGICAL SERVICES, INC
Groundwater Contour Map
Fiber Dynamics
200 South West Point Avenue
High Point, NC
July 2012
Figure 3


Gravel
Parking Lot
Gate
Wall
MW-1
<1
Loading
Dock
Asphalt Driveway
Natural Gas Line
Sanitary Sewer Line
Stormwater Line
Sanitary Sewer Line
Asphalt
Parking Lot
ND
0.7
10
Fire
Hydrant
Sludge
Rolloff
Area
MW-5
69.8
50
30
Wall
MW-4
<1
DW-1
78.5
P-3
MW-3
58.0
50
30
B-6
NE Corner of
Building - Basement
2
P-1
MW-6
15.7
Loading Docks
Wall
MW-2
<1
Power
Pole
10
0.7
ND
Transformers
Railroad Spur (property line)
1
Scale: 1 inch = 40 feet
Legend:
1 - Chemical ASTs - acrylic
2 - Trash Compactor
Soil boring
Monitoring Well
2.7 Tetrachloroethene (PCE) in Groundwater
on June 6, 2012
Groundwater Flow Direction
REF.: 2008 Aerial photo, site survey, and BRGS field notes
BLUE RIDGE
GEOLOGIC SERVICES, INC
PCE in Groundwater
Fiber Dynamics
200 South West Point Avenue
High Point, NC
July 2012
Figure 4A


Gravel Parking Lot
Gate
Wall
MW-1
<1
Loading Dock
Asphalt Driveway
Natural Gas Line
Sanitary Sewer Line
Stormwater Line
Sanitary Sewer Line
Asphalt Parking Lot
ND
1
3
Fire Hydrant
Sludge Rolloff Area
MW-4
<1
P-3
MW-3
3.4
MW-5
4.0
DW-1
4.3
B-6
3
1
ND
Wall
2
NE Corner of Building - Basement
Loading Docks
MW-6
0.87
P-1
MW-2
<1
Power Pole
Wall
Transformers
Railroad Spur (property line)
1
Scale: 1 inch = 40 feet
Legend:
1 - Chemical ASTs - acrylic
2 - Trash Compactor
Soil boring
Monitoring Well
2.7 Trichloroethene (TCE) in Groundwater on June 6, 2012
Groundwater Flow Direction
REF.: 2008 Aerial photo, site survey, and BRGS field notes
BLUE RIDGE
GEOLOGICAL SERVICES, INC
TCE in Groundwater
Fiber Dynamics
200 South West Point Avenue
High Point, NC
July 2012
Figure 4B


Gravel Parking Lot
Gate
Wall
MW-1
ND
Loading Dock
Asphalt Driveway
Natural Gas Line
Sanitary Sewer Line
Stormwater Line
Sanitary Sewer Line
Asphalt Parking Lot
ND
20
Fire Hydrant
Sludge Rolloff Area
40
MW-4
1.0
P-3
MW-3
67.5
60
MW-5
77.26
60
DW-1
191.31
B-6
40
ND
2
P-1
20
MW-6
16.97
MW-2
ND
Power Pole
Wall
Loading Docks
NE Corner of Building - Basement
Transformers
Railroad Spur (property line)
1
Scale: 1 inch = 40 feet
Legend:
1 - Chemical ASTs - acrylic
2 - Trash Compactor
Soil boring
Monitoring Well
67.5 Total VOCs in Groundwater on June 6, 2012
Groundwater Flow Direction
REF.: 2008 Aerial photo, site survey, and BRGS field notes
BLUE RIDGE
GEOLOGICAL SERVICES, INC.
Total VOCs in Groundwater
Fiber Dynamics
200 South West Point Avenue
High Point, NC
July 2012
Figure 4C

LABORATORY REPORT AND CHAIN OF CUSTODY FORM

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

June 19, 2012

Mr. Jeff Gerlock
Blue Ridge Geological Services
306 Eden Terrace
Suite C
Archdale, NC 27263

RE: Project: FIBER
Pace Project No.: 92120614

Dear Mr. Gerlock:
Enclosed are the analytical results for sample(s) received by the laboratory on June 07, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charles Hardin

tripp.hardin@pacelabs.com
Project Manager

Enclosures

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: FIBER
Pace Project No.: 92120614

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Virginia Drinking Water Certification #: 00213
Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DHH Drinking Water # LA 100031
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460144

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: FIBER
Pace Project No.: 92120614

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92120614001	MW-1	Water	06/06/12 13:20	06/07/12 18:20
92120614002	MW-2	Water	06/06/12 13:50	06/07/12 18:20
92120614003	MW-3	Water	06/06/12 15:05	06/07/12 18:20
92120614004	MW-4	Water	06/06/12 14:30	06/07/12 18:20
92120614005	MW-5	Water	06/06/12 14:40	06/07/12 18:20
92120614006	MW-6	Water	06/06/12 14:05	06/07/12 18:20
92120614007	DW-1	Water	06/06/12 15:15	06/07/12 18:20
92120614008	DUP	Water	06/06/12 00:00	06/07/12 18:20

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: FIBER
Pace Project No.: 92120614

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92120614001	MW-1	EPA 8260	MCK	63	PASI-C
92120614002	MW-2	EPA 8260	MCK	63	PASI-C
92120614003	MW-3	EPA 8260	MCK	63	PASI-C
92120614004	MW-4	EPA 8260	MCK	63	PASI-C
92120614005	MW-5	EPA 8260	MCK	63	PASI-C
92120614006	MW-6	EPA 8260	MCK	63	PASI-C
92120614007	DW-1	EPA 8260	KJM	63	PASI-C
92120614008	DUP	EPA 8260	KJM	63	PASI-C

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: FIBER
Pace Project No.: 92120614

Sample: MW-1 **Lab ID: 92120614001** Collected: 06/06/12 13:20 Received: 06/07/12 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		06/08/12 23:40	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		06/08/12 23:40	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		06/08/12 23:40	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		06/08/12 23:40	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		06/08/12 23:40	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		06/08/12 23:40	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		06/08/12 23:40	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		06/08/12 23:40	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		06/08/12 23:40	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		06/08/12 23:40	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		06/08/12 23:40	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		06/08/12 23:40	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		06/08/12 23:40	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		06/08/12 23:40	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		06/08/12 23:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		06/08/12 23:40	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		06/08/12 23:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		06/08/12 23:40	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		06/08/12 23:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		06/08/12 23:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		06/08/12 23:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		06/08/12 23:40	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		06/08/12 23:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		06/08/12 23:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		06/08/12 23:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		06/08/12 23:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		06/08/12 23:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		06/08/12 23:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		06/08/12 23:40	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		06/08/12 23:40	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		06/08/12 23:40	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		06/08/12 23:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		06/08/12 23:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		06/08/12 23:40	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		06/08/12 23:40	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		06/08/12 23:40	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		06/08/12 23:40	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.46	1		06/08/12 23:40	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		06/08/12 23:40	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		06/08/12 23:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		06/08/12 23:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		06/08/12 23:40	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		06/08/12 23:40	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		06/08/12 23:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		06/08/12 23:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		06/08/12 23:40	79-34-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: FIBER
Pace Project No.: 92120614

Sample: MW-1 **Lab ID: 92120614001** Collected: 06/06/12 13:20 Received: 06/07/12 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Tetrachloroethene	ND	ug/L	1.0	0.48	1		06/08/12 23:40	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		06/08/12 23:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		06/08/12 23:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		06/08/12 23:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		06/08/12 23:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		06/08/12 23:40	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		06/08/12 23:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		06/08/12 23:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		06/08/12 23:40	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		06/08/12 23:40	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		06/08/12 23:40	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		06/08/12 23:40	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		06/08/12 23:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		06/08/12 23:40	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		06/08/12 23:40	1868-53-7	
1,2-Dichloroethane-d4 (S)	113	%	70-130		1		06/08/12 23:40	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		06/08/12 23:40	2037-26-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7178

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: FIBER
Pace Project No.: 92120614

Sample: MW-2 **Lab ID: 92120614002** Collected: 06/06/12 13:50 Received: 06/07/12 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		06/08/12 23:56	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		06/08/12 23:56	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		06/08/12 23:56	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		06/08/12 23:56	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		06/08/12 23:56	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		06/08/12 23:56	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		06/08/12 23:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		06/08/12 23:56	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		06/08/12 23:56	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		06/08/12 23:56	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		06/08/12 23:56	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		06/08/12 23:56	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		06/08/12 23:56	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		06/08/12 23:56	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		06/08/12 23:56	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		06/08/12 23:56	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		06/08/12 23:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		06/08/12 23:56	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		06/08/12 23:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		06/08/12 23:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		06/08/12 23:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		06/08/12 23:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		06/08/12 23:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		06/08/12 23:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		06/08/12 23:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		06/08/12 23:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		06/08/12 23:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		06/08/12 23:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		06/08/12 23:56	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		06/08/12 23:56	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		06/08/12 23:56	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		06/08/12 23:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		06/08/12 23:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		06/08/12 23:56	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		06/08/12 23:56	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		06/08/12 23:56	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		06/08/12 23:56	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.46	1		06/08/12 23:56	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		06/08/12 23:56	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		06/08/12 23:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		06/08/12 23:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		06/08/12 23:56	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		06/08/12 23:56	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		06/08/12 23:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		06/08/12 23:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		06/08/12 23:56	79-34-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7178

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: FIBER
Pace Project No.: 92120614

Sample: MW-2 **Lab ID: 92120614002** Collected: 06/06/12 13:50 Received: 06/07/12 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Tetrachloroethene	ND	ug/L	1.0	0.46	1		06/08/12 23:56	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		06/08/12 23:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		06/08/12 23:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		06/08/12 23:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		06/08/12 23:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		06/08/12 23:56	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		06/08/12 23:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		06/08/12 23:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		06/08/12 23:56	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		06/08/12 23:56	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		06/08/12 23:56	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		06/08/12 23:56	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		06/08/12 23:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/08/12 23:56	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		06/08/12 23:56	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		06/08/12 23:56	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		06/08/12 23:56	2037-26-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: FIBER
Pace Project No.: 92120614

Sample: MW-3 **Lab ID: 92120614003** Collected: 06/06/12 15:05 Received: 06/07/12 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	*ND*	*ug/L*	*25.0*	*2.2*	*1*		*06/09/12 00:11*	*67-64-1*	
Benzene	ND	ug/L	1.0	0.25	1		06/09/12 00:11	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		06/09/12 00:11	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		06/09/12 00:11	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		06/09/12 00:11	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		06/09/12 00:11	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		06/09/12 00:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		06/09/12 00:11	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		06/09/12 00:11	56-23-5	
Chlorobenzene	1.6	ug/L	1.0	0.23	1		06/09/12 00:11	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		06/09/12 00:11	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		06/09/12 00:11	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		06/09/12 00:11	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		06/09/12 00:11	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		06/09/12 00:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		06/09/12 00:11	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		06/09/12 00:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		06/09/12 00:11	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		06/09/12 00:11	74-95-3	
1,2-Dichlorobenzene	1.4	ug/L	1.0	0.30	1		06/09/12 00:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		06/09/12 00:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		06/09/12 00:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		06/09/12 00:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		06/09/12 00:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		06/09/12 00:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		06/09/12 00:11	75-35-4	
cis-1,2-Dichloroethene	1.4	ug/L	1.0	0.19	1		06/09/12 00:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		06/09/12 00:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		06/09/12 00:11	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		06/09/12 00:11	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		06/09/12 00:11	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		06/09/12 00:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		06/09/12 00:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		06/09/12 00:11	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		06/09/12 00:11	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		06/09/12 00:11	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		06/09/12 00:11	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.46	1		06/09/12 00:11	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		06/09/12 00:11	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		06/09/12 00:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		06/09/12 00:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		06/09/12 00:11	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		06/09/12 00:11	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		06/09/12 00:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		06/09/12 00:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		06/09/12 00:11	79-34-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: FIBER
Pace Project No.: 92120614

Sample: MW-3 **Lab ID: 92120614003** Collected: 06/06/12 15:05 Received: 06/07/12 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Tetrachloroethene	*58.0*	*ug/L*	*1.0*	*0.46*	*1*		*06/09/12 00:11*	*127-18-4*	
Toluene	ND	ug/L	1.0	0.26	1		06/09/12 00:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		06/09/12 00:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		06/09/12 00:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		06/09/12 00:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		06/09/12 00:11	79-00-5	
Trichloroethene	3.4	ug/L	1.0	0.47	1		06/09/12 00:11	79-01-6	
Trichlorofluoromethane	1.7	ug/L	1.0	0.20	1		06/09/12 00:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		06/09/12 00:11	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		06/09/12 00:11	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		06/09/12 00:11	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		06/09/12 00:11	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		06/09/12 00:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/09/12 00:11	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		06/09/12 00:11	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		06/09/12 00:11	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		06/09/12 00:11	2037-26-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: FIBER
Pace Project No.: 92120614

Sample: MW-4 **Lab ID: 92120614004** Collected: 06/06/12 14:30 Received: 06/07/12 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		06/09/12 00:27	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		06/09/12 00:27	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		06/09/12 00:27	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		06/09/12 00:27	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		06/09/12 00:27	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		06/09/12 00:27	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		06/09/12 00:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		06/09/12 00:27	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		06/09/12 00:27	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		06/09/12 00:27	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		06/09/12 00:27	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		06/09/12 00:27	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		06/09/12 00:27	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		06/09/12 00:27	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		06/09/12 00:27	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		06/09/12 00:27	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		06/09/12 00:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		06/09/12 00:27	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		06/09/12 00:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		06/09/12 00:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		06/09/12 00:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		06/09/12 00:27	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		06/09/12 00:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		06/09/12 00:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		06/09/12 00:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		06/09/12 00:27	75-35-4	
cis-1,2-Dichloroethene	1.0	ug/L	1.0	0.19	1		06/09/12 00:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		06/09/12 00:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		06/09/12 00:27	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		06/09/12 00:27	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		06/09/12 00:27	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		06/09/12 00:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		06/09/12 00:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		06/09/12 00:27	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		06/09/12 00:27	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		06/09/12 00:27	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		06/09/12 00:27	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.46	1		06/09/12 00:27	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		06/09/12 00:27	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		06/09/12 00:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		06/09/12 00:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		06/09/12 00:27	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		06/09/12 00:27	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		06/09/12 00:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		06/09/12 00:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		06/09/12 00:27	79-34-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: FIBER
Pace Project No.: 92120614

Sample: MW-4 **Lab ID: 92120614004** Collected: 06/06/12 14:30 Received: 06/07/12 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Tetrachloroethene	ND	ug/L	1.0	0.46	1		06/09/12 00:27	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		06/09/12 00:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		06/09/12 00:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		06/09/12 00:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		06/09/12 00:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		06/09/12 00:27	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		06/09/12 00:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		06/09/12 00:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		06/09/12 00:27	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		06/09/12 00:27	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		06/09/12 00:27	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		06/09/12 00:27	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		06/09/12 00:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		06/09/12 00:27	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		06/09/12 00:27	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		06/09/12 00:27	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		06/09/12 00:27	2037-26-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: FIBER
Pace Project No.: 92120614

Sample: MW-5 **Lab ID: 92120614005** Collected: 06/06/12 14:40 Received: 06/07/12 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		06/09/12 00:43	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		06/09/12 00:43	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		06/09/12 00:43	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		06/09/12 00:43	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		06/09/12 00:43	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		06/09/12 00:43	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		06/09/12 00:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		06/09/12 00:43	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		06/09/12 00:43	56-23-5	
Chlorobenzene	0.56J	ug/L	1.0	0.23	1		06/09/12 00:43	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		06/09/12 00:43	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		06/09/12 00:43	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		06/09/12 00:43	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		06/09/12 00:43	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		06/09/12 00:43	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		06/09/12 00:43	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		06/09/12 00:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		06/09/12 00:43	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		06/09/12 00:43	74-95-3	
1,2-Dichlorobenzene	1.0J	ug/L	1.0	0.30	1		06/09/12 00:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		06/09/12 00:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		06/09/12 00:43	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		06/09/12 00:43	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		06/09/12 00:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		06/09/12 00:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		06/09/12 00:43	75-35-4	
cis-1,2-Dichloroethene	1.7	ug/L	1.0	0.19	1		06/09/12 00:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		06/09/12 00:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		06/09/12 00:43	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		06/09/12 00:43	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		06/09/12 00:43	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		06/09/12 00:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		06/09/12 00:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		06/09/12 00:43	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		06/09/12 00:43	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		06/09/12 00:43	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		06/09/12 00:43	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.46	1		06/09/12 00:43	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		06/09/12 00:43	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		06/09/12 00:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		06/09/12 00:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		06/09/12 00:43	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		06/09/12 00:43	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		06/09/12 00:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		06/09/12 00:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		06/09/12 00:43	79-34-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: FIBER
Pace Project No.: 92120614

Sample: MW-5 **Lab ID: 92120614005** Collected: 06/06/12 14:40 Received: 06/07/12 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Tetrachloroethene	59.1	ug/L	1.0	0.46	1		06/09/12 00:43	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		06/09/12 00:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		06/09/12 00:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		06/09/12 00:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		06/09/12 00:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		06/09/12 00:43	79-00-5	
Trichloroethene	3.6	ug/L	1.0	0.47	1		06/09/12 00:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		06/09/12 00:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		06/09/12 00:43	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		06/09/12 00:43	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		06/09/12 00:43	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		06/09/12 00:43	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		06/09/12 00:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		06/09/12 00:43	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		06/09/12 00:43	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		06/09/12 00:43	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		06/09/12 00:43	2037-26-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: FIBER
Pace Project No.: 92120614

Sample: MW-6 **Lab ID: 92120614006** Collected: 06/06/12 14:05 Received: 06/07/12 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		06/09/12 00:58	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		06/09/12 00:58	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		06/09/12 00:58	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		06/09/12 00:58	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		06/09/12 00:58	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		06/09/12 00:58	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		06/09/12 00:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		06/09/12 00:58	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		06/09/12 00:58	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		06/09/12 00:58	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		06/09/12 00:58	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		06/09/12 00:58	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		06/09/12 00:58	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		06/09/12 00:58	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		06/09/12 00:58	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		06/09/12 00:58	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		06/09/12 00:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		06/09/12 00:58	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		06/09/12 00:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		06/09/12 00:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		06/09/12 00:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		06/09/12 00:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		06/09/12 00:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		06/09/12 00:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		06/09/12 00:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		06/09/12 00:58	75-35-4	
cis-1,2-Dichloroethene	0.40J	ug/L	1.0	0.19	1		06/09/12 00:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		06/09/12 00:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		06/09/12 00:58	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		06/09/12 00:58	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		06/09/12 00:58	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		06/09/12 00:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		06/09/12 00:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		06/09/12 00:58	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		06/09/12 00:58	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		06/09/12 00:58	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		06/09/12 00:58	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.46	1		06/09/12 00:58	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		06/09/12 00:58	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		06/09/12 00:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		06/09/12 00:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		06/09/12 00:58	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		06/09/12 00:58	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		06/09/12 00:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		06/09/12 00:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		06/09/12 00:58	79-34-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: FIBER
Pace Project No.: 92120614

Sample: MW-6 **Lab ID: 92120614006** Collected: 06/06/12 14:05 Received: 06/07/12 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Tetrachloroethene	15.7	ug/L	1.0	0.46	1		06/09/12 00:58	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		06/09/12 00:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		06/09/12 00:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		06/09/12 00:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		06/09/12 00:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		06/09/12 00:58	79-00-5	
Trichloroethene	0.87J	ug/L	1.0	0.47	1		06/09/12 00:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		06/09/12 00:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		06/09/12 00:58	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		06/09/12 00:58	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		06/09/12 00:58	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		06/09/12 00:58	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		06/09/12 00:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		06/09/12 00:58	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		06/09/12 00:58	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		06/09/12 00:58	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		06/09/12 00:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: FIBER
Pace Project No.: 92120614

Sample: DW-1 **Lab ID: 92120614007** Collected: 06/06/12 15:15 Received: 06/07/12 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	**77.1**	ug/L	25.0	2.2	1		06/08/12 17:21	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		06/08/12 17:21	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		06/08/12 17:21	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		06/08/12 17:21	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		06/08/12 17:21	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		06/08/12 17:21	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		06/08/12 17:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		06/08/12 17:21	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		06/08/12 17:21	56-23-5	
Chlorobenzene	**0.54J**	ug/L	1.0	0.23	1		06/08/12 17:21	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		06/08/12 17:21	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		06/08/12 17:21	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		06/08/12 17:21	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		06/08/12 17:21	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		06/08/12 17:21	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		06/08/12 17:21	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		06/08/12 17:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		06/08/12 17:21	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		06/08/12 17:21	74-95-3	
1,2-Dichlorobenzene	**0.50J**	ug/L	1.0	0.30	1		06/08/12 17:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		06/08/12 17:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		06/08/12 17:21	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		06/08/12 17:21	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		06/08/12 17:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		06/08/12 17:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		06/08/12 17:21	75-35-4	
cis-1,2-Dichloroethene	**2.2**	ug/L	1.0	0.19	1		06/08/12 17:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		06/08/12 17:21	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		06/08/12 17:21	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		06/08/12 17:21	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		06/08/12 17:21	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		06/08/12 17:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		06/08/12 17:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		06/08/12 17:21	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		06/08/12 17:21	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		06/08/12 17:21	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		06/08/12 17:21	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.46	1		06/08/12 17:21	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		06/08/12 17:21	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		06/08/12 17:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	**27.8**	ug/L	5.0	0.33	1		06/08/12 17:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		06/08/12 17:21	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		06/08/12 17:21	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		06/08/12 17:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		06/08/12 17:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		06/08/12 17:21	79-34-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: FIBER
Pace Project No.: 92120614

Sample: DW-1 **Lab ID: 92120614007** Collected: 06/06/12 15:15 Received: 06/07/12 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Tetrachloroethene	**78.5**	ug/L	1.0	0.46	1		06/08/12 17:21	127-18-4	
Toluene	**0.37J**	ug/L	1.0	0.26	1		06/08/12 17:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		06/08/12 17:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		06/08/12 17:21	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		06/08/12 17:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		06/08/12 17:21	79-00-5	
Trichloroethene	**4.3**	ug/L	1.0	0.47	1		06/08/12 17:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		06/08/12 17:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		06/08/12 17:21	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		06/08/12 17:21	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		06/08/12 17:21	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		06/08/12 17:21	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		06/08/12 17:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		06/08/12 17:21	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		06/08/12 17:21	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		06/08/12 17:21	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		06/08/12 17:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: FIBER
Pace Project No.: 92120614

Sample: DUP **Lab ID: 92120614008** Collected: 06/06/12 00:00 Received: 06/07/12 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	2.2	1		06/08/12 17:39	67-64-1	
Benzene	ND	ug/L	1.0	0.25	1		06/08/12 17:39	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.30	1		06/08/12 17:39	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.17	1		06/08/12 17:39	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		06/08/12 17:39	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		06/08/12 17:39	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		06/08/12 17:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		06/08/12 17:39	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		06/08/12 17:39	56-23-5	
Chlorobenzene	0.60J	ug/L	1.0	0.23	1		06/08/12 17:39	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		06/08/12 17:39	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		06/08/12 17:39	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		06/08/12 17:39	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	0.35	1		06/08/12 17:39	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	0.31	1		06/08/12 17:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		06/08/12 17:39	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		06/08/12 17:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		06/08/12 17:39	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		06/08/12 17:39	74-95-3	
1,2-Dichlorobenzene	0.96J	ug/L	1.0	0.30	1		06/08/12 17:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		06/08/12 17:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		06/08/12 17:39	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		06/08/12 17:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		06/08/12 17:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		06/08/12 17:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		06/08/12 17:39	75-35-4	
cis-1,2-Dichloroethene	1.9	ug/L	1.0	0.19	1		06/08/12 17:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		06/08/12 17:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		06/08/12 17:39	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		06/08/12 17:39	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		06/08/12 17:39	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		06/08/12 17:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		06/08/12 17:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		06/08/12 17:39	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		06/08/12 17:39	108-20-3	
Ethylbenzene	ND	ug/L	1.0	0.30	1		06/08/12 17:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	0.71	1		06/08/12 17:39	87-68-3	
2-Hexanone	ND	ug/L	5.0	0.46	1		06/08/12 17:39	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	0.31	1		06/08/12 17:39	99-87-6	
Methylene Chloride	ND	ug/L	2.0	0.97	1		06/08/12 17:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		06/08/12 17:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.21	1		06/08/12 17:39	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.24	1		06/08/12 17:39	91-20-3	
Styrene	ND	ug/L	1.0	0.26	1		06/08/12 17:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		06/08/12 17:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		06/08/12 17:39	79-34-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: FIBER
Pace Project No.: 92120614

Sample: DUP **Lab ID: 92120614008** Collected: 06/06/12 00:00 Received: 06/07/12 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Tetrachloroethene	69.8	ug/L	1.0	0.46	1		06/08/12 17:39	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		06/08/12 17:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		06/08/12 17:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		06/08/12 17:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		06/08/12 17:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		06/08/12 17:39	79-00-5	
Trichloroethene	4.0	ug/L	1.0	0.47	1		06/08/12 17:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		06/08/12 17:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		06/08/12 17:39	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		06/08/12 17:39	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		06/08/12 17:39	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		06/08/12 17:39	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		06/08/12 17:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		06/08/12 17:39	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		06/08/12 17:39	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		06/08/12 17:39	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		06/08/12 17:39	2037-26-5	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9600 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: FIBER
Pace Project No.: 92120614

QC Batch: MSV/19382 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92120614001, 92120614002, 92120614003, 92120614004, 92120614005, 92120614006

METHOD BLANK: 775773 — Matrix: Water
Associated Lab Samples: 92120614001, 92120614002, 92120614003, 92120614004, 92120614005, 92120614006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	06/08/12 16:23	
1,1,1-Trichloroethane	ug/L	ND	1.0	06/08/12 16:23	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	06/08/12 16:23	
1,1,2-Trichloroethane	ug/L	ND	1.0	06/08/12 16:23	
1,1-Dichloroethane	ug/L	ND	1.0	06/08/12 16:23	
1,1-Dichloroethene	ug/L	ND	1.0	06/08/12 16:23	
1,1-Dichloropropene	ug/L	ND	1.0	06/08/12 16:23	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	06/08/12 16:23	
1,2,3-Trichloropropane	ug/L	ND	1.0	06/08/12 16:23	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	06/08/12 16:23	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	06/08/12 16:23	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	06/08/12 16:23	
1,2-Dichlorobenzene	ug/L	ND	1.0	06/08/12 16:23	
1,2-Dichloroethane	ug/L	ND	1.0	06/08/12 16:23	
1,2-Dichloropropane	ug/L	ND	1.0	06/08/12 16:23	
1,3-Dichlorobenzene	ug/L	ND	1.0	06/08/12 16:23	
1,3-Dichloropropane	ug/L	ND	1.0	06/08/12 16:23	
1,4-Dichlorobenzene	ug/L	ND	1.0	06/08/12 16:23	
2,2-Dichloropropane	ug/L	ND	1.0	06/08/12 16:23	
2-Butanone (MEK)	ug/L	ND	5.0	06/08/12 16:23	
2-Chlorotoluene	ug/L	ND	1.0	06/08/12 16:23	
2-Hexanone	ug/L	ND	5.0	06/08/12 16:23	
4-Chlorotoluene	ug/L	ND	1.0	06/08/12 16:23	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	06/08/12 16:23	
Acetone	ug/L	ND	25.0	06/08/12 16:23	
Benzene	ug/L	ND	1.0	06/08/12 16:23	
Bromobenzene	ug/L	ND	1.0	06/08/12 16:23	
Bromochloromethane	ug/L	ND	1.0	06/08/12 16:23	
Bromodichloromethane	ug/L	ND	1.0	06/08/12 16:23	
Bromoform	ug/L	ND	1.0	06/08/12 16:23	
Bromomethane	ug/L	ND	2.0	06/08/12 16:23	
Carbon tetrachloride	ug/L	ND	1.0	06/08/12 16:23	
Chlorobenzene	ug/L	ND	1.0	06/08/12 16:23	
Chloroethane	ug/L	ND	1.0	06/08/12 16:23	
Chloroform	ug/L	ND	1.0	06/08/12 16:23	
Chloromethane	ug/L	ND	1.0	06/08/12 16:23	
cis-1,2-Dichloroethene	ug/L	ND	1.0	06/08/12 16:23	
cis-1,3-Dichloropropene	ug/L	ND	1.0	06/08/12 16:23	
Dibromochloromethane	ug/L	ND	1.0	06/08/12 16:23	
Dibromomethane	ug/L	ND	1.0	06/08/12 16:23	
Dichlorodifluoromethane	ug/L	ND	1.0	06/08/12 16:23	
Diisopropyl ether	ug/L	ND	1.0	06/08/12 16:23	
Ethylbenzene	ug/L	ND	1.0	06/08/12 16:23	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9600 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: FIBER
Pace Project No.: 92120614

METHOD BLANK: 775773 — Matrix: Water
Associated Lab Samples: 92120614001, 92120614002, 92120614003, 92120614004, 92120614005, 92120614006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.0	06/08/12 16:23	
m&p-Xylene	ug/L	ND	2.0	06/08/12 16:23	
Methyl-tert-butyl ether	ug/L	ND	1.0	06/08/12 16:23	
Methylene Chloride	ug/L	ND	2.0	06/08/12 16:23	
Naphthalene	ug/L	ND	1.0	06/08/12 16:23	
o-Xylene	ug/L	ND	1.0	06/08/12 16:23	
p-Isopropyltoluene	ug/L	ND	1.0	06/08/12 16:23	
Styrene	ug/L	ND	1.0	06/08/12 16:23	
Tetrachloroethene	ug/L	ND	1.0	06/08/12 16:23	
Toluene	ug/L	ND	1.0	06/08/12 16:23	
trans-1,2-Dichloroethene	ug/L	ND	1.0	06/08/12 16:23	
trans-1,3-Dichloropropene	ug/L	ND	1.0	06/08/12 16:23	
Trichloroethene	ug/L	ND	1.0	06/08/12 16:23	
Trichlorofluoromethane	ug/L	ND	1.0	06/08/12 16:23	
Vinyl acetate	ug/L	ND	2.0	06/08/12 16:23	
Vinyl chloride	ug/L	ND	1.0	06/08/12 16:23	
1,2-Dichloroethane-d4 (S)	%	106	70-130	06/08/12 16:23	
4-Bromofluorobenzene (S)	%	102	70-130	06/08/12 16:23	
Dibromofluoromethane (S)	%	110	70-130	06/08/12 16:23	
Toluene-d8 (S)	%	100	70-130	06/08/12 16:23	

LABORATORY CONTROL SAMPLE: 775774

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.0	104	70-130	
1,1,1-Trichloroethane	ug/L	50	46.8	94	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.3	103	70-130	
1,1,2-Trichloroethane	ug/L	50	54.0	108	70-130	
1,1-Dichloroethane	ug/L	50	43.5	87	70-130	
1,1-Dichloroethene	ug/L	50	49.4	99	70-132	
1,1-Dichloropropene	ug/L	50	49.0	98	70-130	
1,2,3-Trichlorobenzene	ug/L	50	52.8	106	70-135	
1,2,3-Trichloropropane	ug/L	50	54.6	109	70-130	
1,2,4-Trichlorobenzene	ug/L	50	52.9	106	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	54.7	109	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	52.6	105	70-130	
1,2-Dichlorobenzene	ug/L	50	48.7	97	70-130	
1,2-Dichloroethane	ug/L	50	49.0	98	70-130	
1,2-Dichloropropane	ug/L	50	49.3	99	70-130	
1,3-Dichlorobenzene	ug/L	50	49.0	98	70-130	
1,3-Dichloropropane	ug/L	50	50.5	101	70-130	
1,4-Dichlorobenzene	ug/L	50	49.0	98	70-130	
2,2-Dichloropropane	ug/L	50	45.2	90	58-145	
2-Butanone (MEK)	ug/L	100	96.2	96	70-145	
2-Chlorotoluene	ug/L	50	47.1	94	70-130	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9600 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: FIBER
Pace Project No.: 92120614

LABORATORY CONTROL SAMPLE: 775774

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/L	100	96.4	96	70-144	
4-Chlorotoluene	ug/L	50	49.2	98	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	100	100	70-140	
Acetone	ug/L	100	103	103	50-175	
Benzene	ug/L	50	47.0	94	70-130	
Bromobenzene	ug/L	50	48.5	97	70-130	
Bromochloromethane	ug/L	50	50.3	101	70-130	
Bromodichloromethane	ug/L	50	50.8	102	70-130	
Bromoform	ug/L	50	55.1	110	70-130	
Bromomethane	ug/L	50	73.1	146	54-130	L3
Carbon tetrachloride	ug/L	50	52.4	105	70-132	
Chlorobenzene	ug/L	50	49.6	99	70-130	
Chloroethane	ug/L	50	107	215	64-134	L3
Chloroform	ug/L	50	48.1	96	70-130	
Chloromethane	ug/L	50	58.2	116	64-130	
cis-1,2-Dichloroethene	ug/L	50	47.7	95	70-131	
cis-1,3-Dichloropropene	ug/L	50	48.9	98	70-130	
Dibromochloromethane	ug/L	50	51.6	103	70-130	
Dibromomethane	ug/L	50	50.6	101	70-131	
Dichlorodifluoromethane	ug/L	50	38.7	77	56-130	
Diisopropyl ether	ug/L	50	48.3	97	70-130	
Ethylbenzene	ug/L	50	50.8	102	70-130	
Hexachloro-1,3-butadiene	ug/L	50	57.3	115	70-130	
m&p-Xylene	ug/L	100	99.3	99	70-130	
Methyl-tert-butyl ether	ug/L	50	51.3	103	70-130	
Methylene Chloride	ug/L	50	50.0	100	63-130	
Naphthalene	ug/L	50	52.5	105	70-138	
o-Xylene	ug/L	50	48.1	96	70-130	
p-Isopropyltoluene	ug/L	50	53.3	107	70-130	
Styrene	ug/L	50	51.0	102	70-130	
Tetrachloroethene	ug/L	50	49.7	99	70-130	
Toluene	ug/L	50	48.1	96	70-130	
trans-1,2-Dichloroethene	ug/L	50	46.9	94	70-130	
trans-1,3-Dichloropropene	ug/L	50	50.5	101	70-132	
Trichloroethene	ug/L	50	52.0	104	70-130	
Trichlorofluoromethane	ug/L	50	55.8	112	62-133	
Vinyl acetate	ug/L	100	90.6	91	66-157	
Vinyl chloride	ug/L	50	50.8	102	69-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			102	70-130	
Toluene-d8 (S)	%			101	70-130	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9600 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: FIBER
Pace Project No.: 92120614

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 775775 775776

Parameter	Units	92120614005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	59.1	55.8	118	112	70-166	6	30	
Benzene	ug/L	ND	50	50	48.1	50.9	96	102	70-148	6	30	
Chlorobenzene	ug/L	0.56J	50	50	60.1	59.0	119	117	70-146	2	30	
Toluene	ug/L	ND	50	50	55.2	55.5	110	111	70-155	1	30	
Trichloroethene	ug/L	3.6	50	50	63.2	61.4	119	116	69-151	3	30	
1,2-Dichloroethane-d4 (S)	%						104	102	70-130			
4-Bromofluorobenzene (S)	%						101	99	70-130			
Dibromofluoromethane (S)	%						104	99	70-130			
Toluene-d8 (S)	%						96	98	70-130			

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: FIBER
Pace Project No.: 92120614

QC Batch: MSV/19383 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92120614007, 92120614008

METHOD BLANK: 775785 — Matrix: Water
Associated Lab Samples: 92120614007, 92120614008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	06/08/12 13:21	
1,1,1-Trichloroethane	ug/L	ND	1.0	06/08/12 13:21	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	06/08/12 13:21	
1,1,2-Trichloroethane	ug/L	ND	1.0	06/08/12 13:21	
1,1-Dichloroethane	ug/L	ND	1.0	06/08/12 13:21	
1,1-Dichloroethene	ug/L	ND	1.0	06/08/12 13:21	
1,1-Dichloropropene	ug/L	ND	1.0	06/08/12 13:21	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	06/08/12 13:21	
1,2,3-Trichloropropane	ug/L	ND	1.0	06/08/12 13:21	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	06/08/12 13:21	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	06/08/12 13:21	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	06/08/12 13:21	
1,2-Dichlorobenzene	ug/L	ND	1.0	06/08/12 13:21	
1,2-Dichloroethane	ug/L	ND	1.0	06/08/12 13:21	
1,2-Dichloropropane	ug/L	ND	1.0	06/08/12 13:21	
1,3-Dichlorobenzene	ug/L	ND	1.0	06/08/12 13:21	
1,3-Dichloropropane	ug/L	ND	1.0	06/08/12 13:21	
1,4-Dichlorobenzene	ug/L	ND	1.0	06/08/12 13:21	
2,2-Dichloropropane	ug/L	ND	1.0	06/08/12 13:21	
2-Butanone (MEK)	ug/L	ND	5.0	06/08/12 13:21	
2-Chlorotoluene	ug/L	ND	1.0	06/08/12 13:21	
2-Hexanone	ug/L	ND	5.0	06/08/12 13:21	
4-Chlorotoluene	ug/L	ND	1.0	06/08/12 13:21	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	06/08/12 13:21	
Acetone	ug/L	ND	25.0	06/08/12 13:21	
Benzene	ug/L	ND	1.0	06/08/12 13:21	
Bromobenzene	ug/L	ND	1.0	06/08/12 13:21	
Bromochloromethane	ug/L	ND	1.0	06/08/12 13:21	
Bromodichloromethane	ug/L	ND	1.0	06/08/12 13:21	
Bromoform	ug/L	ND	1.0	06/08/12 13:21	
Bromomethane	ug/L	ND	2.0	06/08/12 13:21	
Carbon tetrachloride	ug/L	ND	1.0	06/08/12 13:21	
Chlorobenzene	ug/L	ND	1.0	06/08/12 13:21	
Chloroethane	ug/L	ND	1.0	06/08/12 13:21	
Chloroform	ug/L	ND	1.0	06/08/12 13:21	
Chloromethane	ug/L	ND	1.0	06/08/12 13:21	
cis-1,2-Dichloroethene	ug/L	ND	1.0	06/08/12 13:21	
cis-1,3-Dichloropropene	ug/L	ND	1.0	06/08/12 13:21	
Dibromochloromethane	ug/L	ND	1.0	06/08/12 13:21	
Dibromomethane	ug/L	ND	1.0	06/08/12 13:21	
Dichlorodifluoromethane	ug/L	ND	1.0	06/08/12 13:21	
Diisopropyl ether	ug/L	ND	1.0	06/08/12 13:21	
Ethylbenzene	ug/L	ND	1.0	06/08/12 13:21	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: FIBER
Pace Project No.: 92120614

METHOD BLANK: 775785 — Matrix: Water
Associated Lab Samples: 92120614007, 92120614008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	1.4	1.0	06/08/12 13:21	
m&p-Xylene	ug/L	ND	2.0	06/08/12 13:21	
Methyl-tert-butyl ether	ug/L	ND	1.0	06/08/12 13:21	
Methylene Chloride	ug/L	ND	2.0	06/08/12 13:21	
Naphthalene	ug/L	ND	1.0	06/08/12 13:21	
o-Xylene	ug/L	ND	1.0	06/08/12 13:21	
p-Isopropyltoluene	ug/L	0.47J	1.0	06/08/12 13:21	
Styrene	ug/L	ND	1.0	06/08/12 13:21	
Tetrachloroethene	ug/L	ND	1.0	06/08/12 13:21	
Toluene	ug/L	ND	1.0	06/08/12 13:21	
trans-1,2-Dichloroethene	ug/L	ND	1.0	06/08/12 13:21	
trans-1,3-Dichloropropene	ug/L	ND	1.0	06/08/12 13:21	
Trichloroethene	ug/L	ND	1.0	06/08/12 13:21	
Trichlorofluoromethane	ug/L	ND	1.0	06/08/12 13:21	
Vinyl acetate	ug/L	ND	2.0	06/08/12 13:21	
Vinyl chloride	ug/L	ND	1.0	06/08/12 13:21	
1,2-Dichloroethane-d4 (S)	%	108	70-130	06/08/12 13:21	
4-Bromofluorobenzene (S)	%	108	70-130	06/08/12 13:21	
Dibromofluoromethane (S)	%	100	70-130	06/08/12 13:21	
Toluene-d8 (S)	%	97	70-130	06/08/12 13:21	

LABORATORY CONTROL SAMPLE: 775786

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.0	108	70-130	
1,1,1-Trichloroethane	ug/L	50	44.4	89	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	44.3	89	70-130	
1,1,2-Trichloroethane	ug/L	50	52.1	104	70-130	
1,1-Dichloroethane	ug/L	50	36.9	74	70-130	
1,1-Dichloroethene	ug/L	50	47.7	95	70-132	
1,1-Dichloropropene	ug/L	50	43.2	86	70-130	
1,2,3-Trichlorobenzene	ug/L	50	61.2	122	70-135	
1,2,3-Trichloropropane	ug/L	50	52.4	105	70-130	
1,2,4-Trichlorobenzene	ug/L	50	60.9	122	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	56.1	112	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	49.8	100	70-130	
1,2-Dichlorobenzene	ug/L	50	50.9	102	70-130	
1,2-Dichloroethane	ug/L	50	47.1	94	70-130	
1,2-Dichloropropane	ug/L	50	43.8	88	70-130	
1,3-Dichlorobenzene	ug/L	50	50.2	100	70-130	
1,3-Dichloropropane	ug/L	50	45.0	90	70-130	
1,4-Dichlorobenzene	ug/L	50	49.2	98	70-130	
2,2-Dichloropropane	ug/L	50	48.4	97	58-145	
2-Butanone (MEK)	ug/L	100	81.0	81	70-145	
2-Chlorotoluene	ug/L	50	47.7	95	70-130	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: FIBER
Pace Project No.: 92120614

LABORATORY CONTROL SAMPLE: 775786

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/L	100	96.6	97	70-144	
4-Chlorotoluene	ug/L	50	50.5	101	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	97.0	97	70-140	
Acetone	ug/L	100	94.9	95	50-175	
Benzene	ug/L	50	45.7	91	70-130	
Bromobenzene	ug/L	50	44.2	88	70-130	
Bromochloromethane	ug/L	50	47.1	94	70-130	
Bromodichloromethane	ug/L	50	51.7	103	70-130	
Bromoform	ug/L	50	54.0	108	70-130	
Bromomethane	ug/L	50	60.6	121	54-130	
Carbon tetrachloride	ug/L	50	59.0	118	70-132	
Chlorobenzene	ug/L	50	48.4	97	70-130	
Chloroethane	ug/L	50	54.3	109	64-134	
Chloroform	ug/L	50	44.6	89	70-130	
Chloromethane	ug/L	50	38.3	77	64-130	
cis-1,2-Dichloroethene	ug/L	50	44.5	89	70-131	
cis-1,3-Dichloropropene	ug/L	50	52.8	106	70-130	
Dibromochloromethane	ug/L	50	54.7	109	70-130	
Dibromomethane	ug/L	50	57.1	114	70-131	
Dichlorodifluoromethane	ug/L	50	55.3	111	56-130	
Diisopropyl ether	ug/L	50	40.4	81	70-130	
Ethylbenzene	ug/L	50	49.9	100	70-130	
Hexachloro-1,3-butadiene	ug/L	50	65.6	131	70-130	L3
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	50.8	102	70-130	
Methylene Chloride	ug/L	50	52.2	104	63-130	
Naphthalene	ug/L	50	51.1	102	70-138	
o-Xylene	ug/L	50	45.1	90	70-130	
p-Isopropyltoluene	ug/L	50	52.0	104	70-130	
Styrene	ug/L	50	45.6	91	70-130	
Tetrachloroethene	ug/L	50	53.7	107	70-130	
Toluene	ug/L	50	48.9	98	70-130	
trans-1,2-Dichloroethene	ug/L	50	44.2	88	70-130	
trans-1,3-Dichloropropene	ug/L	50	57.1	114	70-132	
Trichloroethene	ug/L	50	52.1	104	70-130	
Trichlorofluoromethane	ug/L	50	60.7	121	62-133	
Vinyl acetate	ug/L	100	93.7	94	66-157	
Vinyl chloride	ug/L	50	44.6	89	69-130	
1,2-Dichloroethane-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			114	70-130	
Dibromofluoromethane (S)	%			92	70-130	
Toluene-d8 (S)	%			101	70-130	

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: FIBER
Pace Project No.: 92120614

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 775787 775788

Parameter	Units	92120516004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	52.9	52.1	106	104	70-166	1	30	
Benzene	ug/L	ND	50	50	36.8	36.1	74	72	70-148	2	30	
Chlorobenzene	ug/L	ND	50	50	49.6	48.9	99	98	70-146	2	30	
Toluene	ug/L	ND	50	50	47.2	47.1	94	94	70-155	0	30	
Trichloroethene	ug/L	ND	50	50	51.4	50.8	103	102	69-151	1	30	
1,2-Dichloroethane-d4 (S)	%						110	109	70-130			
4-Bromofluorobenzene (S)	%						106	104	70-130			
Dibromofluoromethane (S)	%						100	98	70-130			
Toluene-d8 (S)	%						94	95	70-130			

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALIFIERS

Project: FIBER
Pace Project No.: 92120614

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PRL - Pace Reporting Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FIBER
Pace Project No.: 92120614

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92120614001	MW-1	EPA 8260	MSV/19382		
92120614002	MW-2	EPA 8260	MSV/19382		
92120614003	MW-3	EPA 8260	MSV/19382		
92120614004	MW-4	EPA 8260	MSV/19382		
92120614005	MW-5	EPA 8260	MSV/19382		
92120614006	MW-6	EPA 8260	MSV/19382		
92120614007	DW-1	EPA 8260	MSV/19383		
92120614008	DUP	EPA 8260	MSV/19383		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

Data File: \\Wt\chem\92msv6.i\060812.b\06081244.D Page 1
Report Date: 19-Jun-2012 11:04

Pace Analytical Services, Inc.

TENTATIVELY IDENTIFIED COMPOUNDS

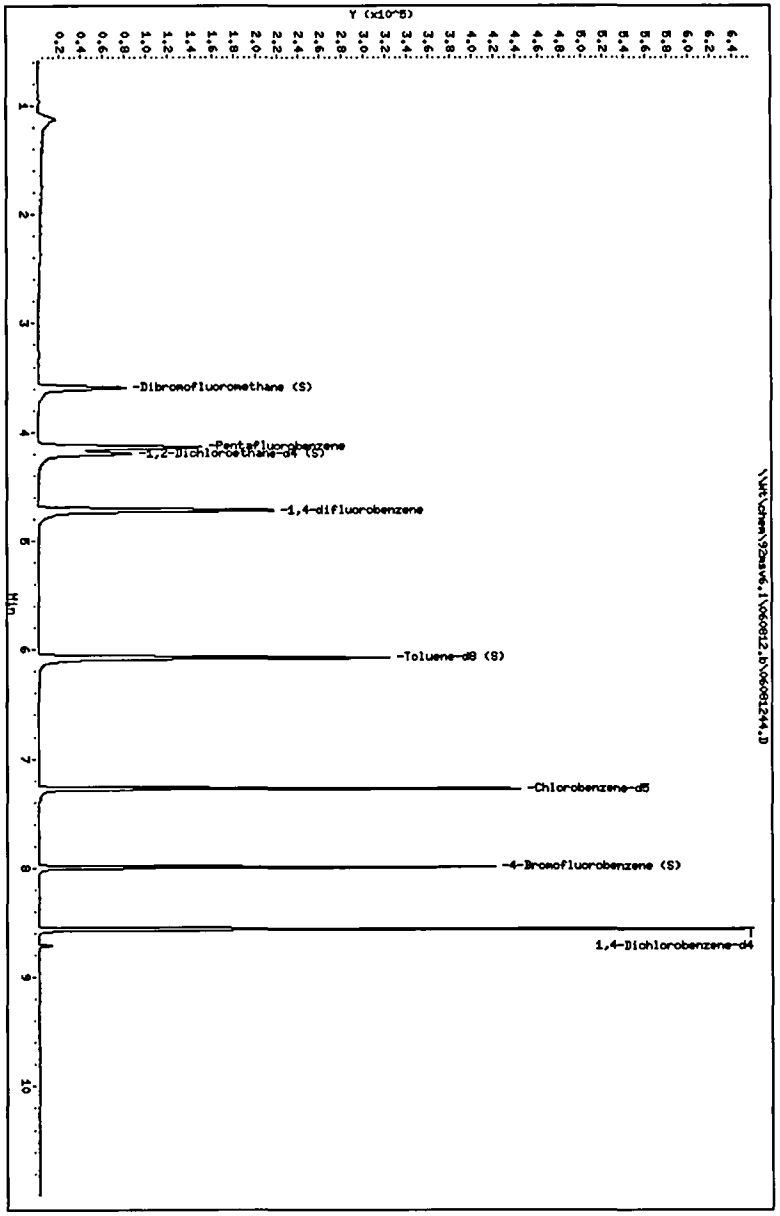
Client Name: Blue Ridge Geologica07-JUN-2012 00:00 Client SDG: 9212061
Lab Smp Id: 92120614001 Client Smp ID: MW-1
Operator : MCK Sample Date: 06-JUN-2012
Sample Location: Sample Point:
Sample Matrix: WATER Date Received:07-JUN-2012 00:00
Analysis Type: VOA Level: LOW
Inj Date: 08-JUN-2012 23:40

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Data File: \\Wt\chem\92msv6.i\060812.b\06081244.D
Date : 06-JUN-2012 23:40
Client ID: MW-1
Sample Info: 060812,826044L,MCK,1
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 92msv6.i
Operator: MCK
Column diameter: 0.18



Data File: \\Wt\chem\92msv6.i\060812.b\06081245.D Page 1
Report Date: 19-Jun-2012 11:04

Pace Analytical Services, Inc.

TENTATIVELY IDENTIFIED COMPOUNDS

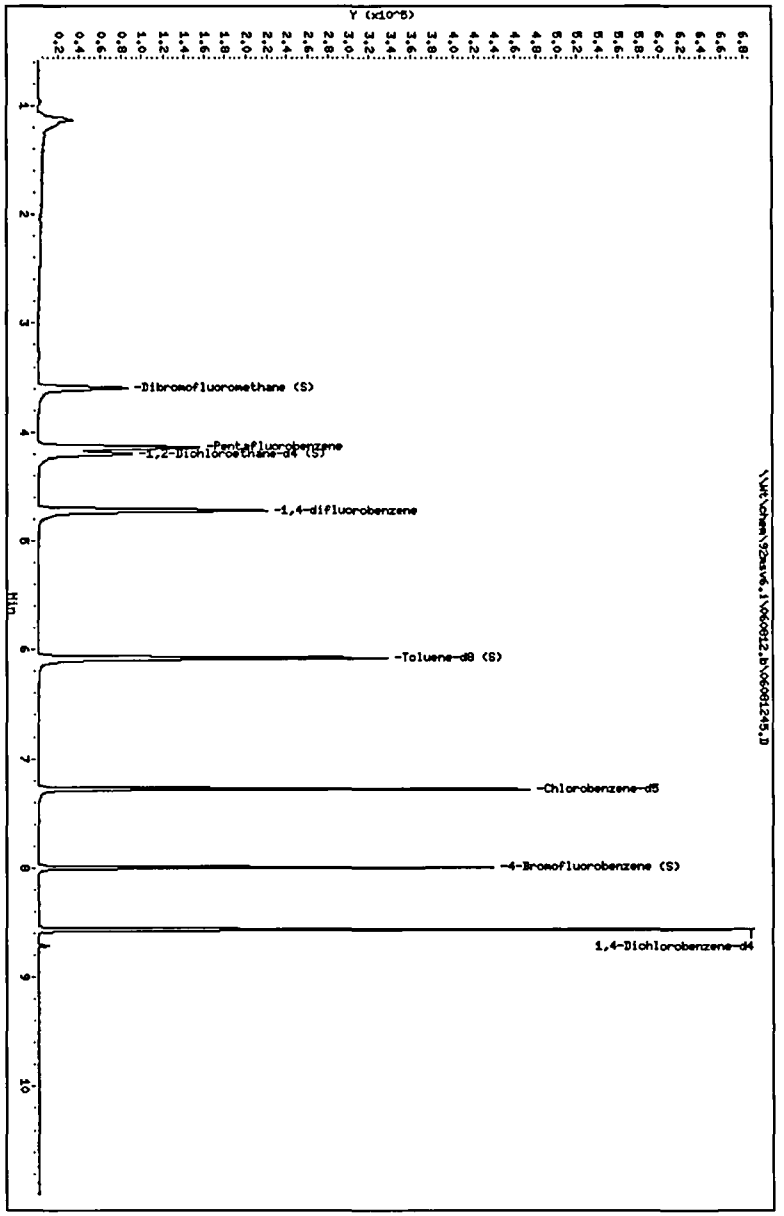
Client Name: Blue Ridge Geologica07-JUN-2012 00:00 Client SDG: 9212061
Lab Smp Id: 92120614002 Client Smp ID: MW-2
Operator : MCK Sample Date: 06-JUN-2012
Sample Location: Sample Point:
Sample Matrix: WATER Date Received:07-JUN-2012 00:00
Analysis Type: VOA Level: LOW
Inj Date: 08-JUN-2012 23:56

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Data File: \\Wt\chem\92msv6.i\060812.b\06081245.D
Date : 06-JUN-2012 23:56
Client ID: MW-2
Sample Info: 060812.B260ML.MCK.1
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 92msv6.i
Operator: MCK
Column diameter: 0.18



Data File: \\Wt\chem\92msv6.i\060812.b\06081246.D
Report Date: 19-Jun-2012 11:04

Pace Analytical Services, Inc.

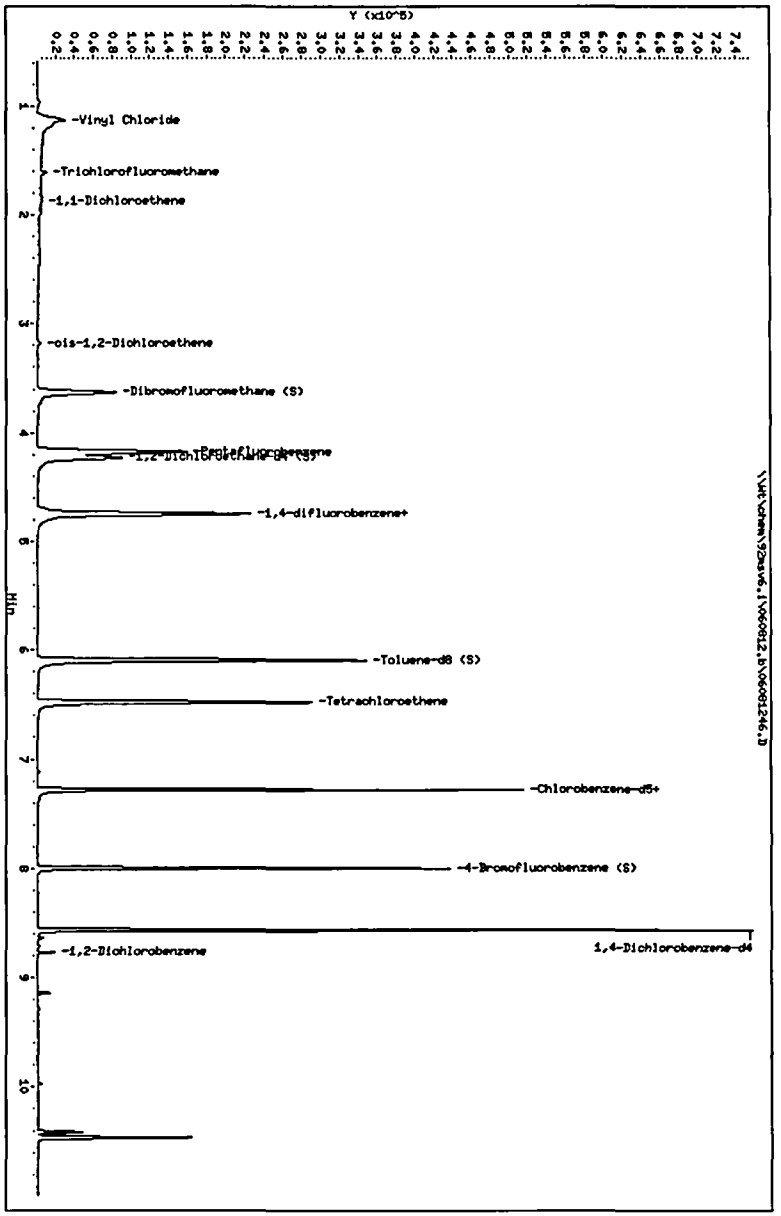
TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: Blue Ridge Geologica07-JUN-2012 00:00 Client SDG: 9212061
Lab Smp Id: 92120614003 Client Smp ID: MW-3
Operator : MCK Sample Date: 06-JUN-2012
Sample Location: Sample Point:
Sample Matrix: WATER Date Received:07-JUN-2012 00:00
Analysis Type: VOA Level: LOW
Inj Date: 09-JUN-2012 00:11

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 101-84-8	Diphenyl ether	10.463	13.5	NJ



Data File: \\Wt\chem\92msv6.i\060812.b\06081247.D
Report Date: 19-Jun-2012 11:04

Pace Analytical Services, Inc.

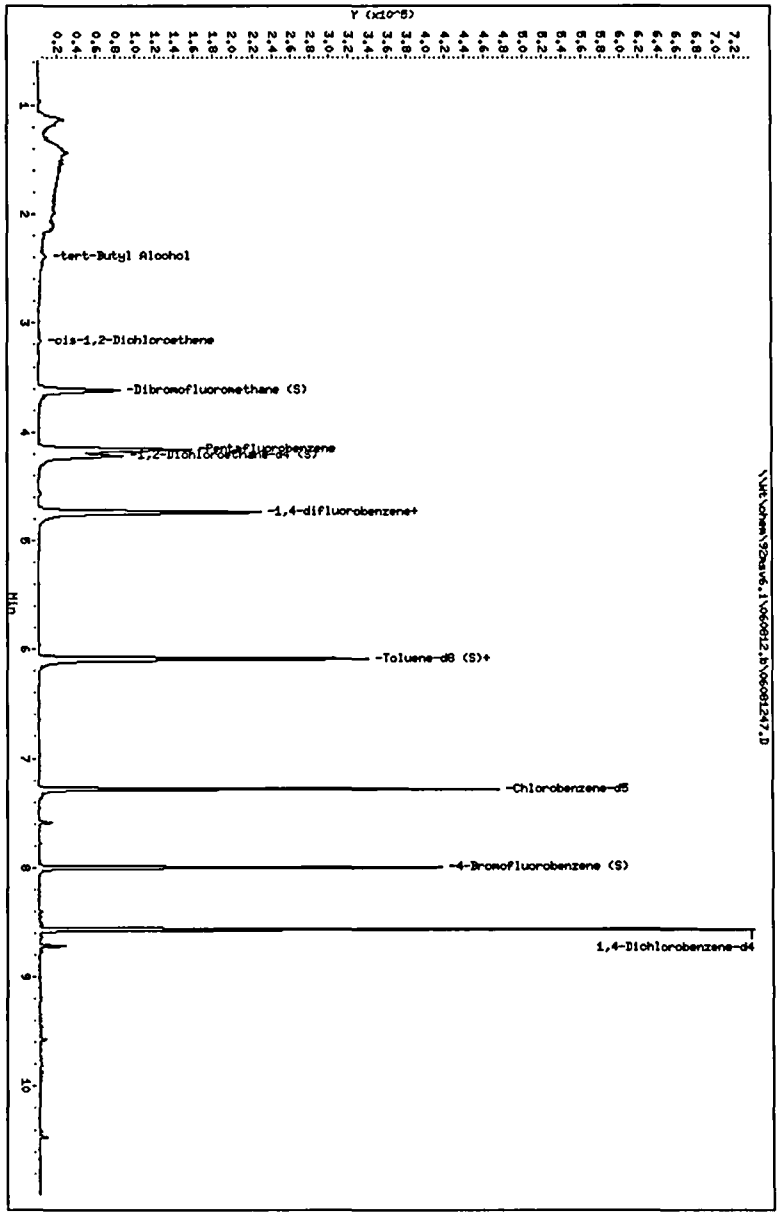
TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: Blue Ridge Geologica07-JUN-2012 00:00 Client SDG: 9212061
Lab Smp Id: 92120614004 Client Smp ID: MW-4
Operator : MCK Sample Date: 06-JUN-2012
Sample Location: Sample Point:
Sample Matrix: WATER Date Received:07-JUN-2012 00:00
Analysis Type: VOA Level: LOW
Inj Date: 09-JUN-2012 00:27

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 7446-09-5	Sulfur dioxide	1.405	8.96	NJ__



Data File: \\Wt\chem\92msv6.i\060812.b\06081248.D
Report Date: 19-Jun-2012 11:04

Pace Analytical Services, Inc.

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: Blue Ridge Geologica07-JUN-2012 00:00 Client SDG: 9212061
Lab Smp Id: 92120614005 Client Smp ID: MW-5
Operator : MCK Sample Date: 06-JUN-2012
Sample Location: Sample Point:
Sample Matrix: WATER Date Received:07-JUN-2012 00:00
Analysis Type: VOA Level: LOW
Inj Date: 09-JUN-2012 00:43

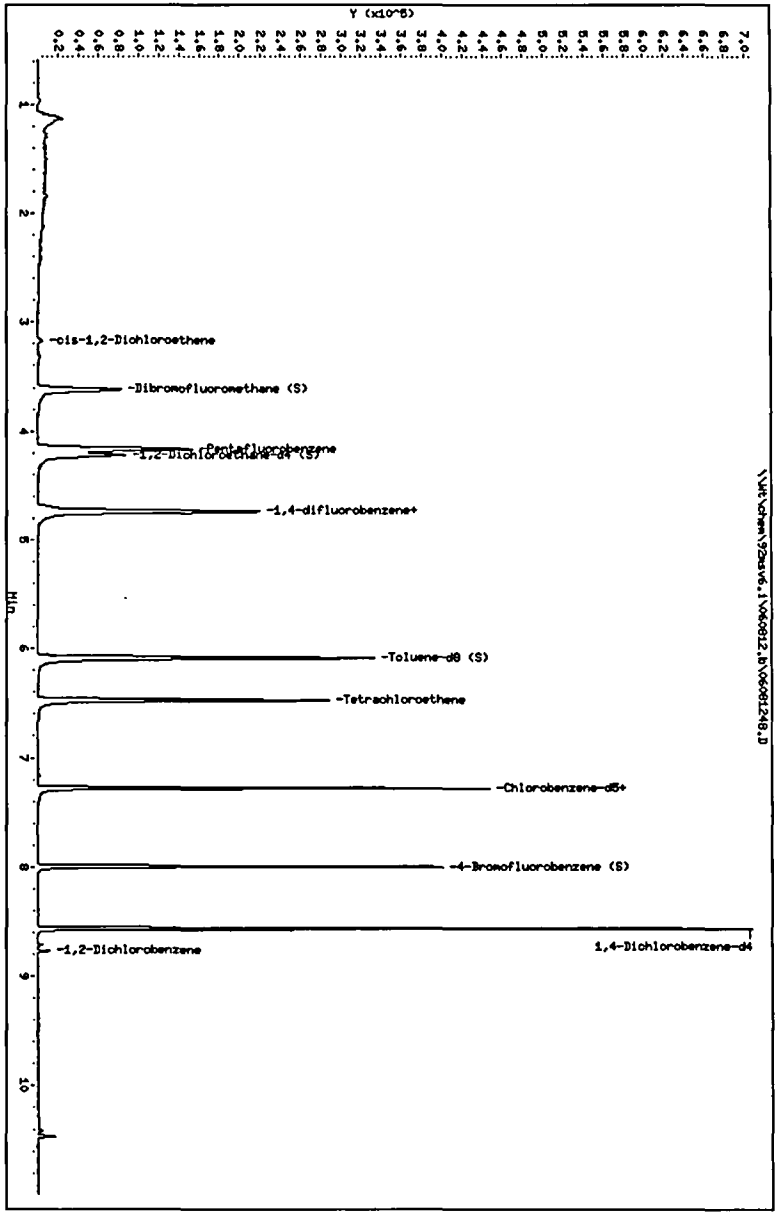
Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

Data File: \\Wt\chem\92msv6.i\060812.b\06081248.D
Date : 09-JUN-2012 00:43
Client ID: MW-5
Sample Info: 060812,B260ALL,MCK,1
Purge Volume: 5.0
Column phase: RTX-VMS

Instrument: 92msv6.i
Operator: MCK
Column diameter: 0.18



Data File: \\Wt\chem\92msv6.i\060812.b\06081249.D Page 1
Report Date: 19-Jun-2012 11:04

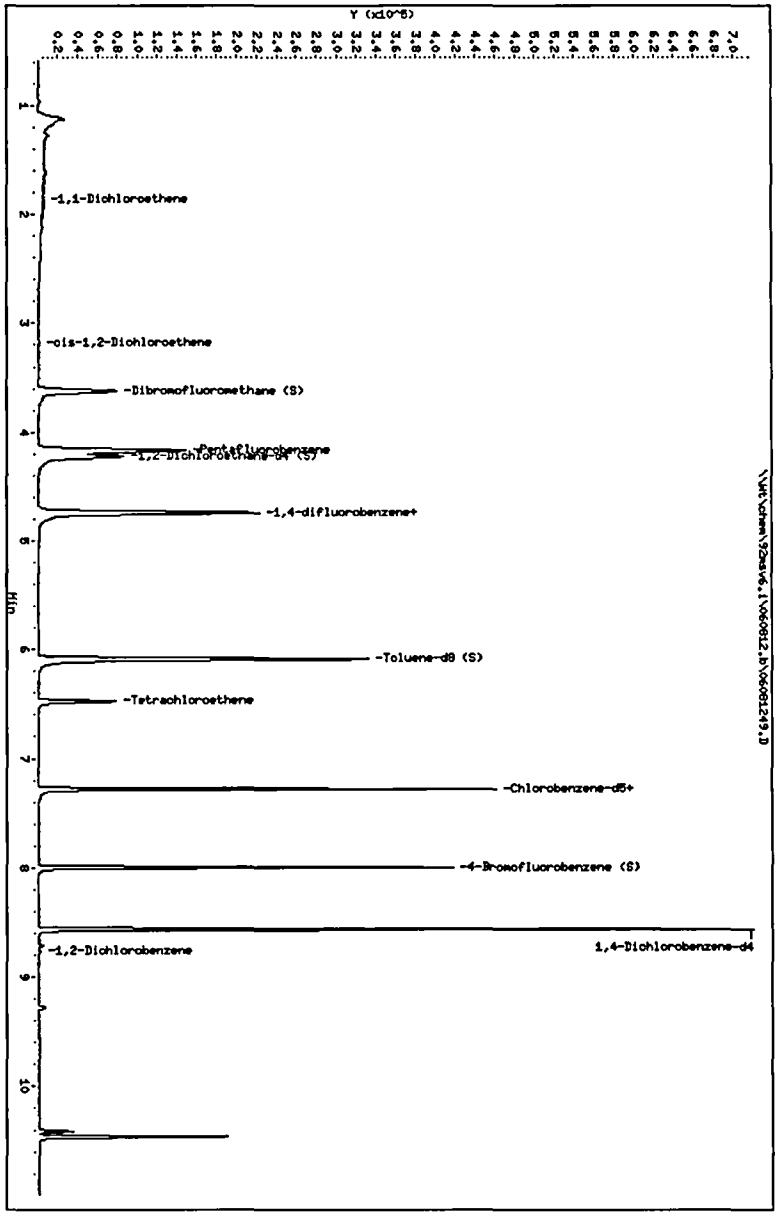
Pace Analytical Services, Inc.

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: Blue Ridge Geologica07-JUN-2012 00:00 Client SDG: 9212061
Lab Smp Id: 92120614006 Client Smp ID: MW-6
Operator : MCK Sample Date: 06-JUN-2012
Sample Location: Sample Point:
Sample Matrix: WATER Date Received:07-JUN-2012 00:00
Analysis Type: VOA Level: LOW
Inj Date: 09-JUN-2012 00:58

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 101-84-8	Diphenyl ether	10.463	16.7	NJ



Data File: \\Wt\chem\92msv5.i\060812.b\06081220.D Page 1
Report Date: 19-Jun-2012 11:04

Pace Analytical Services, Inc.

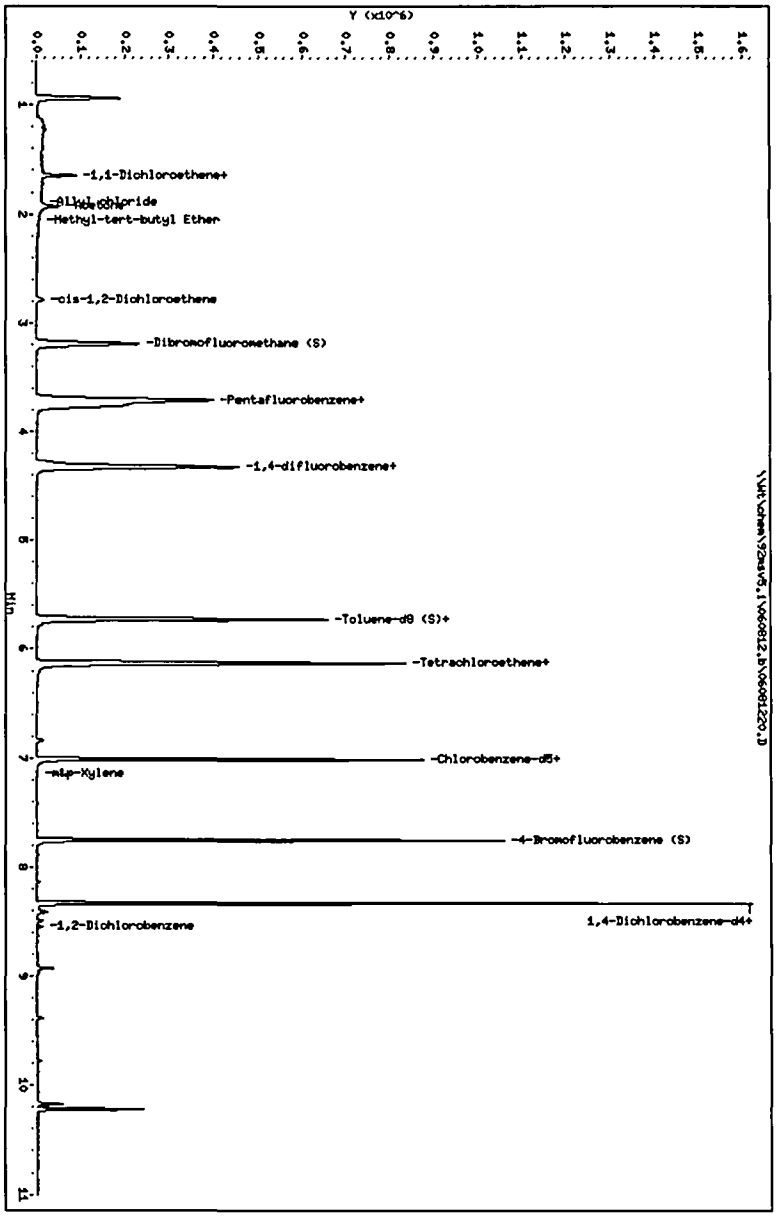
TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: Blue Ridge Geologica07-JUN-2012 00:00 Client SDG: 9212061
Lab Smp Id: 92120614007 Client Smp ID: DW-1
Operator : KJM Sample Date: 06-JUN-2012
Sample Location: Sample Point:
Sample Matrix: WATER Date Received:07-JUN-2012 00:00
Analysis Type: VOA Level: LOW
Inj Date: 08-JUN-2012 17:21

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 101-84-8	Diphenyl ether	10.221	8.65	NJ__



Page 2

Data File: \\Wt\chem\92msv5.i\060812.b\06081221.D
Report Date: 19-Jun-2012 11:04

Pace Analytical Services, Inc.

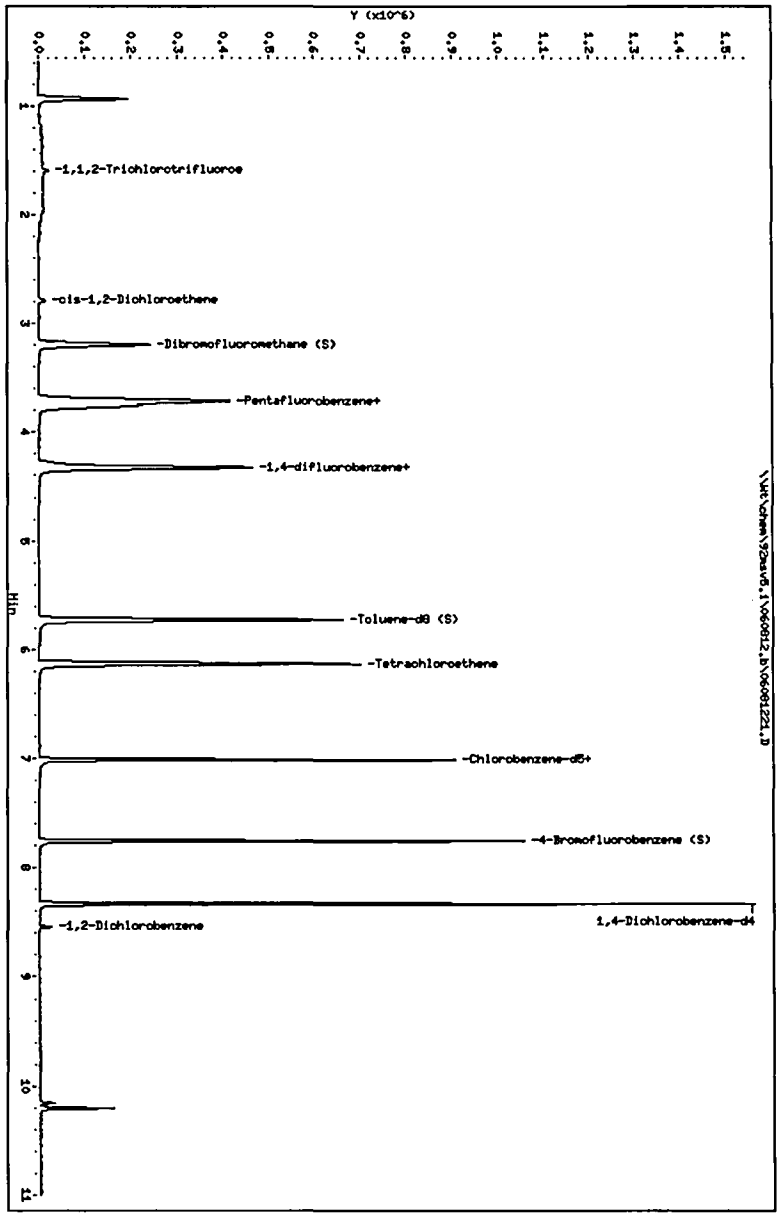
TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: Blue Ridge Geologica07-JUN-2012 00:00 Client SDG: 9212061
Lab Smp Id: 92120614008 Client Smp ID: DUP
Operator : KJM Sample Date: 06-JUN-2012
Sample Location: Sample Point:
Sample Matrix: WATER Date Received:07-JUN-2012 00:00
Analysis Type: VOA Level: LOW
Inj Date: 08-JUN-2012 17:39

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 101-84-8	Diphenyl ether	10.206	5.74	NJ__



Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1449939

Section A Required Client Information:

Company: Blue Ridge Geological Svcs
Address: 306 Eden Terrace, Ste C
Archdale NC 27263
Email To: jeff.gerlock@gmail.com
Phone: 336-431-5454 Fax:
Requested Due Date/TAT: Std

Section B Required Project Information:

Report To: Jeff Gerlock
Copy To:
Purchase Order No.:
Project Name: Fiber
Project Number: 201241

Section C Invoice Information:

Attention: Jeff Gerlock
Company Name: BRGS
Address:
Pace Quote Reference:
Pace Project Manager: K. Dillon / ~~E. Walters~~ J. Hardin
Pace Profile #: 1450 - 2

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER ~~EHBS~~ IHSB

Site Location STATE: NC

Requested Analysis Filtered (Y/N)

Matrix Codes: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: VOCs 8260+10 TICS	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-1	WT	G			6/6/12	1320		3				3								001
2	MW-2						1350														002
3	MW-3						1505														003
4	MW-4						1430														004
5	MW-5						1440														005
6	MW-6						1405														006
7	DW-1						1515														007
8	DUP						—														008
9																					
10																					
11																					
12																					

9/2/2014

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Follow NCDENR IHSB	[signature]	6/7/12	1514	[signature] Pace	6-7-12	1514				
Guidelines for QA/QC + TICS	[signature] pace	6-7-12	1820	Monroe Pace	6/7/12	1820	5.4	4	U	4

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Jeff Gerlock
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 6/6/12

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.