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LIMITED PHASE II ASSESSMENT

Hanesbrands Industrial Facility
700 South Stratford Road
Winston-Salem, Forsyth County, North Carolina
W&R Project No. 02090145.0

Prepared for:

THE CROWN COMPANIES, LLC AND/OR ITS RELATED ASSIGNS
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MAY 13, 2009

May 13, 2009

The Crown Companies, LLC
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PO Box 341
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Attn: Mr. Tim Dockery

Reference: **Limited Phase II Assessment**
Hanesbrands Industrial Facility
700 South Stratford Road
Winston-Salem, Forsyth County, North Carolina
W&R Project No. 02090145.00

Mr. Dockery:

Withers & Ravenel (W&R) has completed limited Phase II assessment activities for the above-referenced site. This report documents the groundwater assessment work completed by W&R in April 2009. W&R conducted the investigation for the purpose of evaluating areas of concern which were identified through past assessment work and visits to the site.

The findings of this investigation have revealed the presence of groundwater impacts from RCRA metals, petroleum and chlorinated hydrocarbons exceeding regulatory standards established by the State of North Carolina Department of Environment and Natural Resources. This investigation did not completely define the extent of contamination from releases of on this property. The available data suggests that contamination on-site may have originated from multiple sources.

Based on our findings, we recommend that the current property owner report this information to the N.C. Division of Waste Management and initiate the completion of additional assessment activities to characterize and delineate the groundwater contamination identified on-site and determine the source of that contamination.

We appreciate this opportunity to complete this work for The Crown Companies, LLC. Please contact us with any questions about this report.

Sincerely,
WITHERS & RAVENEL, INC.

C. Chan Bryant, P.E.
Vice President – Project Manager

Timothy J. Murray, E.I.
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1 Introduction

Withers & Ravenel (W&R) has completed limited Phase II assessment activities for the Hanesbrands Industrial Facility in Winston-Salem, North Carolina. The assessment was completed for The Crown Companies, LLC, and/or its related assigns, herein referred to as the Client.

This report documents the groundwater investigation completed by W&R during the April 2009 sampling event.

2 Background

2.1 Site History

According to site representatives the property had been the subject of past assessment activities. W&R was provided with the following historical assessment data completed for the subject site by the Client:

Date Submitted	Report Type	Report Title	Completed by:
August 2007	Asbestos Survey Report	Hanesbrands, Inc.	Workplace Group
	Phase I Environmental Site Assessment (ESA)	Hanesbrands Products Facility	Delta Environmental Consultants of North Carolina, PC
November 2007	Phase II ESA*	Former Hanesbrands Site	
December 2007	Limited Site Assessment (LSA)	Former 20,000-Gallon Diesel Fuel Underground Storage Tank Release	
	LSA	Former 550 Gal Heating Oil Diesel Fuel Underground Storage Tank Release	
	Underground Storage Tank (UST) Closure Report	Former 8,000-Gallon Diesel Fuel and 3,000–Gallon Gasoline UST	
	UST Closure Report	Former 10,000-Gallon Diesel Fuel UST	

***Note** – All soil and groundwater assessment activities documented in the reports listed above were included in the Phase II ESA completed by Delta Environmental in November 2007. Copies of Table and Figures from the Delta Environmental Phase II ESA are included in the **Appendix**.

Following a visit to the site and observation of the buildings, W&R developed a scope of work for limited Phase II assessment activities. This scope included the additional assessment of groundwater in select locations across at the facility in order to determine the presence or absence of groundwater contamination in various areas of the site, particularly those in the vicinity of the identified areas of concern. The areas of concern are discussed in **Section 2.2**.

The results of the investigation are described in **Section 3.0**.

2.2 Areas of Concern

The following areas of concern were evaluated in completing the Phase II investigation:

Building 3 (W1, W2, W4)

This building contained the remnants of a textile dye and finishing operation as well as a printing operation and included various pits for dye equipment, trenches for wastewater collection, chemical storage and mixing areas, a copper recovery wastewater pretreatment system and a general wastewater pretreatment system.

Fuel Oil Tank Farm East of Building 3 (W3)

This tank farm has buried piping between the AST systems and the northeast corner of Building 3.

Salt Tanks & Brine Pit (W5)

Two aboveground storage tanks and a pit, constructed of concrete, are located south of building 9. The pit is used for the mixing of brine solution for the textile finishing operations in building 3.

Chemical AST Farm

The secondary containment structure is present for two former textile finishing chemicals, Leucophor and Alkaflo, that were used in the manufacturing operations.

Electrical Substation (W5)

A fenced compound containing transformers and other electrical equipment is located east of Building 5. The transformers are known to contain large quantities of insulating oil that may have historically contained PCBs.

Chemical Storage Building 7 (W6)

This building was used for chemical storage to support the plant operations. In addition, Figure 2 from the November 2007 Phase II ESA (See **Appendix C**) indicates that buried debris may be present

Varsol Storage Area (W7)

A facility map posted on a wall of the plant showed a varsol storage area north of building 6. Varsol is a petroleum distillate sometimes known as mineral spirits. It appears from the map that the material was possibly stored in a tank outside the building and had process lines for routing into the building.

Buried Debris (w9, W10)

The potential for the presence of buried debris at the site is a concern.

3 Limited Phase Groundwater Assessment

3.1 Methodology

Soil borings for each groundwater monitoring well were initially advanced using a track mounted GeoProbe with continuous soil screening until groundwater was encountered. Soils were removed in two foot intervals every five feet from the Macro-Core Sample Tube with a Macro-Core PETG Liner inside (GeoProbe), classified, and collected into individual zip-lock bags. The collected samples were then field screened using a Mini-Rae® Photo Ionization Detector (PID) for the presence of volatile organic compounds (VOCs) field screened typical of potential petroleum hydrocarbons. The PID is an industry accepted scanning device used to detect the presence of organic vapors, but is not relied entirely upon to determine specific levels of contamination. Soils encountered throughout the borings indicated a predominance of silty clays, clayey sands, sandy clays, and sands. Samples were also assessed through visual and olfactory observations. Soil boring logs are included in the **Appendix**.

Upon determining the approximate depth of groundwater, the borings were then extended an additional 7 to 8 feet below the water table depth using a hollow stem prior to setting the well. Once set the monitoring wells were allowed to equilibrate for at least 24 hours prior to sampling. All groundwater samples were collected in laboratory cleaned glass containers with clean nitrile non-latex gloves via a sampling pump connected to small diameter polyethylene tubing and placed in a cooler of ice. Under proper chain-of-custody, the samples were submitted to Environmental Science Corporation (ESC) in Mt. Juliet, Tennessee under "standard" turnaround times. See **Tables 1** and **2** for monitoring well construction data and a summary of the groundwater sample results, respectively.

3.2 Field Activities

W&R mobilized to the site on April 13th, 2009 with subsurface utility crews to identify and mark subsurface utilities in the vicinity of the planned monitoring well locations.

W&R returned to the site on April 16, 17, and 20 through 22, 2009 with Quantex, Inc., a subcontract drilling company, to install a total of ten (10) Type II monitoring wells labeled

W1 through W10. The locations of the wells are shown on **Figure 2**. The PID screening revealed no obvious signs of contamination in the soil borings. Refer the attached boring logs for soil classifications and PID readings in **Appendix A**.

All groundwater samples were analyzed for volatile organics (VOCs) by EPA Method 8260B, for chlorides by EPA Method 9056, for total suspended solids by EPA Method 2540D, and for RCRA Metals by EPA Methods 6010B and 7470A. The samples from locations W2, W3, and W7 were also analyzed for SVOCs by EPA Method 8270C.

3.3 Results of Laboratory Analyses

Laboratory analysis revealed that samples collected from four of the ten monitoring wells contained concentrations of one or more parameters above 2L Standards.

Summary of GW Results: 2L Standards Violations			
Well ID	**Parameter**	**Concentration (µg/l)**	**2L Standard**
W3	Chloride	2,700,000	250,000
	Barium	6,300	2000
	PCE (Tetrachloroethene)	10	0.7
W4	Benzene	1.8	1
	Naphthalene	43	21
W8	PCE (Tetrachloroethene)	130	0.7
W8	PCE (Tetrachloroethene)	5	0.7

Laboratory analyses indicate the presence of PCE at concentrations that exceed 2L Standards in three (3) of the ten wells sampled (W3, W8, W9). W8 contained the highest concentration of PCE (130 µg/l). According to Table 1 from the Delta Environmental Phase II ESA report (**Appendix D**) all historical groundwater samples were analyzed for volatile organics (VOCs), which included chlorinated products. Chlorinated compounds were not detected above 2L standards in groundwater samples collected in past assessments. See **Figure 3** for the historical groundwater sampling locations.

Laboratory analyses of samples collected from monitoring well W4 revealed the presence of various petroleum-related parameters, including lead, benzene (2L violation), isopropylbenzene, p-isopropylbenzene, naphthalene (2L violation), 1,2,3-Trimethylbenzene, 1,3,5-Trimethylbenzene, and total xylenes.

Barium was detected at varying concentrations for all ten (10) wells sampled. The barium concentration for W3 exceeded the 2L standard. Barium was detected above 2L Standards

(2,100 µg/l) in a historical monitoring well sample collected from well EP-1, shown on **Figure 3**. No additional historical well samples completed by Delta Environmental were analyzed for barium or other RCRA Metals.

The results of the laboratory analyses performed are summarized in **Table 4**. Past and present groundwater sampling locations and respective 2L violations are shown on **Figures 2** and **3**. See the laboratory analytical report provided in **Appendix B** for a complete list of the parameters tested for this investigation.

4 Conclusions

Based on the results of our Phase II ESA activities, we offer the following conclusions:

- Field screening of soils revealed no indication of contamination. In addition no obvious signs of staining or odors were observed in the soils during field activities on-site.

- PCE contamination above regulatory 2L Standards is present in three (3) of the ten wells sampled (W3, W8, W9). Historical groundwater analyses did not reveal any PCE concentrations in samples collected from the seven monitoring wells depicted on **Figure 3** and installed during this phase of the investigation or the previous wells installed by Delta Environmental. Based on the relative location of each of the three the wells it is unclear where the source(s) of PCE contamination is/are located on-site.

- Petroleum-related impacts were detected in W4, which is located north of Building 3. The results are similar petroleum impact found in sampled collected on June 5th, 2007 from Delta Environmental well FO-1, which is located approximately 75 feet to the west.

- Concentrations of barium were detected above laboratory detection limits in all 10 wells sampled, with one sample (W3) having a concentration that exceeded the 2L Standard. These results correlate with the barium concentration listed a historical monitoring well sample collected from Delta well EP-1, located approximately 190 feet to the west, which also exceeded the 2L standard. Based on the results it is likely that the presence of barium may be due to the presence of this element in the native soil matrix.

W&R recommends that the current property owner report this information to the regulatory authorities and in turn initiate the completion of additional assessment activities to characterize and delineate the PCE, chloride and petroleum impacts in the groundwater identified on-site. The source of the contamination should be determined if possible during this investigation, however, in many cases for large industrial sites with relatively low concentrations of groundwater impacts this may not be realized through future investigation efforts.

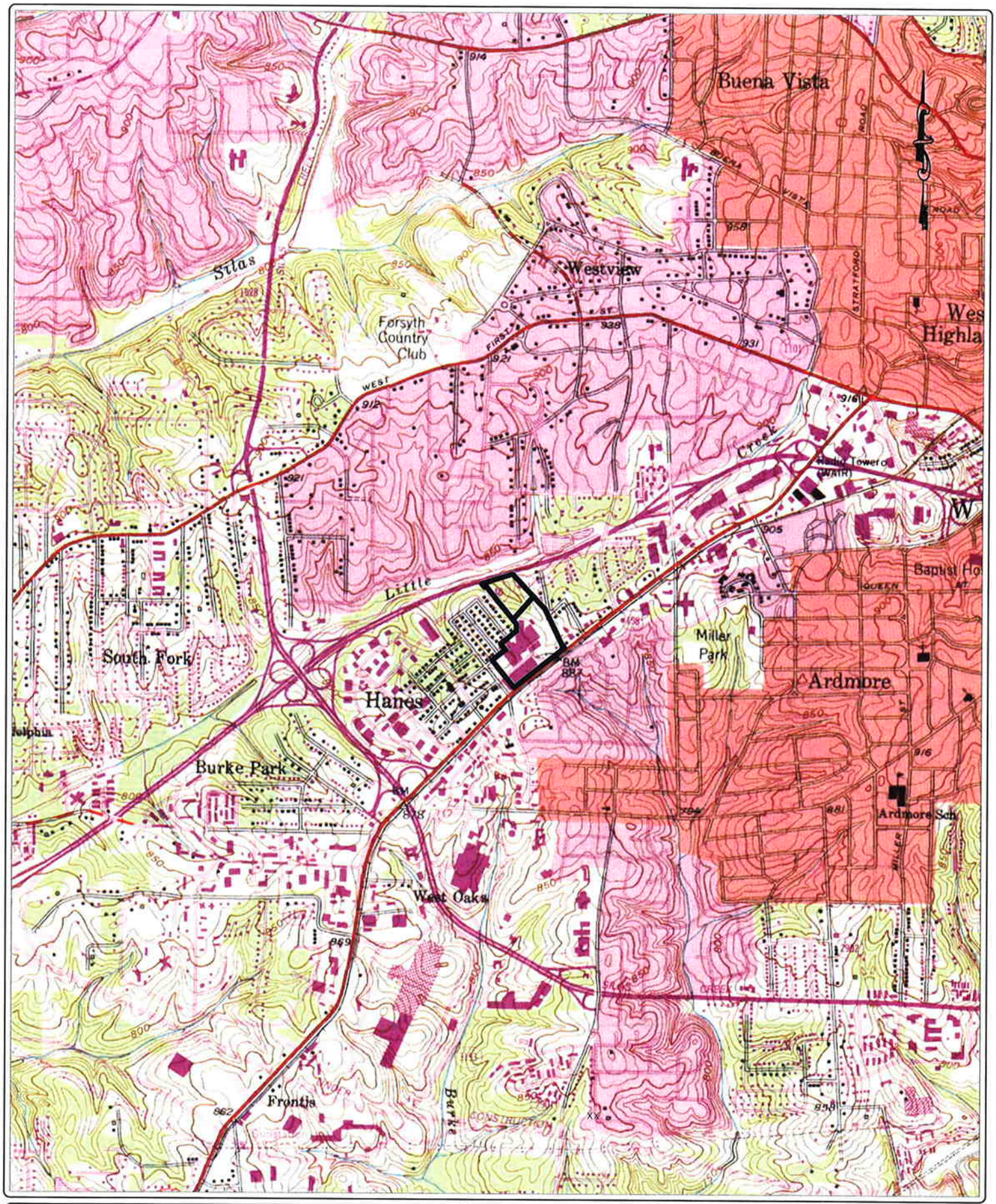
The level of contamination identified in groundwater does not appear to be representative of gross levels of contamination that would practically limit the future development of the property given that groundwater is not used for any purpose and that future excavations and improvements consider the presence and location of the contamination. W&R expects that Hanesbrands would be required to enter the Voluntary Cleanup Program (VCP) established by the NC Division of Waste Management (DWM) Inactive Hazardous Sites Branch (IHSB). While Hanesbrands is investigating and resolving the groundwater contamination we recommend that you consider pursuing a Brownfields Agreement as a form of liability protection as the site is known to be contaminated.

Please do not hesitate to contact us at (919) 469-3340 should you have any questions or comments regarding this investigation.

Timothy J. Murray, E.I.
Environmental Scientist

C. Chan Bryant, P.E.
Vice President – Project Manager

FIGURES



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HANESBRANDS INDUSTRIAL FACILITY
700 SOUTH STRATFORD ROAD
WINSTON-SALEM, NORTH CAROLINA

USGS WINSTON-SALEM WEST, NC
7.5 min. Quadrangle

DRAWN BY:	SCALE:	FIGURE NO.
TJM	1"=2000'	1
APPROVED BY:	DATE:	JOB NO:
CCB	5/5/09	02090145.0

K:\09\09-0140\090145-HANESBRANDS PHASE II ESA\CAD\FIGURE 1.DWG 5/7/2009 12:08 PM TIMOTHY J MURRAY 1:1

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HANESBRANDS INDUSTRIAL FACILITY
700 SOUTH STRATFORD ROAD
WINSTON-SALEM, NORTH CAROLINA

MONITORING WELL LOCATION MAP

Drawn By	Scale
TJM	1" = 200'
Checked By	Date
CCB	5/4/09

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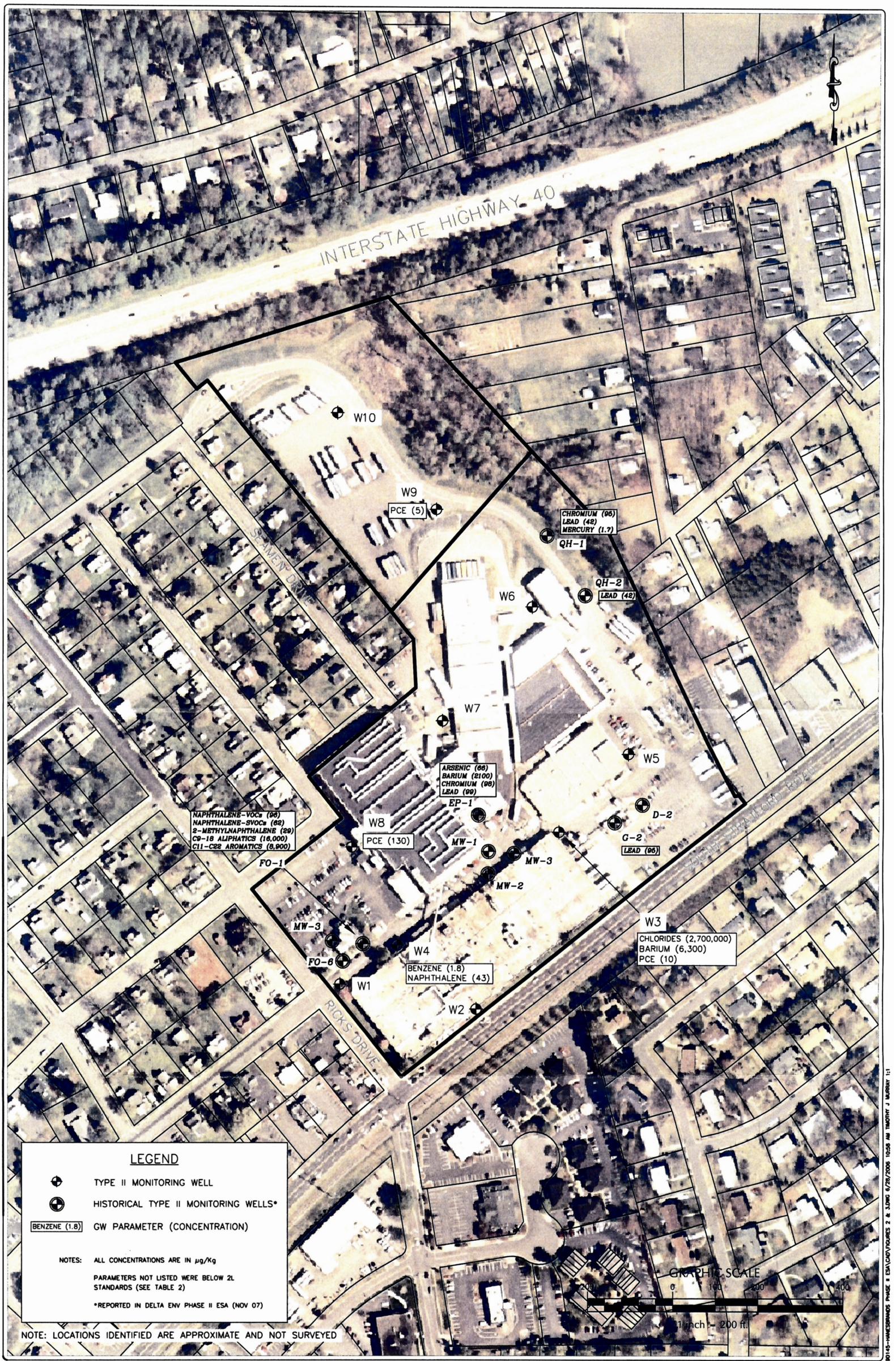
K:\DB\DB-0145\DB0145-1HNESBRANDS PHASE II ESA\CAD\FIGURES 2 & 3.DWG 5/28/2009 10:58 AM TIMOTHY J MURRAY 1:1



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HANESBRANDS INDUSTRIAL FACILITY
700 SOUTH STRATFORD ROAD
WINSTON-SALEM, NORTH CAROLINA

HISTORICAL MONITORING WELL LOCATION MAP

Drawn By	Scale
TJM	1"=200'
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Sheet No. 3

K:\DRV\09-014\DWG\145-HANESBRANDS PHASE II ESA\CAD\FIGURES 2 & 3.DWG 6/26/2006 10:56 AM TIMOTHY J MURRAY 1:1

TABLES

TABLE 1 - MW Construction Data

Limited Phase II Assessment - Hanesbrands Industrial Facility
700 South Stratford Road
Winston-Salem, Forsyth County, NC
W&R Project #: 02090145.0

Well ID	Date Installed	Total Depth (approximate)[1]	Riser Interval [2]	Screened Interval [3]	Total Depth (actual)[4]	DTW from TOC	Surface to TOC	DTW from Surface
W1	04/20/09	29.75	0.0 - 14.75	14.75 - 29.75	29.65	21.40	0.35	21.75
W2	04/21/09	39.0	0.0 - 24.0	24.0 - 39.0	39.50	30.74	0.30	31.04
W3	04/17/09	41.0	0.0 - 26.0	26.0 - 41.0	41.20	32.95	0.36	33.31
W4	04/20/09	35.5	0.0 - 20.5	20.5 - 35.5	35.56	25.75	0.36	26.11
W5	04/17/09	34.0	0.0 - 19.0	19.0 - 34.0	34.40	27.02	0.40	27.42
W6	04/17/09	28.0	0.0 - 13.0	13.0 - 28.0	28.00	20.65	0.35	21.00
W7	04/16/09	44.0	0.0 - 29.0	29.0 - 44.0	44.30	33.30	0.45	33.75
W8	04/21/09	27.0	0.0 - 12.0	12.0 - 27.0	27.10	19.07	0.32	19.39
W9	04/16/09	28.0	0.0 - 13.0	13.0 - 28.0	28.31	13.68	0.43	14.11
W10	04/16/09	28.0	0.0 - 13.0	13.0 - 28.0	27.70	14.82	0.35	15.17

Notes:

All measurements in feet.

All wells are Type II Monitoring Wells

TOC = Top of Casing

DTW = Depth to Water

[1] Measured immediately following well installation

[2] 2"-I.D. Sch. 40 PVC casing

[3] 2"-I.D. Sch. 40 0.010" slotted PVC screen

[4] Measured during April 2009 groundwater sampling event

TABLE 2 - GW Monitoring Well Sampling Results

Limited Phase II Assessment - Hanesbrands Industrial Facility
700 South Stratford Road
Winston-Salem, Forsyth County, NC
W&R Project #: 02090145.0

Client Sample ID			W1		W2		W3		W4		W5		W6		W7		W8		W9		W10		2L Stds	GCL
Collect Date			4/21/2009		4/22/2009		4/22/2009		4/21/2009		4/20/2009		4/20/2009		4/22/2009		4/22/2009		4/20/2009		4/20/2009			
Parameter	Method	Units	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q		
INORGANICS																								
Suspended Solids	2540D	µg/l	12,000		40,000		63,000		130,000		170,000		180,000		6,200	T4	140,000		87,000		36,000		NS	NS
Chloride	9056	µg/l	63,000		55,000		**2,700,000**		160,000		48,000		110,000		30,000		32,000		45,000		31,000		250,000	NL
RCRA METALS																								
Mercury	7470A	µg/l	BDL		BDL		0.35		BDL		BDL		BDL		BDL		BDL		BDL		BDL		1.05	NL
Arsenic	6010B	µg/l	BDL		BDL		BDL		BDL		BDL		BDL		BDL		BDL		BDL		BDL		50	NL
Barium	6010B	µg/l	230		49		**6,300**		1,200		310		1,200		89		340		220		120		2,000	2,000,000
Cadmium	6010B	µg/l	BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		1.75	NL
Chromium	6010B	µg/l	BDL		BDL		BDL		BDL		BDL		BDL		BDL		BDL		BDL		BDL		50	NL
Lead	6010B	µg/l	BDL		BDL		BDL		7.60		BDL		BDL		BDL		BDL		BDL		BDL		15	15,000
Selenium	6010B	µg/l	BDL		BDL		BDL		BDL		BDL		BDL		BDL		BDL		BDL		BDL		50	NL
Silver	6010B	µg/l	BDL		BDL		BDL		BDL		BDL		BDL		BDL		BDL		BDL		BDL		17.5	18,000
VOLATILE ORGANICS (VOCs)																								
Benzene	6200B	µg/l	BDL*		BDL*		BDL*		**1.8**		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		1	5,000
Bromodichloromethane	6200B	µg/l	BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		0.56	NL
Carbon tetrachloride	6200B	µg/l	BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		0.269	NL
Chlorodibromomethane	6200B	µg/l	BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		0.41	410
Chloroform	6200B	µg/l	BDL		BDL		BDL		BDL		BDL		BDL		10		BDL		BDL		BDL		70	70,000
1,2-Dibromo-3-Chloropropane	6200B	µg/l	BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		0.025	NL
1,2-Dibromoethane	6200B	µg/l	BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		0.0004	50
1,2-Dichloroethane	6200B	µg/l	BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		0.38	380
1,2-Dichloropropane	6200B	µg/l	BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		0.51	510
Hexachloro-1,3-butadiene	6200B	µg/l	BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*	J3	0.44	440
Isopropylbenzene	6200B	µg/l	BDL		BDL		BDL		2.9		BDL		BDL		BDL		BDL		BDL		BDL		70	25,000
p-Isopropyltoluene	6200B	µg/l	BDL		BDL		BDL		1.1		BDL		BDL		BDL		BDL		BDL		BDL	J3	NL	NL
Methylene Chloride	6200B	µg/l	BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		4.6	4,600
Naphthalene	6200B	µg/l	BDL		BDL		BDL		**43**		BDL		BDL		BDL		BDL		BDL		BDL		21	15,500
1,1,2,2-Tetrachloroethane	6200B	µg/l	BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		0.17	170
Tetrachloroethene	6200B	µg/l	BDL*		BDL*		**10**		BDL*		BDL*		BDL*		BDL*		**130**		**5**		BDL*		0.7	700
1,2,3-Trichloropropane	6200B	µg/l	BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		0.005	NL
1,2,4-Trimethylbenzene	6200B	µg/l	BDL		BDL		BDL		26		BDL		BDL		BDL		BDL		BDL		BDL		350	28,500
1,3,5-Trimethylbenzene	6200B	µg/l	BDL		BDL		BDL		13		BDL		BDL		BDL		BDL		BDL		BDL		350	25,000
Vinyl chloride	6200B	µg/l	BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		BDL*		0.015	15
Xylene, Total	6200B	µg/l	BDL		BDL		BDL		26.8		BDL		BDL		BDL		BDL		BDL		BDL		530	87,500
SEMI-VOLATILE ORGANICS (SVOCs)																								
Benzo(a)anthracene	8270C	µg/l	NT		BDL*		BDL*		NT		NT		NT		BDL*		NT		NT		NT		0.0479	22
Benzo(b)fluoranthene	8270C	µg/l	NT		BDL*		BDL*		NT		NT		NT		BDL*		NT		NT		NT		0.0479	0.6
Benzo(k)fluoranthene	8270C	µg/l	NT		BDL*		BDL*		NT		NT		NT		BDL*		NT		NT		NT		0.479	0.4
Benzo(a)pyrene	8270C	µg/l	NT		BDL*		BDL*		NT		NT		NT		BDL*		NT		NT		NT		0.00479	1.5
Chrysene	8270C	µg/l	NT		BDL*		BDL*		NT		NT		NT		BDL*		NT		NT		NT		4.79	4.79
Dibenz(a,h)anthracene	8270C	µg/l	NT		BDL*		BDL*		NT		NT		NT		BDL*		NT		NT		NT		0.0047	0.25
Hexachlorobenzene	8270C	µg/l	NT		BDL*		BDL*		NT		NT		NT		BDL*		NT		NT		NT		0.02	NL
Hexachloro-1,3-butadiene	8270C	µg/l	NT		BDL*		BDL*		NT		NT		NT		BDL*		NT		NT		NT		0.44	440
Indeno(1,2,3-cd)pyrene	8270C	µg/l	NT		BDL*		BDL*		NT		NT		NT		BDL*		NT		NT		NT		0.0479	31
n-Nitrosodimethylamine	8270C	µg/l	NT		BDL*		BDL*		NT		NT		NT		BDL*		NT		NT		NT		0.0007	NL
Bis(2-ethylhexyl)phthalate	8270C	µg/l	NT		BDL*		BDL*		NT		NT		NT		BDL*		NT		NT		NT		2.5	2,500
2-Chlorophenol	8270C	µg/l	NT		BDL*		BDL*		NT		NT		NT		BDL*		NT		NT		NT		0.36	NL
Pentachlorophenol	8270C	µg/l	NT		BDL*		BDL*		NT		NT		NT		BDL*		NT		NT		NT		0.29	290

Notes:
Samples analyzed by Environmental Science Corporation
2L STD - Groundwater Quality Standard (15A NCAC Subchapter 2L)
GCL - Gross Contamination Levels per North Carolina Groundwater Quality Standards (GWQS)
Samples in **Bold** represents 2L Stds violation
Samples in **Bold** and Shaded represents GCL violation
BDL = Below Detection Limit
BDL* = Reporting limit was above the 2L Stds and/or the GCL
NL - Not Listed
NS - No Standard

Q = Qualifer to lab analyses result (See below)

T4 = (ESC) - Additional method/sample information: QNS - Quantity Not Sufficient
J4 = The associated batch QC was outside the established quality control range for accuracy.
J5 = The associated batch QC was outside the established quality control range for precision.

APPENDIX A: BORING LOGS

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

GEOPROBE BORING LOG

Boring # W1

Job Name Hanesbrands Industrial Facility: Limited Phase II

Job # 2090145.0

Date April 20, 2009

Site Loc. 700 South Stratford Road Winston-Salem, North Carolina

Gnd EL Not Determined

W&R Rep Timothy J. Murray

GW EL Not Applicable

Driller Quantex, Inc.

Depth in Feet From	Depth in Feet To	Soil Description (Field USCS Classification)	PID (ppm)	Piezometer Details
0.0	1.0	Concrete, gravel, sand mix	-	Type II Monitoring well installed 4/20/09
1.0	3.0	Red-brown sandy clay	-	
3.0	5.0	Red-brown clayey sand	0.0	Well Depth: 29.75' bls
8.0	10.0	Orange-brown sandy clay	0.0	Casing: 0 - 20.5' bls Screen: 14.75 - 29.75' bls
13.0	15.0	Orange-brown sandy clay	0.0	Depth to Groundwater: 21.75' bls
18.0	20.0	Gray-brown sandy clay	0.1	
23.0	25.0	Gray-brown sandy clay	0.0	
		Boring terminated/moist soil encountered at ~25.0' bls bls = below land surface		

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

GEOPROBE BORING LOG

Boring # W2

Job Name Hanesbrands Industrial Facility: Limited Phase II

Job # 2090145.0

Date April 21, 2009

Site Loc. 700 South Stratford Road Winston-Salem, North Carolina

Gnd EL Not Determined

W&R Rep Timothy J. Murray

GW EL Not Applicable

Driller Quantex, Inc.

Depth in Feet From	Depth in Feet To	Soil Description (Field USCS Classification)	PID (ppm)	Piezometer Details
0.0	1.0	Concrete, gravel, sand mix	-	Type II Monitoring well installed 4/21/09
1.0	3.0	Orange-brown clayey sand	-	
3.0	5.0	Orange-brown clayey sand	0.0	Well Depth: 39' bls
8.0	10.0	Brown sand, well graded, some clay and gravel	0.0	Casing: 0 - 24' bls Screen: 24 - 39' bls
13.0	15.0	Brown sand, well graded, some clay and gravel	0.0	Depth to Groundwater: 31.04' bls
18.0	20.0	Brown sand, well graded, some clay and gravel	0.0	
23.0	25.0	Brown clayey sand	0.0	
28.0	30.0	Brown clayey sand	0.0	
		Boring terminated/moist soil encountered at ~30.0' bls bls = below land surface		

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

GEOPROBE BORING LOG

Boring # W3

Job Name Hanesbrands Industrial Facility: Limited Phase II

Job # 2090145.0

Date April 17, 2009

Site Loc. 700 South Stratford Road, Winston-Salem, North Carolina

Gnd EL Not Determined

W&R Rep Timothy J. Murray

GW EL Not Applicable

Driller Quantex, Inc.

Depth in Feet From	Depth in Feet To	Soil Description (Field USCS Classification)	PID (ppm)	Piezometer Details
0.0	1.0	Black organic topsoil	-	Type II Monitoring well installed 4/17/09
1.0	3.0	Red-Brown sandy clay	0.0	Well Depth: 41.0' bls
3.0	5.0	Red-Brown clayey sand	0.0	Casing: 0 - 26' bls
8.0	10.0	Red-Brown clayey sand	0.0	Screen: 26 - 41' bls
13.0	15.0	Red-Brown clayey sand	0.0	Depth to Groundwater: 33.31' bls
18.0	20.0	Red-Brown clayey sand	0.1	
23.0	25.0	Red-Brown clayey sand	0.0	
28.0	30.0	Orange-brown clayey sand	0.0	
33.0	35.0	Orange-brown clayey sand	-	
		Boring terminated at ~35.0' bls Moist soil encountered at ~31.0' bls bls = below land surface		

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

GEOPROBE BORING LOG

Boring # W4

Job Name Hanesbrands Industrial Facility: Limited Phase II

Job # 2090145.0

Date April 20, 2009

Site Loc. 700 South Stratford Road Winston-Salem, North Carolina

Gnd EL Not Determined

W&R Rep Timothy J. Murray

GW EL Not Applicable

Driller Quantex, Inc.

Depth in Feet From	Depth in Feet To	Soil Description (Field USCS Classification)	PID (ppm)	Piezometer Details
0.0	1.0	Concrete, gravel, sand mix	-	Type II Monitoring well installed 4/20/09
1.0	3.0	Red-Brown sandy clay	-	Well Depth: 35.5' bls
3.0	5.0	Red-Brown clayey sand	0.0	Casing: 0 - 20.5' bls
8.0	10.0	Red-Brown clayey sand	0.0	Screen: 20.5 - 35.5' bls
13.0	15.0	Red-Brown clayey sand	0.0	Depth to Groundwater: 26.11' bls
18.0	20.0	Red-Brown clayey sand	0.1	
23.0	25.0	Red-Brown clayey sand	0.0	
28.0	30.0	Orange-brown clayey sand	0.6	
33.0	35.0	Orange-brown clayey sand	-	
		Boring terminated at ~35.0' bls Moist soil encountered at ~31.0' bls bls = below land surface		

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

GEOPROBE BORING LOG

Boring # W5

Job Name Hanesbrands Industrial Facility: Limited Phase II

Job # 2090145.0

Date April 17, 2009

Site Loc. 700 South Stratford Road, Winston-Salem, North Carolina

Gnd EL Not Determined

W&R Rep Timothy J. Murray

GW EL Not Applicable

Driller Quantex, Inc.

Depth in Feet From	Depth in Feet To	Soil Description (Field USCS Classification)	PID (ppm)	Piezometer Details
0.0	1.0	Concrete, gravel, sand mix	-	Type II Monitoring well installed 4/17/09
1.0	3.0	Red-Brown sandy clay	0.5	
3.0	5.0	Red-Brown clayey sand	0.4	Well Depth: 34.0' bls
8.0	10.0	Red-Brown clayey sand	0.2	Casing: 0 - 19' bls Screen: 19 - 34' bls
13.0	15.0	Red-Brown clayey sand	0.5	Depth to Groundwater: 27.42' bls
18.0	20.0	Red-Brown clayey sand	0.2	
23.0	25.0	Red-Brown clayey sand	0.5	
28.0	30.0	Orange-brown clayey sand	1.0	
33.0	35.0	Orange-brown clayey sand	-	
		Boring terminated at ~35.0' bls Moist soil encountered at ~32.0' bls bls = below land surface		

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

GEOPROBE BORING LOG

Boring # W6

Job Name Hanesbrands Industrial Facility: Limited Phase II

Job # 2090145.0

Date April 16, 2009

Site Loc. 700 South Stratford Road, Winston-Salem, North Carolina

Gnd EL Not Determined

W&R Rep Timothy J. Murray

GW EL Not Applicable

Driller Quantex, Inc.

Depth in Feet From	Depth in Feet To	Soil Description (Field USCS Classification)	PID (ppm)	Piezometer Details
0.0	1.0	Concrete, gravel, sand mix	-	Type II Monitoring well installed 4/16/09
1.0	3.0	Orange-brown clay, some silt	0.0	Well Depth: 28.0' bls
3.0	5.0	Orange-brown clay, some silt	0.0	Casing: 0 - 13' bls
8.0	10.0	Orange-brown clay, some silt	0.0	Screen: 13 - 28' bls
13.0	15.0	Light brown clayey sand	0.0	Depth to Groundwater: 21.0' bls
18.0	20.0	Light brown clayey sand, medium-highly graded	0.0	
23.0	25.0	Light brown silty sand	-	
		Boring terminated/ moist soil encountered at ~25' bls bls = below land surface		

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

GEOPROBE BORING LOG

Boring # W7

Job Name Hanesbrands Industrial Facility: Limited Phase II

Job # 2090145.0

Date April 16, 2009

Site Loc. 700 South Stratford Road, Winston-Salem, North Carolina

Gnd EL Not Determined

W&R Rep Timothy J. Murray

GW EL Not Applicable

Driller Quantex, Inc.

Depth in Feet From	Depth in Feet To	Soil Description (Field USCS Classification)	PID (ppm)	Piezometer Details
0.0	1.0	Concrete, gravel, sand mix	-	Type II Monitoring well installed 4/16/09
1.0	3.0	Red-brown clayey silt	0.0	
3.0	5.0	Red-brown clayey silt	0.0	Well Depth: 44.0' bls
8.0	10.0	Red-brown clayey silt	0.0	Casing: 0 - 29' bls Screen: 29 - 44' bls
13.0	15.0	Red-brown clayey silt	0.0	Depth to Groundwater: 33.75' bls
18.0	20.0	Red-brown clayey silt	0.0	
23.0	25.0	Red-brown clayey silt	0.0	
28.0	30.0	Red-brown clayey silt	0.0	
33.0	35.0	Light brown silty sand	0.0	
38.0	40.0	Light brown silty sand	-	
		Boring terminated at ~40.0' bls Moist soil encountered at ~37.0' bls bls = below land surface		

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

GEOPROBE BORING LOG

Boring # W8

Job Name Hanesbrands Industrial Facility: Limited Phase II

Job # 2090145.0

Date April 21, 2009

Site Loc. 700 South Stratford Road Winston-Salem, North Carolina

Gnd EL Not Determined

W&R Rep Timothy J. Murray

GW EL Not Applicable

Driller Quantex, Inc.

Depth in Feet From	Depth in Feet To	Soil Description (Field USCS Classification)	PID (ppm)	Piezometer Details
0.0	1.0	Asphalt, gravel, sand mix	-	Type II Monitoring well installed 4/21/09
1.0	3.0	Red-orange clayey sand	0.1	Well Depth: 27' bls
3.0	5.0	Red-orange clayey sand	0.1	Casing: 0 - 12' bls
8.0	10.0	Orange-brown clayey sand	0.0	Screen: 12 - 27' bls
13.0	15.0	Orange-brown clayey sand	0.2	Depth to Groundwater: 19.39' bls
18.0	20.0	Orange-brown clayey sand	-	
		Boring terminated at ~20.0' bls Moist soil encountered at ~18.0' bls bls = below land surface		

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

GEOPROBE BORING LOG

Boring # W9

Job Name Hanesbrands Industrial Facility: Limited Phase II

Job # 2090145.0

Date April 16, 2009

Site Loc. 700 South Stratford Road Winston-Salem, North Carolina

Gnd EL Not Determined

W&R Rep Timothy J. Murray

GW EL Not Applicable

Driller Quantex, Inc.

Depth in Feet From	Depth in Feet To	Soil Description (Field USCS Classification)	PID (ppm)	Piezometer Details
0.0	1.0	Concrete, gravel, sand mix	-	Type II Monitoring well installed 4/16/09
1.0	3.0	Orange-brown silty clay	0.0	Well Depth: 28.0' bls
3.0	5.0	Orange-brown silty clay	0.2	Casing: 0 - 13' bls
8.0	10.0	Orange-brown silty clay	0.0	Screen: 13 - 28' bls
13.0	15.0	Orange-brown silty clay	0.1	Depth to Groundwater: 14.11' bls
18.0	20.0	Orange-brown silty clay	-	
		Boring terminated at ~20.0' bls Moist soil encountered at ~18.0' bls bls = below land surface		

WITHERS & RAVENEL

ENGINEERS | PLANNERS | SURVEYORS

GEOPROBE BORING LOG

Boring # W10

Job Name Hanesbrands Industrial Facility: Limited Phase II

Job # 2090145.0

Date April 16, 2009

Site Loc. 700 South Stratford Road Winston-Salem, North Carolina

Gnd EL Not Determined

W&R Rep Timothy J. Murray

GW EL Not Applicable

Driller Quantex, Inc.

Depth in Feet From	Depth in Feet To	Soil Description (Field USCS Classification)	PID (ppm)	Piezometer Details
0.0	1.0	Concrete, gravel, sand mix	-	Type II Monitoring well installed 4/16/09
1.0	3.0	Orange-brown silty clay	0.0	
3.0	5.0	Orange-brown silty clay	0.2	Well Depth: 28.0' bls
8.0	10.0	Orange-brown silty clay	0.0	Casing: 0 - 13' bls Screen: 13 - 28' bls
13.0	15.0	Gray brown sand, poorly graded	0.0	Depth to Groundwater: 15.17' bls
18.0	20.0	Dark gray sand		
		Boring terminated/moist soil encountered at ~20.0' bls bls = below land surface		

APPENDIX B: LABORATORY ANALYSIS RESULTS

ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive

Cary, NC 27511

Report Summary

Thursday April 30, 2009

Report Number: L398979
Samples Received: 04/23/09
Client Project: 02090145

Description: Hanes Brands Ph. II

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140
NJ - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 30,2009

ESC Sample # : L398979-01

Date Received : April 23, 2009
Description : Hanesbrands Ph. II

Site ID :

Sample ID : W7

Project # : 02090145

Collected By : TJ Murray
Collection Date : 04/22/09 10:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	30000	1000	ug/l	9056	04/24/09	1
Suspended Solids	6200	1000	ug/l	2540D	04/27/09	1
Mercury	BDL	0.20	ug/l	7470A	04/23/09	1
Arsenic	BDL	20.	ug/l	6010B	04/24/09	1
Barium	89.	5.0	ug/l	6010B	04/24/09	1
Cadmium	BDL	5.0	ug/l	6010B	04/24/09	1
Chromium	BDL	10.	ug/l	6010B	04/24/09	1
Lead	BDL	5.0	ug/l	6010B	04/24/09	1
Selenium	BDL	20.	ug/l	6010B	04/24/09	1
Silver	BDL	10.	ug/l	6010B	04/24/09	1
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	04/24/09	1
Acrolein	BDL	50.	ug/l	8260B	04/24/09	1
Acrylonitrile	BDL	10.	ug/l	8260B	04/24/09	1
Benzene	BDL	1.0	ug/l	8260B	04/24/09	1
Bromobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	04/24/09	1
Bromoform	BDL	1.0	ug/l	8260B	04/24/09	1
Bromomethane	BDL	5.0	ug/l	8260B	04/24/09	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	04/24/09	1
Chlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	04/24/09	1
Chloroethane	BDL	5.0	ug/l	8260B	04/24/09	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	04/24/09	1
Chloroform	10.	5.0	ug/l	8260B	04/24/09	1
Chloromethane	BDL	2.5	ug/l	8260B	04/24/09	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	04/24/09	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	04/24/09	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	04/24/09	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	04/24/09	1
Dibromomethane	BDL	1.0	ug/l	8260B	04/24/09	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	04/24/09	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	04/24/09	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	04/24/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 30,2009

ESC Sample # : L398979-01

Date Received : April 23, 2009
Description : Hanesbrands Ph. II

Site ID :

Sample ID : W7

Project # : 02090145

Collected By : TJ Murray
Collection Date : 04/22/09 10:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	04/24/09	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/24/09	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/24/09	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/24/09	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	04/24/09	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	04/24/09	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/24/09	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/24/09	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/24/09	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	04/24/09	1
Ethylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	04/24/09	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	04/24/09	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	04/24/09	1
Methylene Chloride	BDL	5.0	ug/l	8260B	04/24/09	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	04/24/09	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	04/24/09	1
Naphthalene	BDL	5.0	ug/l	8260B	04/24/09	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Styrene	BDL	1.0	ug/l	8260B	04/24/09	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/24/09	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/24/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	04/24/09	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	04/24/09	1
Toluene	BDL	5.0	ug/l	8260B	04/24/09	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	04/24/09	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	04/24/09	1
Trichloroethene	BDL	1.0	ug/l	8260B	04/24/09	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	04/24/09	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	04/24/09	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Vinyl chloride	BDL	1.0	ug/l	8260B	04/24/09	1
Xylenes, Total	BDL	3.0	ug/l	8260B	04/24/09	1
Surrogate Recovery						
Toluene-d8	94.6		% Rec.	8260B	04/24/09	1
Dibromofluoromethane	95.5		% Rec.	8260B	04/24/09	1
4-Bromofluorobenzene	99.6		% Rec.	8260B	04/24/09	1

Base/Neutral Extractables

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 30,2009

ESC Sample # : L398979-01

Date Received : April 23, 2009
Description : Hanesbrands Ph. II

Site ID :

Sample ID : W7

Project # : 02090145

Collected By : TJ Murray
Collection Date : 04/22/09 10:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Acenaphthene	BDL	10.	ug/l	8270C	04/27/09	1
Acenaphthylene	BDL	10.	ug/l	8270C	04/27/09	1
Anthracene	BDL	10.	ug/l	8270C	04/27/09	1
Benzidine	BDL	50.	ug/l	8270C	04/27/09	1
Benzo(a)anthracene	BDL	10.	ug/l	8270C	04/27/09	1
Benzo(b)fluoranthene	BDL	10.	ug/l	8270C	04/27/09	1
Benzo(k)fluoranthene	BDL	10.	ug/l	8270C	04/27/09	1
Benzo(g,h,i)perylene	BDL	10.	ug/l	8270C	04/27/09	1
Benzo(a)pyrene	BDL	10.	ug/l	8270C	04/27/09	1
Bis(2-chlorethoxy)methane	BDL	10.	ug/l	8270C	04/27/09	1
Bis(2-chloroethyl)ether	BDL	10.	ug/l	8270C	04/27/09	1
Bis(2-chloroisopropyl)ether	BDL	10.	ug/l	8270C	04/27/09	1
4-Bromophenyl-phenylether	BDL	10.	ug/l	8270C	04/27/09	1
2-Chloronaphthalene	BDL	10.	ug/l	8270C	04/27/09	1
4-Chlorophenyl-phenylether	BDL	10.	ug/l	8270C	04/27/09	1
Chrysene	BDL	10.	ug/l	8270C	04/27/09	1
Dibenz(a,h)anthracene	BDL	10.	ug/l	8270C	04/27/09	1
3,3-Dichlorobenzidine	BDL	10.	ug/l	8270C	04/27/09	1
2,4-Dinitrotoluene	BDL	10.	ug/l	8270C	04/27/09	1
2,6-Dinitrotoluene	BDL	10.	ug/l	8270C	04/27/09	1
Fluoranthene	BDL	10.	ug/l	8270C	04/27/09	1
Fluorene	BDL	10.	ug/l	8270C	04/27/09	1
Hexachlorobenzene	BDL	10.	ug/l	8270C	04/27/09	1
Hexachloro-1,3-butadiene	BDL	10.	ug/l	8270C	04/27/09	1
Hexachlorocyclopentadiene	BDL	10.	ug/l	8270C	04/27/09	1
Hexachloroethane	BDL	10.	ug/l	8270C	04/27/09	1
Indeno(1,2,3-cd)pyrene	BDL	10.	ug/l	8270C	04/27/09	1
Isophorone	BDL	10.	ug/l	8270C	04/27/09	1
Naphthalene	BDL	10.	ug/l	8270C	04/27/09	1
Nitrobenzene	BDL	10.	ug/l	8270C	04/27/09	1
n-Nitrosodimethylamine	BDL	50.	ug/l	8270C	04/27/09	1
n-Nitrosodiphenylamine	BDL	10.	ug/l	8270C	04/27/09	1
n-Nitrosodi-n-propylamine	BDL	10.	ug/l	8270C	04/27/09	1
Phenanthrene	BDL	10.	ug/l	8270C	04/27/09	1
Benzylbutyl phthalate	BDL	10.	ug/l	8270C	04/27/09	1
Bis(2-ethylhexyl)phthalate	BDL	10.	ug/l	8270C	04/27/09	1
Di-n-butyl phthalate	BDL	10.	ug/l	8270C	04/27/09	1
Diethyl phthalate	BDL	10.	ug/l	8270C	04/27/09	1
Dimethyl phthalate	BDL	10.	ug/l	8270C	04/27/09	1
Di-n-octyl phthalate	BDL	10.	ug/l	8270C	04/27/09	1
Pyrene	BDL	10.	ug/l	8270C	04/27/09	1
1,2,4-Trichlorobenzene	BDL	10.	ug/l	8270C	04/27/09	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	10.	ug/l	8270C	04/27/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 30,2009

ESC Sample # : L398979-01

Date Received : April 23, 2009
Description : Hanesbrands Ph. II

Site ID :

Sample ID : W7

Project # : 02090145

Collected By : TJ Murray
Collection Date : 04/22/09 10:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Chlorophenol	BDL	10.	ug/l	8270C	04/27/09	1
2,4-Dichlorophenol	BDL	10.	ug/l	8270C	04/27/09	1
2,4-Dimethylphenol	BDL	10.	ug/l	8270C	04/27/09	1
4,6-Dinitro-2-methylphenol	BDL	10.	ug/l	8270C	04/27/09	1
2,4-Dinitrophenol	BDL	10.	ug/l	8270C	04/27/09	1
2-Nitrophenol	BDL	10.	ug/l	8270C	04/27/09	1
4-Nitrophenol	BDL	10.	ug/l	8270C	04/27/09	1
Pentachlorophenol	BDL	10.	ug/l	8270C	04/27/09	1
Phenol	BDL	10.	ug/l	8270C	04/27/09	1
2,4,6-Trichlorophenol	BDL	10.	ug/l	8270C	04/27/09	1
Surrogate Recovery						
Nitrobenzene-d5	82.0		% Rec.	8270C	04/27/09	1
2-Fluorobiphenyl	91.7		% Rec.	8270C	04/27/09	1
p-Terphenyl-d14	106.		% Rec.	8270C	04/27/09	1
Phenol-d5	26.1		% Rec.	8270C	04/27/09	1
2-Fluorophenol	46.9		% Rec.	8270C	04/27/09	1
2,4,6-Tribromophenol	117.		% Rec.	8270C	04/27/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 04/30/09 09:30 Printed: 04/30/09 09:30

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REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 30,2009

ESC Sample # : L398979-02

Date Received : April 23, 2009
Description : Hanesbrands Ph. II

Site ID :

Sample ID : W3

Project # : 02090145

Collected By : TJ Murray
Collection Date : 04/22/09 10:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	2700000	20000	ug/l	9056	04/24/09	20
Suspended Solids	63000	1000	ug/l	2540D	04/27/09	1
Mercury	0.35	0.20	ug/l	7470A	04/23/09	1
Arsenic	BDL	20.	ug/l	6010B	04/24/09	1
Barium	6300	5.0	ug/l	6010B	04/24/09	1
Cadmium	BDL	5.0	ug/l	6010B	04/24/09	1
Chromium	BDL	10.	ug/l	6010B	04/24/09	1
Lead	BDL	5.0	ug/l	6010B	04/24/09	1
Selenium	BDL	20.	ug/l	6010B	04/24/09	1
Silver	BDL	10.	ug/l	6010B	04/24/09	1
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	04/24/09	1
Acrolein	BDL	50.	ug/l	8260B	04/24/09	1
Acrylonitrile	BDL	10.	ug/l	8260B	04/24/09	1
Benzene	BDL	1.0	ug/l	8260B	04/24/09	1
Bromobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	04/24/09	1
Bromoform	BDL	1.0	ug/l	8260B	04/24/09	1
Bromomethane	BDL	5.0	ug/l	8260B	04/24/09	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	04/24/09	1
Chlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	04/24/09	1
Chloroethane	BDL	5.0	ug/l	8260B	04/24/09	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	04/24/09	1
Chloroform	BDL	5.0	ug/l	8260B	04/24/09	1
Chloromethane	BDL	2.5	ug/l	8260B	04/24/09	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	04/24/09	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	04/24/09	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	04/24/09	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	04/24/09	1
Dibromomethane	BDL	1.0	ug/l	8260B	04/24/09	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	04/24/09	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	04/24/09	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	04/24/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L398979-02 (SV8270BNA) - Previous run also had low SURR recovery. Matrix effect.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 30,2009

ESC Sample # : L398979-02

Site ID :

Project # : 02090145

Date Received : April 23, 2009
Description : Hanesbrands Ph. II

Sample ID : W3

Collected By : TJ Murray
Collection Date : 04/22/09 10:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	04/24/09	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/24/09	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/24/09	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/24/09	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	04/24/09	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	04/24/09	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/24/09	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/24/09	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/24/09	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	04/24/09	1
Ethylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	04/24/09	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	04/24/09	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	04/24/09	1
Methylene Chloride	BDL	5.0	ug/l	8260B	04/24/09	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	04/24/09	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	04/24/09	1
Naphthalene	BDL	5.0	ug/l	8260B	04/24/09	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Styrene	BDL	1.0	ug/l	8260B	04/24/09	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/24/09	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/24/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	04/24/09	1
Tetrachloroethene	10.	1.0	ug/l	8260B	04/24/09	1
Toluene	BDL	5.0	ug/l	8260B	04/24/09	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	04/24/09	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	04/24/09	1
Trichloroethene	BDL	1.0	ug/l	8260B	04/24/09	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	04/24/09	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	04/24/09	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Vinyl chloride	BDL	1.0	ug/l	8260B	04/24/09	1
Xylenes, Total	BDL	3.0	ug/l	8260B	04/24/09	1
Surrogate Recovery						
Toluene-d8	95.7		% Rec.	8260B	04/24/09	1
Dibromofluoromethane	97.7		% Rec.	8260B	04/24/09	1
4-Bromofluorobenzene	101.		% Rec.	8260B	04/24/09	1

Base/Neutral Extractables

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L398979-02 (SV8270BNA) - Previous run also had low SURR recovery. Matrix effect.

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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 30,2009

ESC Sample # : L398979-02

Date Received : April 23, 2009
Description : Hanesbrands Ph. II

Site ID :

Sample ID : W3

Project # : 02090145

Collected By : TJ Murray
Collection Date : 04/22/09 10:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Acenaphthene	BDL	10.	ug/l	8270C	04/29/09	1
Acenaphthylene	BDL	10.	ug/l	8270C	04/29/09	1
Anthracene	BDL	10.	ug/l	8270C	04/29/09	1
Benzidine	BDL	50.	ug/l	8270C	04/29/09	1
Benzo(a)anthracene	BDL	10.	ug/l	8270C	04/29/09	1
Benzo(b)fluoranthene	BDL	10.	ug/l	8270C	04/29/09	1
Benzo(k)fluoranthene	BDL	10.	ug/l	8270C	04/29/09	1
Benzo(g,h,i)perylene	BDL	10.	ug/l	8270C	04/29/09	1
Benzo(a)pyrene	BDL	10.	ug/l	8270C	04/29/09	1
Bis(2-chlorethoxy)methane	BDL	10.	ug/l	8270C	04/29/09	1
Bis(2-chloroethyl)ether	BDL	10.	ug/l	8270C	04/29/09	1
Bis(2-chloroisopropyl)ether	BDL	10.	ug/l	8270C	04/29/09	1
4-Bromophenyl-phenylether	BDL	10.	ug/l	8270C	04/29/09	1
2-Chloronaphthalene	BDL	10.	ug/l	8270C	04/29/09	1
4-Chlorophenyl-phenylether	BDL	10.	ug/l	8270C	04/29/09	1
Chrysene	BDL	10.	ug/l	8270C	04/29/09	1
Dibenz(a,h)anthracene	BDL	10.	ug/l	8270C	04/29/09	1
3,3-Dichlorobenzidine	BDL	10.	ug/l	8270C	04/29/09	1
2,4-Dinitrotoluene	BDL	10.	ug/l	8270C	04/29/09	1
2,6-Dinitrotoluene	BDL	10.	ug/l	8270C	04/29/09	1
Fluoranthene	BDL	10.	ug/l	8270C	04/29/09	1
Fluorene	BDL	10.	ug/l	8270C	04/29/09	1
Hexachlorobenzene	BDL	10.	ug/l	8270C	04/29/09	1
Hexachloro-1,3-butadiene	BDL	10.	ug/l	8270C	04/29/09	1
Hexachlorocyclopentadiene	BDL	10.	ug/l	8270C	04/29/09	1
Hexachloroethane	BDL	10.	ug/l	8270C	04/29/09	1
Indeno(1,2,3-cd)pyrene	BDL	10.	ug/l	8270C	04/29/09	1
Isophorone	BDL	10.	ug/l	8270C	04/29/09	1
Naphthalene	BDL	10.	ug/l	8270C	04/29/09	1
Nitrobenzene	BDL	10.	ug/l	8270C	04/29/09	1
n-Nitrosodimethylamine	BDL	50.	ug/l	8270C	04/29/09	1
n-Nitrosodiphenylamine	BDL	10.	ug/l	8270C	04/29/09	1
n-Nitrosodi-n-propylamine	BDL	10.	ug/l	8270C	04/29/09	1
Phenanthrene	BDL	10.	ug/l	8270C	04/29/09	1
Benzylbutyl phthalate	BDL	10.	ug/l	8270C	04/29/09	1
Bis(2-ethylhexyl)phthalate	BDL	10.	ug/l	8270C	04/29/09	1
Di-n-butyl phthalate	BDL	10.	ug/l	8270C	04/29/09	1
Diethyl phthalate	BDL	10.	ug/l	8270C	04/29/09	1
Dimethyl phthalate	BDL	10.	ug/l	8270C	04/29/09	1
Di-n-octyl phthalate	BDL	10.	ug/l	8270C	04/29/09	1
Pyrene	BDL	10.	ug/l	8270C	04/29/09	1
1,2,4-Trichlorobenzene	BDL	10.	ug/l	8270C	04/29/09	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	10.	ug/l	8270C	04/29/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
L398979-02 (SV8270BNA) - Previous run also had low SURR recovery. Matrix effect.

ENVIRONMENTAL
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Est. 1970

REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 30,2009

ESC Sample # : L398979-02

Date Received : April 23, 2009
Description : Hanesbrands Ph. II

Site ID :

Sample ID : W3

Project # : 02090145

Collected By : TJ Murray
Collection Date : 04/22/09 10:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Chlorophenol	BDL	10.	ug/l	8270C	04/29/09	1
2,4-Dichlorophenol	BDL	10.	ug/l	8270C	04/29/09	1
2,4-Dimethylphenol	BDL	10.	ug/l	8270C	04/29/09	1
4,6-Dinitro-2-methylphenol	BDL	10.	ug/l	8270C	04/29/09	1
2,4-Dinitrophenol	BDL	10.	ug/l	8270C	04/29/09	1
2-Nitrophenol	BDL	10.	ug/l	8270C	04/29/09	1
4-Nitrophenol	BDL	10.	ug/l	8270C	04/29/09	1
Pentachlorophenol	BDL	10.	ug/l	8270C	04/29/09	1
Phenol	BDL	10.	ug/l	8270C	04/29/09	1
2,4,6-Trichlorophenol	BDL	10.	ug/l	8270C	04/29/09	1
Surrogate Recovery						
Nitrobenzene-d5	62.0		% Rec.	8270C	04/29/09	1
2-Fluorobiphenyl	70.6		% Rec.	8270C	04/29/09	1
p-Terphenyl-d14	107.		% Rec.	8270C	04/29/09	1
Phenol-d5	0.0900		% Rec.	8270C	04/29/09	1
2-Fluorophenol	0.340		% Rec.	8270C	04/29/09	1
2,4,6-Tribromophenol	27.6		% Rec.	8270C	04/29/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 04/30/09 09:30 Printed: 04/30/09 09:30
L398979-02 (SV8270BNA) - Previous run also had low SURR recovery. Matrix effect.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 30,2009

ESC Sample # : L398979-03

Date Received : April 23, 2009
Description : Hanesbrands Ph. II

Site ID :

Sample ID : W8

Project # : 02090145

Collected By : TJ Murray
Collection Date : 04/22/09 12:05

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	32000	1000	ug/l	9056	04/24/09	1
Suspended Solids	140000	1000	ug/l	2540D	04/24/09	1
Mercury	BDL	0.20	ug/l	7470A	04/23/09	1
Arsenic	BDL	20.	ug/l	6010B	04/24/09	1
Barium	340	5.0	ug/l	6010B	04/24/09	1
Cadmium	BDL	5.0	ug/l	6010B	04/24/09	1
Chromium	BDL	10.	ug/l	6010B	04/24/09	1
Lead	BDL	5.0	ug/l	6010B	04/24/09	1
Selenium	BDL	20.	ug/l	6010B	04/24/09	1
Silver	BDL	10.	ug/l	6010B	04/24/09	1
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	04/24/09	1
Acrolein	BDL	50.	ug/l	8260B	04/24/09	1
Acrylonitrile	BDL	10.	ug/l	8260B	04/24/09	1
Benzene	BDL	1.0	ug/l	8260B	04/24/09	1
Bromobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	04/24/09	1
Bromoform	BDL	1.0	ug/l	8260B	04/24/09	1
Bromomethane	BDL	5.0	ug/l	8260B	04/24/09	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	04/24/09	1
Chlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	04/24/09	1
Chloroethane	BDL	5.0	ug/l	8260B	04/24/09	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	04/24/09	1
Chloroform	BDL	5.0	ug/l	8260B	04/24/09	1
Chloromethane	BDL	2.5	ug/l	8260B	04/24/09	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	04/24/09	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	04/24/09	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	04/24/09	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	04/24/09	1
Dibromomethane	BDL	1.0	ug/l	8260B	04/24/09	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	04/24/09	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	04/24/09	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	04/24/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 30,2009

ESC Sample # : L398979-03

Date Received : April 23, 2009
Description : Hanesbrands Ph. II

Site ID :

Sample ID : W8

Project # : 02090145

Collected By : TJ Murray
Collection Date : 04/22/09 12:05

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	04/24/09	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/24/09	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/24/09	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/24/09	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	04/24/09	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	04/24/09	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/24/09	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/24/09	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/24/09	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	04/24/09	1
Ethylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	04/24/09	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	04/24/09	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	04/24/09	1
Methylene Chloride	BDL	5.0	ug/l	8260B	04/24/09	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	04/24/09	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	04/24/09	1
Naphthalene	BDL	5.0	ug/l	8260B	04/24/09	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Styrene	BDL	1.0	ug/l	8260B	04/24/09	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/24/09	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/24/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	04/24/09	1
Tetrachloroethene	130	1.0	ug/l	8260B	04/24/09	1
Toluene	BDL	5.0	ug/l	8260B	04/24/09	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	04/24/09	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	04/24/09	1
Trichloroethene	BDL	1.0	ug/l	8260B	04/24/09	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	04/24/09	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	04/24/09	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Vinyl chloride	BDL	1.0	ug/l	8260B	04/24/09	1
Xylenes, Total	BDL	3.0	ug/l	8260B	04/24/09	1
Surrogate Recovery						
Toluene-d8	94.9		% Rec.	8260B	04/24/09	1
Dibromofluoromethane	96.2		% Rec.	8260B	04/24/09	1
4-Bromofluorobenzene	103.		% Rec.	8260B	04/24/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 04/30/09 09:30 Printed: 04/30/09 09:30

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 30,2009

ESC Sample # : L398979-04

Date Received : April 23, 2009
Description : Hanesbrands Ph. II

Site ID :

Sample ID : W2

Project # : 02090145

Collected By : TJ Murray
Collection Date : 04/22/09 13:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	55000	1000	ug/l	9056	04/24/09	1
Suspended Solids	40000	1000	ug/l	2540D	04/24/09	1
Mercury	BDL	0.20	ug/l	7470A	04/23/09	1
Arsenic	BDL	20.	ug/l	6010B	04/24/09	1
Barium	49.	5.0	ug/l	6010B	04/24/09	1
Cadmium	BDL	5.0	ug/l	6010B	04/24/09	1
Chromium	BDL	10.	ug/l	6010B	04/24/09	1
Lead	BDL	5.0	ug/l	6010B	04/24/09	1
Selenium	BDL	20.	ug/l	6010B	04/24/09	1
Silver	BDL	10.	ug/l	6010B	04/24/09	1
Volatile Organics						
Acetone	BDL	50.	ug/l	8260B	04/24/09	1
Acrolein	BDL	50.	ug/l	8260B	04/24/09	1
Acrylonitrile	BDL	10.	ug/l	8260B	04/24/09	1
Benzene	BDL	1.0	ug/l	8260B	04/24/09	1
Bromobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Bromodichloromethane	BDL	1.0	ug/l	8260B	04/24/09	1
Bromoform	BDL	1.0	ug/l	8260B	04/24/09	1
Bromomethane	BDL	5.0	ug/l	8260B	04/24/09	1
n-Butylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
sec-Butylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
tert-Butylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Carbon tetrachloride	BDL	1.0	ug/l	8260B	04/24/09	1
Chlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Chlorodibromomethane	BDL	1.0	ug/l	8260B	04/24/09	1
Chloroethane	BDL	5.0	ug/l	8260B	04/24/09	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	8260B	04/24/09	1
Chloroform	BDL	5.0	ug/l	8260B	04/24/09	1
Chloromethane	BDL	2.5	ug/l	8260B	04/24/09	1
2-Chlorotoluene	BDL	1.0	ug/l	8260B	04/24/09	1
4-Chlorotoluene	BDL	1.0	ug/l	8260B	04/24/09	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	8260B	04/24/09	1
1,2-Dibromoethane	BDL	1.0	ug/l	8260B	04/24/09	1
Dibromomethane	BDL	1.0	ug/l	8260B	04/24/09	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Dichlorodifluoromethane	BDL	5.0	ug/l	8260B	04/24/09	1
1,1-Dichloroethane	BDL	1.0	ug/l	8260B	04/24/09	1
1,2-Dichloroethane	BDL	1.0	ug/l	8260B	04/24/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 30,2009

ESC Sample # : L398979-04

Date Received : April 23, 2009
Description : Hanesbrands Ph. II

Site ID :

Sample ID : W2

Project # : 02090145

Collected By : TJ Murray
Collection Date : 04/22/09 13:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
1,1-Dichloroethene	BDL	1.0	ug/l	8260B	04/24/09	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/24/09	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	8260B	04/24/09	1
1,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/24/09	1
1,1-Dichloropropene	BDL	1.0	ug/l	8260B	04/24/09	1
1,3-Dichloropropane	BDL	1.0	ug/l	8260B	04/24/09	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/24/09	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	8260B	04/24/09	1
2,2-Dichloropropane	BDL	1.0	ug/l	8260B	04/24/09	1
Di-isopropyl ether	BDL	1.0	ug/l	8260B	04/24/09	1
Ethylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	8260B	04/24/09	1
Isopropylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
p-Isopropyltoluene	BDL	1.0	ug/l	8260B	04/24/09	1
2-Butanone (MEK)	BDL	10.	ug/l	8260B	04/24/09	1
Methylene Chloride	BDL	5.0	ug/l	8260B	04/24/09	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	8260B	04/24/09	1
Methyl tert-butyl ether	BDL	1.0	ug/l	8260B	04/24/09	1
Naphthalene	BDL	5.0	ug/l	8260B	04/24/09	1
n-Propylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Styrene	BDL	1.0	ug/l	8260B	04/24/09	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/24/09	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	8260B	04/24/09	1
1,1,2-Trichloro-1,2,2-trifluoro	BDL	1.0	ug/l	8260B	04/24/09	1
Tetrachloroethene	BDL	1.0	ug/l	8260B	04/24/09	1
Toluene	BDL	5.0	ug/l	8260B	04/24/09	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	8260B	04/24/09	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	8260B	04/24/09	1
Trichloroethene	BDL	1.0	ug/l	8260B	04/24/09	1
Trichlorofluoromethane	BDL	5.0	ug/l	8260B	04/24/09	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	8260B	04/24/09	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,2,3-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	8260B	04/24/09	1
Vinyl chloride	BDL	1.0	ug/l	8260B	04/24/09	1
Xylenes, Total	BDL	3.0	ug/l	8260B	04/24/09	1
Surrogate Recovery						
Toluene-d8	94.7		% Rec.	8260B	04/24/09	1
Dibromofluoromethane	98.1		% Rec.	8260B	04/24/09	1
4-Bromofluorobenzene	101.		% Rec.	8260B	04/24/09	1

Base/Neutral Extractables

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 30,2009

ESC Sample # : L398979-04

Date Received : April 23, 2009
Description : Hanesbrands Ph. II

Site ID :

Sample ID : W2

Project # : 02090145

Collected By : TJ Murray
Collection Date : 04/22/09 13:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Acenaphthene	BDL	10.	ug/l	8270C	04/27/09	1
Acenaphthylene	BDL	10.	ug/l	8270C	04/27/09	1
Anthracene	BDL	10.	ug/l	8270C	04/27/09	1
Benzidine	BDL	50.	ug/l	8270C	04/27/09	1
Benzo(a)anthracene	BDL	10.	ug/l	8270C	04/27/09	1
Benzo(b)fluoranthene	BDL	10.	ug/l	8270C	04/27/09	1
Benzo(k)fluoranthene	BDL	10.	ug/l	8270C	04/27/09	1
Benzo(g,h,i)perylene	BDL	10.	ug/l	8270C	04/27/09	1
Benzo(a)pyrene	BDL	10.	ug/l	8270C	04/27/09	1
Bis(2-chlorethoxy)methane	BDL	10.	ug/l	8270C	04/27/09	1
Bis(2-chloroethyl)ether	BDL	10.	ug/l	8270C	04/27/09	1
Bis(2-chloroisopropyl)ether	BDL	10.	ug/l	8270C	04/27/09	1
4-Bromophenyl-phenylether	BDL	10.	ug/l	8270C	04/27/09	1
2-Chloronaphthalene	BDL	10.	ug/l	8270C	04/27/09	1
4-Chlorophenyl-phenylether	BDL	10.	ug/l	8270C	04/27/09	1
Chrysene	BDL	10.	ug/l	8270C	04/27/09	1
Dibenz(a,h)anthracene	BDL	10.	ug/l	8270C	04/27/09	1
3,3-Dichlorobenzidine	BDL	10.	ug/l	8270C	04/27/09	1
2,4-Dinitrotoluene	BDL	10.	ug/l	8270C	04/27/09	1
2,6-Dinitrotoluene	BDL	10.	ug/l	8270C	04/27/09	1
Fluoranthene	BDL	10.	ug/l	8270C	04/27/09	1
Fluorene	BDL	10.	ug/l	8270C	04/27/09	1
Hexachlorobenzene	BDL	10.	ug/l	8270C	04/27/09	1
Hexachloro-1,3-butadiene	BDL	10.	ug/l	8270C	04/27/09	1
Hexachlorocyclopentadiene	BDL	10.	ug/l	8270C	04/27/09	1
Hexachloroethane	BDL	10.	ug/l	8270C	04/27/09	1
Indeno(1,2,3-cd)pyrene	BDL	10.	ug/l	8270C	04/27/09	1
Isophorone	BDL	10.	ug/l	8270C	04/27/09	1
Naphthalene	BDL	10.	ug/l	8270C	04/27/09	1
Nitrobenzene	BDL	10.	ug/l	8270C	04/27/09	1
n-Nitrosodimethylamine	BDL	50.	ug/l	8270C	04/27/09	1
n-Nitrosodiphenylamine	BDL	10.	ug/l	8270C	04/27/09	1
n-Nitrosodi-n-propylamine	BDL	10.	ug/l	8270C	04/27/09	1
Phenanthrene	BDL	10.	ug/l	8270C	04/27/09	1
Benzylbutyl phthalate	BDL	10.	ug/l	8270C	04/27/09	1
Bis(2-ethylhexyl)phthalate	BDL	10.	ug/l	8270C	04/27/09	1
Di-n-butyl phthalate	BDL	10.	ug/l	8270C	04/27/09	1
Diethyl phthalate	BDL	10.	ug/l	8270C	04/27/09	1
Dimethyl phthalate	BDL	10.	ug/l	8270C	04/27/09	1
Di-n-octyl phthalate	BDL	10.	ug/l	8270C	04/27/09	1
Pyrene	BDL	10.	ug/l	8270C	04/27/09	1
1,2,4-Trichlorobenzene	BDL	10.	ug/l	8270C	04/27/09	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	10.	ug/l	8270C	04/27/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 30,2009

ESC Sample # : L398979-04

Site ID :

Project # : 02090145

Date Received : April 23, 2009
Description : Hanesbrands Ph. II

Sample ID : W2

Collected By : TJ Murray
Collection Date : 04/22/09 13:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
2-Chlorophenol	BDL	10.	ug/l	8270C	04/27/09	1
2,4-Dichlorophenol	BDL	10.	ug/l	8270C	04/27/09	1
2,4-Dimethylphenol	BDL	10.	ug/l	8270C	04/27/09	1
4,6-Dinitro-2-methylphenol	BDL	10.	ug/l	8270C	04/27/09	1
2,4-Dinitrophenol	BDL	10.	ug/l	8270C	04/27/09	1
2-Nitrophenol	BDL	10.	ug/l	8270C	04/27/09	1
4-Nitrophenol	BDL	10.	ug/l	8270C	04/27/09	1
Pentachlorophenol	BDL	10.	ug/l	8270C	04/27/09	1
Phenol	BDL	10.	ug/l	8270C	04/27/09	1
2,4,6-Trichlorophenol	BDL	10.	ug/l	8270C	04/27/09	1
Surrogate Recovery						
Nitrobenzene-d5	41.8		% Rec.	8270C	04/27/09	1
2-Fluorobiphenyl	86.9		% Rec.	8270C	04/27/09	1
p-Terphenyl-d14	105.		% Rec.	8270C	04/27/09	1
Phenol-d5	22.5		% Rec.	8270C	04/27/09	1
2-Fluorophenol	37.7		% Rec.	8270C	04/27/09	1
2,4,6-Tribromophenol	93.5		% Rec.	8270C	04/27/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 04/30/09 09:30 Printed: 04/30/09 09:30

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L398979-01	WG418350	SAMP	Suspended Solids	R718932	T4
L398979-02	WG419082	SAMP	Benzylbutyl phthalate	R720247	J3
	WG419082	SAMP	Diethyl phthalate	R720247	J3
	WG419082	SAMP	Dimethyl phthalate	R720247	J3
	WG419082	SAMP	2,4-Dimethylphenol	R720247	J4
	WG419082	SAMP	Phenol-d5	R720247	J2
	WG419082	SAMP	2-Fluorophenol	R720247	J2

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
T4	(ESC) - Additional method/sample information: QNS - Quantity Not Sufficient

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
04/30/09 at 09:30:45

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L398979-01 Account: WITHRAVS Received: 04/23/09 07:45 Due Date: 04/29/09 00:00 RPT Date: 04/30/09 09:30

Sample: L398979-02 Account: WITHRAVS Received: 04/23/09 07:45 Due Date: 04/29/09 00:00 RPT Date: 04/30/09 09:30

Sample: L398979-03 Account: WITHRAVS Received: 04/23/09 07:45 Due Date: 04/29/09 00:00 RPT Date: 04/30/09 09:30

Sample: L398979-04 Account: WITHRAVS Received: 04/23/09 07:45 Due Date: 04/29/09 00:00 RPT Date: 04/30/09 09:30

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Quality Assurance Report
Level II

L398979

April 30, 2009

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Mercury	< .0002	mg/l			WG418273	04/23/09 21:05
Chloride	< 1	mg/l			WG418334	04/23/09 22:23
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG418430	04/24/09 01:34
1,1,1-Trichloroethane	< .001	mg/l			WG418430	04/24/09 01:34
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG418430	04/24/09 01:34
1,1,2-Trichloroethane	< .001	mg/l			WG418430	04/24/09 01:34
1,1,2-Trichloro-1,2,2-trifluoroethane	< .001	mg/l			WG418430	04/24/09 01:34
1,1-Dichloroethane	< .001	mg/l			WG418430	04/24/09 01:34
1,1-Dichloroethene	< .001	mg/l			WG418430	04/24/09 01:34
1,1-Dichloropropene	< .001	mg/l			WG418430	04/24/09 01:34
1,2,3-Trichlorobenzene	< .001	mg/l			WG418430	04/24/09 01:34
1,2,3-Trichloropropane	< .001	mg/l			WG418430	04/24/09 01:34
1,2,3-Trimethylbenzene	< .001	mg/l			WG418430	04/24/09 01:34
1,2,4-Trichlorobenzene	< .001	mg/l			WG418430	04/24/09 01:34
1,2,4-Trimethylbenzene	< .001	mg/l			WG418430	04/24/09 01:34
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG418430	04/24/09 01:34
1,2-Dibromoethane	< .001	mg/l			WG418430	04/24/09 01:34
1,2-Dichlorobenzene	< .001	mg/l			WG418430	04/24/09 01:34
1,2-Dichloroethane	< .001	mg/l			WG418430	04/24/09 01:34
1,2-Dichloropropane	< .001	mg/l			WG418430	04/24/09 01:34
1,3,5-Trimethylbenzene	< .001	mg/l			WG418430	04/24/09 01:34
1,3-Dichlorobenzene	< .001	mg/l			WG418430	04/24/09 01:34
1,3-Dichloropropane	< .001	mg/l			WG418430	04/24/09 01:34
1,4-Dichlorobenzene	< .001	mg/l			WG418430	04/24/09 01:34
2,2-Dichloropropane	< .001	mg/l			WG418430	04/24/09 01:34
2-Butanone (MEK)	< .01	mg/l			WG418430	04/24/09 01:34
2-Chloroethyl vinyl ether	< .001	mg/l			WG418430	04/24/09 01:34
2-Chlorotoluene	< .001	mg/l			WG418430	04/24/09 01:34
4-Chlorotoluene	< .001	mg/l			WG418430	04/24/09 01:34
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG418430	04/24/09 01:34
Acetone	< .05	mg/l			WG418430	04/24/09 01:34
Acrolein	< .05	mg/l			WG418430	04/24/09 01:34
Acrylonitrile	< .01	mg/l			WG418430	04/24/09 01:34
Benzene	< .001	mg/l			WG418430	04/24/09 01:34
Bromobenzene	< .001	mg/l			WG418430	04/24/09 01:34
Bromodichloromethane	< .001	mg/l			WG418430	04/24/09 01:34
Bromoform	< .001	mg/l			WG418430	04/24/09 01:34
Bromomethane	< .005	mg/l			WG418430	04/24/09 01:34
Carbon tetrachloride	< .001	mg/l			WG418430	04/24/09 01:34
Chlorobenzene	< .001	mg/l			WG418430	04/24/09 01:34
Chlorodibromomethane	< .001	mg/l			WG418430	04/24/09 01:34
Chloroethane	< .001	mg/l			WG418430	04/24/09 01:34
Chloroform	< .005	mg/l			WG418430	04/24/09 01:34
Chloromethane	< .001	mg/l			WG418430	04/24/09 01:34
cis-1,2-Dichloroethene	< .001	mg/l			WG418430	04/24/09 01:34
cis-1,3-Dichloropropene	< .001	mg/l			WG418430	04/24/09 01:34
Di-isopropyl ether	< .001	mg/l			WG418430	04/24/09 01:34
Dibromomethane	< .001	mg/l			WG418430	04/24/09 01:34
Dichlorodifluoromethane	< .005	mg/l			WG418430	04/24/09 01:34
Ethylbenzene	< .001	mg/l			WG418430	04/24/09 01:34
Hexachloro-1,3-butadiene	< .001	mg/l			WG418430	04/24/09 01:34
Isopropylbenzene	< .001	mg/l			WG418430	04/24/09 01:34
Methyl tert-butyl ether	< .001	mg/l			WG418430	04/24/09 01:34
Methylene Chloride	< .005	mg/l			WG418430	04/24/09 01:34
n-Butylbenzene	< .001	mg/l			WG418430	04/24/09 01:34

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Quality Assurance Report
Level II

L398979

April 30, 2009

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
n-Propylbenzene	< .001	mg/l			WG418430	04/24/09 01:34
Naphthalene	< .005	mg/l			WG418430	04/24/09 01:34
p-Isopropyltoluene	< .001	mg/l			WG418430	04/24/09 01:34
sec-Butylbenzene	< .001	mg/l			WG418430	04/24/09 01:34
Styrene	< .001	mg/l			WG418430	04/24/09 01:34
tert-Butylbenzene	< .001	mg/l			WG418430	04/24/09 01:34
Tetrachloroethene	< .001	mg/l			WG418430	04/24/09 01:34
Toluene	< .005	mg/l			WG418430	04/24/09 01:34
trans-1,2-Dichloroethene	< .001	mg/l			WG418430	04/24/09 01:34
trans-1,3-Dichloropropene	< .001	mg/l			WG418430	04/24/09 01:34
Trichloroethene	< .001	mg/l			WG418430	04/24/09 01:34
Trichlorofluoromethane	< .005	mg/l			WG418430	04/24/09 01:34
Vinyl chloride	< .001	mg/l			WG418430	04/24/09 01:34
4-Bromofluorobenzene		% Rec.	102.0	75-128	WG418430	04/24/09 01:34
Dibromofluoromethane		% Rec.	95.22	79-125	WG418430	04/24/09 01:34
Toluene-d8		% Rec.	95.17	87-114	WG418430	04/24/09 01:34
Arsenic	< .02	mg/l			WG418285	04/24/09 17:10
Barium	< .005	mg/l			WG418285	04/24/09 17:10
Cadmium	< .005	mg/l			WG418285	04/24/09 17:10
Chromium	< .01	mg/l			WG418285	04/24/09 17:10
Lead	< .005	mg/l			WG418285	04/24/09 17:10
Selenium	< .02	mg/l			WG418285	04/24/09 17:10
Silver	< .01	mg/l			WG418285	04/24/09 17:10
1,2,4-Trichlorobenzene	< .01	ppm			WG418713	04/27/09 11:57
2,4,6-Trichlorophenol	< .01	ppm			WG418713	04/27/09 11:57
2,4-Dichlorophenol	< .01	ppm			WG418713	04/27/09 11:57
2,4-Dimethylphenol	< .01	ppm			WG418713	04/27/09 11:57
2,4-Dinitrophenol	< .01	ppm			WG418713	04/27/09 11:57
2,4-Dinitrotoluene	< .01	ppm			WG418713	04/27/09 11:57
2,6-Dinitrotoluene	< .01	ppm			WG418713	04/27/09 11:57
2-Chloronaphthalene	< .01	ppm			WG418713	04/27/09 11:57
2-Chlorophenol	< .01	ppm			WG418713	04/27/09 11:57
2-Nitrophenol	< .01	ppm			WG418713	04/27/09 11:57
3,3 Dichlorobenzidine	< .01	ppm			WG418713	04/27/09 11:57
4,6-Dinitro-2-methylphenol	< .01	ppm			WG418713	04/27/09 11:57
4-Bromophenyl-phenylether	< .01	ppm			WG418713	04/27/09 11:57
4-Chloro-3-methylphenol	< .01	ppm			WG418713	04/27/09 11:57
4-Chlorophenyl-phenylether	< .01	ppm			WG418713	04/27/09 11:57
4-Nitrophenol	< .01	ppm			WG418713	04/27/09 11:57
Acenaphthene	< .01	ppm			WG418713	04/27/09 11:57
Acenaphthylene	< .01	ppm			WG418713	04/27/09 11:57
Anthracene	< .01	ppm			WG418713	04/27/09 11:57
Benzidine	< .01	ppm			WG418713	04/27/09 11:57
Benzo(a)anthracene	< .01	ppm			WG418713	04/27/09 11:57
Benzo(a)pyrene	< .01	ppm			WG418713	04/27/09 11:57
Benzo(b)fluoranthene	< .01	ppm			WG418713	04/27/09 11:57
Benzo(g,h,i)perylene	< .01	ppm			WG418713	04/27/09 11:57
Benzo(k)fluoranthene	< .01	ppm			WG418713	04/27/09 11:57
Benzylbutyl phthalate	< .01	ppm			WG418713	04/27/09 11:57
Bis(2-chlorethoxy)methane	< .01	ppm			WG418713	04/27/09 11:57
Bis(2-chloroethyl)ether	< .01	ppm			WG418713	04/27/09 11:57
Bis(2-chloroisopropyl)ether	< .01	ppm			WG418713	04/27/09 11:57
Bis(2-ethylhexyl)phthalate	< .01	ppm			WG418713	04/27/09 11:57
Chrysene	< .01	ppm			WG418713	04/27/09 11:57
Di-n-butyl phthalate	< .01	ppm			WG418713	04/27/09 11:57

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Quality Assurance Report
Level II

L398979

April 30, 2009

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Di-n-octyl phthalate	< .01	ppm			WG418713	04/27/09 11:57
Dibenz(a,h)anthracene	< .01	ppm			WG418713	04/27/09 11:57
Diethyl phthalate	< .01	ppm			WG418713	04/27/09 11:57
Dimethyl phthalate	< .01	ppm			WG418713	04/27/09 11:57
Fluoranthene	< .01	ppm			WG418713	04/27/09 11:57
Fluorene	< .01	ppm			WG418713	04/27/09 11:57
Hexachloro-1,3-butadiene	< .01	ppm			WG418713	04/27/09 11:57
Hexachlorobenzene	< .01	ppm			WG418713	04/27/09 11:57
Hexachlorocyclopentadiene	< .01	ppm			WG418713	04/27/09 11:57
Hexachloroethane	< .01	ppm			WG418713	04/27/09 11:57
Indeno(1,2,3-cd)pyrene	< .01	ppm			WG418713	04/27/09 11:57
Isophorone	< .01	ppm			WG418713	04/27/09 11:57
n-Nitrosodi-n-propylamine	< .01	ppm			WG418713	04/27/09 11:57
n-Nitrosodimethylamine	< .05	ppm			WG418713	04/27/09 11:57
n-Nitrosodiphenylamine	< .01	ppm			WG418713	04/27/09 11:57
Naphthalene	< .01	ppm			WG418713	04/27/09 11:57
Nitrobenzene	< .01	ppm			WG418713	04/27/09 11:57
Pentachlorophenol	< .01	ppm			WG418713	04/27/09 11:57
Phenanthrene	< .01	ppm			WG418713	04/27/09 11:57
Phenol	< .01	ppm			WG418713	04/27/09 11:57
Pyrene	< .01	ppm			WG418713	04/27/09 11:57
2,4,6-Tribromophenol		% Rec.	73.97	10-148	WG418713	04/27/09 11:57
2-Fluorobiphenyl		% Rec.	88.22	26-122	WG418713	04/27/09 11:57
2-Fluorophenol		% Rec.	40.08	10-87	WG418713	04/27/09 11:57
Nitrobenzene-d5		% Rec.	74.40	12-120	WG418713	04/27/09 11:57
Phenol-d5		% Rec.	25.14	10-67	WG418713	04/27/09 11:57
p-Terphenyl-d14		% Rec.	120.1	34-149	WG418713	04/27/09 11:57
Suspended Solids	< 1	mg/l			WG418350	04/27/09 13:48
Suspended Solids	< 1	mg/l			WG418352	04/24/09 10:32
1,2,4-Trichlorobenzene	< .01	ppm			WG419082	04/29/09 10:13
2,4,6-Trichlorophenol	< .01	ppm			WG419082	04/29/09 10:13
2,4-Dichlorophenol	< .01	ppm			WG419082	04/29/09 10:13
2,4-Dimethylphenol	< .01	ppm			WG419082	04/29/09 10:13
2,4-Dinitrophenol	< .01	ppm			WG419082	04/29/09 10:13
2,4-Dinitrotoluene	< .01	ppm			WG419082	04/29/09 10:13
2,6-Dinitrotoluene	< .01	ppm			WG419082	04/29/09 10:13
2-Chloronaphthalene	< .01	ppm			WG419082	04/29/09 10:13
2-Chlorophenol	< .01	ppm			WG419082	04/29/09 10:13
2-Nitrophenol	< .01	ppm			WG419082	04/29/09 10:13
3,3-Dichlorobenzidine	< .01	ppm			WG419082	04/29/09 10:13
4,6-Dinitro-2-methylphenol	< .01	ppm			WG419082	04/29/09 10:13
4-Bromophenyl-phenylether	< .01	ppm			WG419082	04/29/09 10:13
4-Chloro-3-methylphenol	< .01	ppm			WG419082	04/29/09 10:13
4-Chlorophenyl-phenylether	< .01	ppm			WG419082	04/29/09 10:13
4-Nitrophenol	< .01	ppm			WG419082	04/29/09 10:13
Acenaphthene	< .01	ppm			WG419082	04/29/09 10:13
Acenaphthylene	< .01	ppm			WG419082	04/29/09 10:13
Anthracene	< .01	ppm			WG419082	04/29/09 10:13
Benzidine	< .01	ppm			WG419082	04/29/09 10:13
Benzo(a)anthracene	< .01	ppm			WG419082	04/29/09 10:13
Benzo(a)pyrene	< .01	ppm			WG419082	04/29/09 10:13
Benzo(b)fluoranthene	< .01	ppm			WG419082	04/29/09 10:13
Benzo(g,h,i)perylene	< .01	ppm			WG419082	04/29/09 10:13

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Benzo(k)fluoranthene	< .01	ppm			WG419082	04/29/09 10:13
Benzylbutyl phthalate	< .01	ppm			WG419082	04/29/09 10:13
Bis(2-chlorethoxy)methane	< .01	ppm			WG419082	04/29/09 10:13
Bis(2-chloroethyl)ether	< .01	ppm			WG419082	04/29/09 10:13
Bis(2-chloroisopropyl)ether	< .01	ppm			WG419082	04/29/09 10:13
Bis(2-ethylhexyl)phthalate	< .01	ppm			WG419082	04/29/09 10:13
Chrysene	< .01	ppm			WG419082	04/29/09 10:13
Di-n-butyl phthalate	< .01	ppm			WG419082	04/29/09 10:13
Di-n-octyl phthalate	< .01	ppm			WG419082	04/29/09 10:13
Dibenz(a,h)anthracene	< .01	ppm			WG419082	04/29/09 10:13
Diethyl phthalate	< .01	ppm			WG419082	04/29/09 10:13
Dimethyl phthalate	< .01	ppm			WG419082	04/29/09 10:13
Fluoranthene	< .01	ppm			WG419082	04/29/09 10:13
Fluorene	< .01	ppm			WG419082	04/29/09 10:13
Hexachloro-1,3-butadiene	< .01	ppm			WG419082	04/29/09 10:13
Hexachlorobenzene	< .01	ppm			WG419082	04/29/09 10:13
Hexachlorocyclopentadiene	< .01	ppm			WG419082	04/29/09 10:13
Hexachloroethane	< .01	ppm			WG419082	04/29/09 10:13
Indeno(1,2,3-cd)pyrene	< .01	ppm			WG419082	04/29/09 10:13
Isophorone	< .01	ppm			WG419082	04/29/09 10:13
n-Nitrosodi-n-propylamine	< .01	ppm			WG419082	04/29/09 10:13
n-Nitrosodimethylamine	< .05	ppm			WG419082	04/29/09 10:13
n-Nitrosodiphenylamine	< .01	ppm			WG419082	04/29/09 10:13
Naphthalene	< .01	ppm			WG419082	04/29/09 10:13
Nitrobenzene	< .01	ppm			WG419082	04/29/09 10:13
Pentachlorophenol	< .01	ppm			WG419082	04/29/09 10:13
Phenanthrene	< .01	ppm			WG419082	04/29/09 10:13
Phenol	< .01	ppm			WG419082	04/29/09 10:13
Pyrene	< .01	ppm			WG419082	04/29/09 10:13
2,4,6-Tribromophenol		% Rec.	83.91	10-148	WG419082	04/29/09 10:13
2-Fluorobiphenyl		% Rec.	74.02	26-122	WG419082	04/29/09 10:13
2-Fluorophenol		% Rec.	45.71	10-87	WG419082	04/29/09 10:13
Nitrobenzene-d5		% Rec.	70.25	12-120	WG419082	04/29/09 10:13
Phenol-d5		% Rec.	28.38	10-67	WG419082	04/29/09 10:13
p-Terphenyl-d14		% Rec.	125.4	34-149	WG419082	04/29/09 10:13

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Mercury	mg/l	0.00	0.00	0.00	20	L398935-02	WG418273
Chloride	mg/l	6.73	6.90	2.49	20	L398918-03	WG418334
Chloride	mg/l	32.0	32.0	0.00	20	L398979-03	WG418334
Arsenic	mg/l	0.00	0.00	0.00	20	L398979-04	WG418285
Barium	mg/l	0.0499	0.0490	1.82	20	L398979-04	WG418285
Cadmium	mg/l	0.00	0.00	0.00	20	L398979-04	WG418285
Chromium	mg/l	0.00	0.00	0.00	20	L398979-04	WG418285
Lead	mg/l	0.00	0.00	0.00	20	L398979-04	WG418285
Selenium	mg/l	0.00	0.00	0.00	20	L398979-04	WG418285
Silver	mg/l	0.00	0.00	0.00	20	L398979-04	WG418285
Suspended Solids	mg/l	7.50	7.00	6.90*	5	L399013-04	WG418350
Suspended Solids	mg/l	216.	220.	1.83	5	L399007-01	WG418352

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Tax I.D. 62-0814289

Est. 1970

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Chan Bryant
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L398979

April 30, 2009

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Mercury	mg/l	.003	0.00298	99.3	85-115	WG418273
Chloride	mg/l	40	40.1	100.	90-110	WG418334
1,1,1,2-Tetrachloroethane	mg/l	.05	0.0611	122.	75-134	WG418430
1,1,1-Trichloroethane	mg/l	.05	0.0563	113.	67-137	WG418430
1,1,2,2-Tetrachloroethane	mg/l	.05	0.0541	108.	72-128	WG418430
1,1,2-Trichloroethane	mg/l	.05	0.0569	114.	79-123	WG418430
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	.05	0.0712	142.	51-149	WG418430
1,1-Dichloroethane	mg/l	.05	0.0512	102.	67-133	WG418430
1,1-Dichloroethene	mg/l	.05	0.0548	110.	60-130	WG418430
1,1-Dichloropropene	mg/l	.05	0.0504	101.	68-132	WG418430
1,2,3-Trichlorobenzene	mg/l	.05	0.0555	111.	63-138	WG418430
1,2,3-Trichloropropane	mg/l	.05	0.0600	120.	68-130	WG418430
1,2,3-Trimethylbenzene	mg/l	.05	0.0568	114.	70-127	WG418430
1,2,4-Trichlorobenzene	mg/l	.05	0.0567	113.	65-137	WG418430
1,2,4-Trimethylbenzene	mg/l	.05	0.0602	120.	72-135	WG418430
1,2-Dibromo-3-Chloropropane	mg/l	.05	0.0533	107.	55-134	WG418430
1,2-Dibromoethane	mg/l	.05	0.0590	118.	75-126	WG418430
1,2-Dichlorobenzene	mg/l	.05	0.0554	111.	75-122	WG418430
1,2-Dichloroethane	mg/l	.05	0.0543	109.	63-137	WG418430
1,2-Dichloropropane	mg/l	.05	0.0491	98.1	74-122	WG418430
1,3,5-Trimethylbenzene	mg/l	.05	0.0600	120.	73-134	WG418430
1,3-Dichlorobenzene	mg/l	.05	0.0578	116.	73-131	WG418430
1,3-Dichloropropane	mg/l	.05	0.0556	111.	77-119	WG418430
1,4-Dichlorobenzene	mg/l	.05	0.0545	109.	70-121	WG418430
2,2-Dichloropropane	mg/l	.05	0.0534	107.	46-151	WG418430
2-Butanone (MEK)	mg/l	.25	0.249	99.8	53-132	WG418430
2-Chloroethyl vinyl ether	mg/l	.25	0.324	130.	0-171	WG418430
2-Chlorotoluene	mg/l	.05	0.0589	118.	74-128	WG418430
4-Chlorotoluene	mg/l	.05	0.0571	114.	74-130	WG418430
4-Methyl-2-pentanone (MIBK)	mg/l	.25	0.246	98.3	60-142	WG418430
Acetone	mg/l	.25	0.250	99.8	48-134	WG418430
Acrolein	mg/l	.25	0.204	81.6	6-182	WG418430
Acrylonitrile	mg/l	.25	0.234	93.7	60-140	WG418430
Benzene	mg/l	.05	0.0481	96.3	67-126	WG418430
Bromobenzene	mg/l	.05	0.0593	119.	76-123	WG418430
Bromodichloromethane	mg/l	.05	0.0580	116.	68-133	WG418430
Bromoform	mg/l	.05	0.0627	125.	60-139	WG418430
Bromomethane	mg/l	.05	0.0505	101.	45-175	WG418430
Carbon tetrachloride	mg/l	.05	0.0546	109.	64-141	WG418430
Chlorobenzene	mg/l	.05	0.0583	117.	77-125	WG418430
Chlorodibromomethane	mg/l	.05	0.0625	125.	73-138	WG418430
Chloroethane	mg/l	.05	0.0509	102.	49-155	WG418430
Chloroform	mg/l	.05	0.0524	105.	66-126	WG418430
Chloromethane	mg/l	.05	0.0447	89.5	45-152	WG418430
cis-1,2-Dichloroethene	mg/l	.05	0.0522	104.	72-128	WG418430
cis-1,3-Dichloropropene	mg/l	.05	0.0530	106.	73-131	WG418430
Di-isopropyl ether	mg/l	.05	0.0501	100.	63-139	WG418430
Dibromomethane	mg/l	.05	0.0543	109.	73-125	WG418430
Dichlorodifluoromethane	mg/l	.05	0.0603	121.	39-189	WG418430
Ethylbenzene	mg/l	.05	0.0592	118.	76-129	WG418430
Hexachloro-1,3-butadiene	mg/l	.05	0.0558	112.	67-135	WG418430
Isopropylbenzene	mg/l	.05	0.0608	122.	73-132	WG418430
Methyl tert-butyl ether	mg/l	.05	0.0519	104.	51-142	WG418430
Methylene Chloride	mg/l	.05	0.0454	90.8	64-125	WG418430
n-Butylbenzene	mg/l	.05	0.0576	115.	63-142	WG418430

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Quality Assurance Report
Level II

L398979

April 30, 2009

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
n-Propylbenzene	mg/l	.05	0.0575	115.	71-132	WG418430
Naphthalene	mg/l	.05	0.0524	105.	56-145	WG418430
p-Isopropyltoluene	mg/l	.05	0.0607	121.	68-138	WG418430
sec-Butylbenzene	mg/l	.05	0.0594	119.	70-135	WG418430
Styrene	mg/l	.05	0.0593	119.	78-130	WG418430
tert-Butylbenzene	mg/l	.05	0.0604	121.	72-134	WG418430
Tetrachloroethene	mg/l	.05	0.0600	120.	67-135	WG418430
Toluene	mg/l	.05	0.0514	103.	72-122	WG418430
trans-1,2-Dichloroethene	mg/l	.05	0.0539	108.	67-129	WG418430
trans-1,3-Dichloropropene	mg/l	.05	0.0552	110.	66-137	WG418430
Trichloroethene	mg/l	.05	0.0543	109.	74-126	WG418430
Trichlorofluoromethane	mg/l	.05	0.0567	113.	54-156	WG418430
Vinyl chloride	mg/l	.05	0.0502	100.	55-153	WG418430
4-Bromofluorobenzene				102.7	75-128	WG418430
Dibromofluoromethane				99.39	79-125	WG418430
Toluene-d8				95.93	87-114	WG418430
Arsenic	mg/l	1.13	1.08	95.6	85-115	WG418285
Barium	mg/l	1.13	1.17	104.	85-115	WG418285
Cadmium	mg/l	1.13	1.18	104.	85-115	WG418285
Chromium	mg/l	1.13	1.08	95.6	85-115	WG418285
Lead	mg/l	1.13	1.12	99.1	85-115	WG418285
Selenium	mg/l	1.13	1.23	109.	85-115	WG418285
Silver	mg/l	1.13	1.13	100.	85-115	WG418285
1,2,4-Trichlorobenzene	ppm	.01	0.00798	79.8	26-103	WG418713
2,4,6-Trichlorophenol	ppm	.01	0.00907	90.7	49-118	WG418713
2,4-Dichlorophenol	ppm	.01	0.00834	83.4	46-115	WG418713
2,4-Dimethylphenol	ppm	.01	0.0111	111.	40-124	WG418713
2,4-Dinitrophenol	ppm	.01	0.00382	38.2	10-125	WG418713
2,4-Dinitrotoluene	ppm	.01	0.0102	102.	56-128	WG418713
2,6-Dinitrotoluene	ppm	.01	0.00996	99.6	56-121	WG418713
2-Chloronaphthalene	ppm	.01	0.00859	85.9	44-110	WG418713
2-Chlorophenol	ppm	.01	0.00757	75.7	38-114	WG418713
2-Nitrophenol	ppm	.01	0.00862	86.2	35-118	WG418713
3,3-Dichlorobenzidine	ppm	.01	0.00867	86.7	46-145	WG418713
4,6-Dinitro-2-methylphenol	ppm	.01	0.00552	55.2	24-119	WG418713
4-Bromophenyl-phenylether	ppm	.01	0.0102	102.	45-105	WG418713
4-Chloro-3-methylphenol	ppm	.01	0.00830	83.0	47-116	WG418713
4-Chlorophenyl-phenylether	ppm	.01	0.0104	104.	49-116	WG418713
4-Nitrophenol	ppm	.01	0.00170	17.0	10-66	WG418713
Acenaphthene	ppm	.01	0.00908	90.8	48-110	WG418713
Acenaphthylene	ppm	.01	0.00937	93.7	48-113	WG418713
Anthracene	ppm	.01	0.0101	101.	55-127	WG418713
Benzidine	ppm	.01	0.00102	10.2	0-46	WG418713
Benzo(a)anthracene	ppm	.01	0.00887	88.7	57-115	WG418713
Benzo(a)pyrene	ppm	.01	0.00880	88.0	63-125	WG418713
Benzo(b)fluoranthene	ppm	.01	0.00759	75.9	50-123	WG418713
Benzo(g,h,i)perylene	ppm	.01	0.00935	93.5	39-143	WG418713
Benzo(k)fluoranthene	ppm	.01	0.00741	74.1	45-126	WG418713
Benzylbutyl phthalate	ppm	.01	0.00703	70.3	22-154	WG418713
Bis(2-chlorethoxy)methane	ppm	.01	0.00974	97.4	42-116	WG418713
Bis(2-chloroethyl)ether	ppm	.01	0.00865	86.5	26-115	WG418713
Bis(2-chloroisopropyl)ether	ppm	.01	0.00835	83.5	32-115	WG418713
Bis(2-ethylhexyl)phthalate	ppm	.01	0.0103	103.	47-143	WG418713
Chrysene	ppm	.01	0.00907	90.7	58-113	WG418713
Di-n-butyl phthalate	ppm	.01	0.00937	93.7	51-131	WG418713

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L398979

April 30, 2009

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Di-n-octyl phthalate	ppm	.01	0.00884	88.4	51-138	WG418713
Dibenz(a,h)anthracene	ppm	.01	0.00958	95.8	39-144	WG418713
Diethyl phthalate	ppm	.01	0.00746	74.6	36-128	WG418713
Dimethyl phthalate	ppm	.01	0.00533	53.3	10-135	WG418713
Fluoranthene	ppm	.01	0.0100	100.	53-119	WG418713
Fluorene	ppm	.01	0.00901	90.1	49-116	WG418713
Hexachloro-1,3-butadiene	ppm	.01	0.0101	101.	21-116	WG418713
Hexachlorobenzene	ppm	.01	0.0115	115.	51-121	WG418713
Hexachlorocyclopentadiene	ppm	.01	0.00383	38.3	4-126	WG418713
Hexachloroethane	ppm	.01	0.00735	73.5	15-109	WG418713
Indeno(1,2,3-cd)pyrene	ppm	.01	0.00932	93.2	40-143	WG418713
Isophorone	ppm	.01	0.00900	90.0	48-126	WG418713
n-Nitrosodi-n-propylamine	ppm	.01	0.00882	88.2	47-122	WG418713
n-Nitrosodimethylamine	ppm	.01	0.00645	64.5	11-69	WG418713
n-Nitrosodiphenylamine	ppm	.01	0.0107	107.	59-143	WG418713
Naphthalene	ppm	.01	0.00809	80.9	29-103	WG418713
Nitrobenzene	ppm	.01	0.00851	85.1	31-105	WG418713
Pentachlorophenol	ppm	.01	0.00656	65.6	20-122	WG418713
Phenanthrene	ppm	.01	0.00925	92.6	54-112	WG418713
Phenol	ppm	.01	0.00292	29.2	17-52	WG418713
Pyrene	ppm	.01	0.00887	88.7	46-130	WG418713
2,4,6-Tribromophenol				105.2	10-148	WG418713
2-Fluorobiphenyl				87.02	26-122	WG418713
2-Fluorophenol				45.72	10-87	WG418713
Nitrobenzene-d5				85.15	12-120	WG418713
Phenol-d5				27.24	10-67	WG418713
p-Terphenyl-d14				109.5	34-149	WG418713
Suspended Solids	mg/l	778	776.	99.7	85-115	WG418350
Suspended Solids	mg/l	778	792.	102.	85-115	WG418352
1,2,4-Trichlorobenzene	ppm	.01	0.00712	71.2	26-103	WG419082
2,4,6-Trichlorophenol	ppm	.01	0.00760	76.0	49-118	WG419082
2,4-Dichlorophenol	ppm	.01	0.00823	82.3	46-115	WG419082
2,4-Dimethylphenol	ppm	.01	0.0126	126.*	40-124	WG419082
2,4-Dinitrophenol	ppm	.01	0.0117	117.	10-125	WG419082
2,4-Dinitrotoluene	ppm	.01	0.0109	109.	56-128	WG419082
2,6-Dinitrotoluene	ppm	.01	0.0101	101.	56-121	WG419082
2-Chloronaphthalene	ppm	.01	0.00845	84.5	44-110	WG419082
2-Chlorophenol	ppm	.01	0.00664	66.4	38-114	WG419082
2-Nitrophenol	ppm	.01	0.00819	81.9	35-118	WG419082
3,3-Dichlorobenzidine	ppm	.01	0.00778	77.8	46-145	WG419082
4,6-Dinitro-2-methylphenol	ppm	.01	0.00888	88.8	24-119	WG419082
4-Bromophenyl-phenylether	ppm	.01	0.00787	78.7	45-105	WG419082
4-Chloro-3-methylphenol	ppm	.01	0.00872	87.2	47-116	WG419082
4-Chlorophenyl-phenylether	ppm	.01	0.0102	102.	49-116	WG419082
4-Nitrophenol	ppm	.01	0.00368	36.8	10-66	WG419082
Acenaphthene	ppm	.01	0.00842	84.2	48-110	WG419082
Acenaphthylene	ppm	.01	0.00888	88.8	48-113	WG419082
Anthracene	ppm	.01	0.00921	92.1	55-127	WG419082
Benzidine	ppm	.01	0.00143	14.3	0-46	WG419082
Benzo(a)anthracene	ppm	.01	0.00947	94.7	57-115	WG419082
Benzo(a)pyrene	ppm	.01	0.00929	92.9	63-125	WG419082
Benzo(b)fluoranthene	ppm	.01	0.00889	88.9	50-123	WG419082
Benzo(g,h,i)perylene	ppm	.01	0.0117	117.	39-143	WG419082

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Benzo(k)fluoranthene	ppm	.01	0.00902	90.2	45-126	WG419082
Benzylbutyl phthalate	ppm	.01	0.00563	56.3	22-154	WG419082
Bis(2-chlorethoxy)methane	ppm	.01	0.00938	93.8	42-116	WG419082
Bis(2-chloroethyl)ether	ppm	.01	0.00765	76.5	26-115	WG419082
Bis(2-chloroisopropyl)ether	ppm	.01	0.00854	85.4	32-115	WG419082
Bis(2-ethylhexyl)phthalate	ppm	.01	0.0107	107.	47-143	WG419082
Chrysene	ppm	.01	0.00864	86.4	58-113	WG419082
Di-n-butyl phthalate	ppm	.01	0.00832	83.2	51-131	WG419082
Di-n-octyl phthalate	ppm	.01	0.00981	98.1	51-138	WG419082
Dibenz(a,h)anthracene	ppm	.01	0.0116	116.	39-144	WG419082
Diethyl phthalate	ppm	.01	0.00728	72.8	36-128	WG419082
Dimethyl phthalate	ppm	.01	0.00295	29.5	10-135	WG419082
Fluoranthene	ppm	.01	0.00941	94.1	53-119	WG419082
Fluorene	ppm	.01	0.00879	87.9	49-116	WG419082
Hexachloro-1,3-butadiene	ppm	.01	0.00869	86.9	21-116	WG419082
Hexachlorobenzene	ppm	.01	0.00820	82.0	51-121	WG419082
Hexachlorocyclopentadiene	ppm	.01	0.00667	66.7	4-126	WG419082
Hexachloroethane	ppm	.01	0.00705	70.5	15-109	WG419082
Indeno(1,2,3-cd)pyrene	ppm	.01	0.0117	117.	40-143	WG419082
Isophorone	ppm	.01	0.00849	84.9	48-126	WG419082
n-Nitrosodi-n-propylamine	ppm	.01	0.00846	84.6	47-122	WG419082
n-Nitrosodimethylamine	ppm	.01	0.00449	44.9	11-69	WG419082
n-Nitrosodiphenylamine	ppm	.01	0.00906	90.6	59-143	WG419082
Naphthalene	ppm	.01	0.00778	77.8	29-103	WG419082
Nitrobenzene	ppm	.01	0.00781	78.1	31-105	WG419082
Pentachlorophenol	ppm	.01	0.0106	106.	20-122	WG419082
Phenanthrene	ppm	.01	0.00819	81.9	54-112	WG419082
Phenol	ppm	.01	0.00322	32.2	17-52	WG419082
Pyrene	ppm	.01	0.00959	95.9	46-130	WG419082
2,4,6-Tribromophenol				97.33	10-148	WG419082
2-Fluorobiphenyl				84.35	26-122	WG419082
2-Fluorophenol				44.46	10-87	WG419082
Nitrobenzene-d5				81.20	12-120	WG419082
Phenol-d5				27.77	10-67	WG419082
p-Terphenyl-d14				117.6	34-149	WG419082

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Chloride	mg/l	39.9	40.1	100.	90-110	0.500	20	WG418334
1,1,1,2-Tetrachloroethane	mg/l	0.0570	0.0611	114.	75-134	6.93	20	WG418430
1,1,1-Trichloroethane	mg/l	0.0494	0.0563	99.0	67-137	13.2	20	WG418430
1,1,2,2-Tetrachloroethane	mg/l	0.0555	0.0541	111.	72-128	2.49	20	WG418430
1,1,2-Trichloroethane	mg/l	0.0558	0.0569	112.	79-123	1.83	20	WG418430
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0634	0.0712	127.	51-149	11.5	20	WG418430
1,1-Dichloroethane	mg/l	0.0456	0.0512	91.0	67-133	11.6	20	WG418430
1,1-Dichloroethene	mg/l	0.0473	0.0548	95.0	60-130	14.7	20	WG418430
1,1-Dichloropropene	mg/l	0.0456	0.0504	91.0	68-132	9.94	20	WG418430
1,2,3-Trichlorobenzene	mg/l	0.0514	0.0555	103.	63-138	7.78	20	WG418430
1,2,3-Trichloropropane	mg/l	0.0590	0.0600	118.	68-130	1.61	20	WG418430
1,2,3-Trimethylbenzene	mg/l	0.0516	0.0568	103.	70-127	9.60	20	WG418430
1,2,4-Trichlorobenzene	mg/l	0.0519	0.0567	104.	65-137	8.81	20	WG418430
1,2,4-Trimethylbenzene	mg/l	0.0577	0.0602	115.	72-135	4.28	20	WG418430
1,2-Dibromo-3-Chloropropane	mg/l	0.0536	0.0533	107.	55-134	0.511	20	WG418430
1,2-Dibromoethane	mg/l	0.0568	0.0590	114.	75-126	3.88	20	WG418430
1,2-Dichlorobenzene	mg/l	0.0503	0.0554	101.	75-122	9.65	20	WG418430
1,2-Dichloroethane	mg/l	0.0494	0.0543	99.0	63-137	9.56	20	WG418430

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Chan Bryant
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L398979

April 30, 2009

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,2-Dichloropropane	mg/l	0.0465	0.0491	93.0	74-122	5.31	20	WG418430
1,3,5-Trimethylbenzene	mg/l	0.0570	0.0600	114.	73-134	5.13	20	WG418430
1,3-Dichlorobenzene	mg/l	0.0547	0.0578	109.	73-131	5.42	20	WG418430
1,3-Dichloropropane	mg/l	0.0542	0.0556	108.	77-119	2.49	20	WG418430
1,4-Dichlorobenzene	mg/l	0.0509	0.0545	102.	70-121	6.83	20	WG418430
2,2-Dichloropropane	mg/l	0.0489	0.0534	98.0	46-151	8.76	20	WG418430
2-Butanone (MEK)	mg/l	0.237	0.249	95.0	53-132	5.23	20	WG418430
2-Chloroethyl vinyl ether	mg/l	0.290	0.324	116.	0-171	10.9	27	WG418430
2-Chlorotoluene	mg/l	0.0561	0.0589	112.	74-128	4.90	20	WG418430
4-Chlorotoluene	mg/l	0.0552	0.0571	110.	74-130	3.36	20	WG418430
4-Methyl-2-pentanone (MIBK)	mg/l	0.253	0.246	101.	60-142	2.84	20	WG418430
Acetone	mg/l	0.233	0.250	93.0	48-134	6.68	20	WG418430
Acrolein	mg/l	0.174	0.204	70.0	6-182	15.9	39	WG418430
Acrylonitrile	mg/l	0.213	0.234	85.0	60-140	9.36	20	WG418430
Benzene	mg/l	0.0427	0.0481	85.0	67-126	12.1	20	WG418430
Bromobenzene	mg/l	0.0559	0.0593	112.	76-123	6.00	20	WG418430
Bromodichloromethane	mg/l	0.0542	0.0580	108.	68-133	6.70	20	WG418430
Bromoform	mg/l	0.0614	0.0627	123.	60-139	2.06	20	WG418430
Bromomethane	mg/l	0.0453	0.0505	91.0	45-175	10.9	20	WG418430
Carbon tetrachloride	mg/l	0.0482	0.0546	96.0	64-141	12.5	20	WG418430
Chlorobenzene	mg/l	0.0545	0.0583	109.	77-125	6.76	20	WG418430
Chlorodibromomethane	mg/l	0.0604	0.0625	121.	73-138	3.50	20	WG418430
Chloroethane	mg/l	0.0443	0.0509	89.0	49-155	13.9	20	WG418430
Chloroform	mg/l	0.0465	0.0524	93.0	66-126	11.9	20	WG418430
Chloromethane	mg/l	0.0396	0.0447	79.0	45-152	12.2	20	WG418430
cis-1,2-Dichloroethene	mg/l	0.0452	0.0522	90.0	72-128	14.4	20	WG418430
cis-1,3-Dichloropropene	mg/l	0.0499	0.0530	100.	73-131	6.04	20	WG418430
Di-isopropyl ether	mg/l	0.0454	0.0501	91.0	63-139	9.80	20	WG418430
Dibromomethane	mg/l	0.0522	0.0543	104.	73-125	3.98	20	WG418430
Dichlorodifluoromethane	mg/l	0.0499	0.0603	100.	39-189	18.8	24	WG418430
Ethylbenzene	mg/l	0.0565	0.0592	113.	76-129	4.52	20	WG418430
Hexachloro-1,3-butadiene	mg/l	0.0505	0.0558	101.	67-135	10.1	20	WG418430
Isopropylbenzene	mg/l	0.0574	0.0608	115.	73-132	5.71	20	WG418430
Methyl tert-butyl ether	mg/l	0.0474	0.0519	95.0	51-142	8.98	20	WG418430
Methylene Chloride	mg/l	0.0397	0.0454	79.0	64-125	13.3	20	WG418430
n-Butylbenzene	mg/l	0.0535	0.0576	107.	63-142	7.35	20	WG418430
n-Propylbenzene	mg/l	0.0550	0.0575	110.	71-132	4.48	20	WG418430
Naphthalene	mg/l	0.0503	0.0524	101.	56-145	4.16	20	WG418430
p-Isopropyltoluene	mg/l	0.0571	0.0607	114.	68-138	6.03	20	WG418430
sec-Butylbenzene	mg/l	0.0554	0.0594	111.	70-135	7.03	20	WG418430
Styrene	mg/l	0.0568	0.0593	114.	78-130	4.23	20	WG418430
tert-Butylbenzene	mg/l	0.0548	0.0604	110.	72-134	9.72	20	WG418430
Tetrachloroethene	mg/l	0.0566	0.0600	113.	67-135	5.73	20	WG418430
Toluene	mg/l	0.0479	0.0514	96.0	72-122	7.15	20	WG418430
trans-1,2-Dichloroethene	mg/l	0.0467	0.0539	93.0	67-129	14.3	20	WG418430
trans-1,3-Dichloropropene	mg/l	0.0534	0.0552	107.	66-137	3.34	20	WG418430
Trichloroethene	mg/l	0.0494	0.0543	99.0	74-126	9.53	20	WG418430
Trichlorofluoromethane	mg/l	0.0504	0.0567	101.	54-156	11.6	20	WG418430
Vinyl chloride	mg/l	0.0415	0.0502	83.0	55-153	19.0	20	WG418430
4-Bromofluorobenzene				104.0	75-128			WG418430
Dibromofluoromethane				95.17	79-125			WG418430
Toluene-d8				96.78	87-114			WG418430
1,2,4-Trichlorobenzene	ppm	0.00821	0.00798	82.0	26-103	2.84	38	WG418713
2,4,6-Trichlorophenol	ppm	0.00845	0.00907	84.0	49-118	7.11	28	WG418713
2,4-Dichlorophenol	ppm	0.00808	0.00834	81.0	46-115	3.18	28	WG418713
2,4-Dimethylphenol	ppm	0.0112	0.0111	112.	40-124	0.756	36	WG418713
2,4-Dinitrophenol	ppm	0.00426	0.00382	43.0	10-125	11.0	50	WG418713

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April 30, 2009

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
2,4-Dinitrotoluene	ppm	0.0111	0.0102	111.	56-128	8.49	24	WG418713
2,6-Dinitrotoluene	ppm	0.0102	0.00996	102.	56-121	2.73	23	WG418713
2-Chloronaphthalene	ppm	0.00973	0.00859	97.0	44-110	12.4	30	WG418713
2-Chlorophenol	ppm	0.00717	0.00757	72.0	38-114	5.50	36	WG418713
2-Nitrophenol	ppm	0.00870	0.00862	87.0	35-118	0.950	35	WG418713
3,3-Dichlorobenzidine	ppm	0.00938	0.00867	94.0	46-145	7.91	31	WG418713
4,6-Dinitro-2-methylphenol	ppm	0.00542	0.00552	54.0	24-119	1.84	50	WG418713
4-Bromophenyl-phenylether	ppm	0.00983	0.0102	98.0	45-105	3.89	26	WG418713
4-Chloro-3-methylphenol	ppm	0.00808	0.00830	81.0	47-116	2.72	22	WG418713
4-Chlorophenyl-phenylether	ppm	0.0105	0.0104	105.	49-116	0.695	26	WG418713
4-Nitrophenol	ppm	0.00180	0.00170	18.0	10-66	5.25	37	WG418713
Acenaphthene	ppm	0.00970	0.00908	97.0	48-110	6.52	26	WG418713
Acenaphthylene	ppm	0.00952	0.00937	95.0	48-113	1.62	28	WG418713
Anthracene	ppm	0.0103	0.0101	103.	55-127	2.21	24	WG418713
Benzidine	ppm	0.000990	0.00102	10.0	0-46	2.74	50	WG418713
Benzo(a)anthracene	ppm	0.00955	0.00887	96.0	57-115	7.44	20	WG418713
Benzo(a)pyrene	ppm	0.00858	0.00880	86.0	63-125	2.64	22	WG418713
Benzo(b)fluoranthene	ppm	0.00745	0.00759	75.0	50-123	1.86	32	WG418713
Benzo(g,h,i)perylene	ppm	0.00907	0.00935	91.0	39-143	3.12	31	WG418713
Benzo(k)fluoranthene	ppm	0.00670	0.00741	67.0	45-126	10.0	37	WG418713
Benzylbutyl phthalate	ppm	0.00764	0.00703	76.0	22-154	8.22	29	WG418713
Bis(2-chlorethoxy)methane	ppm	0.00971	0.00974	97.0	42-116	0.308	38	WG418713
Bis(2-chloroethyl)ether	ppm	0.00846	0.00865	85.0	26-115	2.28	50	WG418713
Bis(2-chloroisopropyl)ether	ppm	0.00847	0.00835	85.0	32-115	1.47	47	WG418713
Bis(2-ethylhexyl)phthalate	ppm	0.0106	0.0103	106.	47-143	3.31	24	WG418713
Chrysene	ppm	0.00964	0.00907	96.0	58-113	6.05	21	WG418713
Di-n-butyl phthalate	ppm	0.00939	0.00937	94.0	51-131	0.238	22	WG418713
Di-n-octyl phthalate	ppm	0.00965	0.00884	96.0	51-138	8.79	22	WG418713
Dibenz(a,h)anthracene	ppm	0.00950	0.00958	95.0	39-144	0.845	30	WG418713
Diethyl phthalate	ppm	0.00870	0.00746	87.0	36-128	15.4	27	WG418713
Dimethyl phthalate	ppm	0.00593	0.00533	59.0	10-135	10.7	33	WG418713
Fluoranthene	ppm	0.00992	0.0100	99.0	53-119	1.01	28	WG418713
Fluorene	ppm	0.00977	0.00901	98.0	49-116	8.01	25	WG418713
Hexachloro-1,3-butadiene	ppm	0.0102	0.0101	102.	21-116	0.861	50	WG418713
Hexachlorobenzene	ppm	0.0112	0.0115	112.	51-121	2.18	23	WG418713
Hexachlorocyclopentadiene	ppm	0.00473	0.00383	47.0	4-126	20.9	50	WG418713
Hexachloroethane	ppm	0.00759	0.00735	76.0	15-109	3.34	50	WG418713
Indeno(1,2,3-cd)pyrene	ppm	0.00925	0.00932	93.0	40-143	0.764	30	WG418713
Isophorone	ppm	0.00902	0.00900	90.0	48-126	0.157	31	WG418713
n-Nitrosodi-n-propylamine	ppm	0.00904	0.00882	90.0	47-122	2.42	33	WG418713
n-Nitrosodimethylamine	ppm	0.00615	0.00645	62.0	11-69	4.68	50	WG418713
n-Nitrosodiphenylamine	ppm	0.0108	0.0107	108.	59-143	1.72	23	WG418713
Naphthalene	ppm	0.00812	0.00809	81.0	29-103	0.453	45	WG418713
Nitrobenzene	ppm	0.00822	0.00851	82.0	31-105	3.54	43	WG418713
Pentachlorophenol	ppm	0.00617	0.00656	62.0	20-122	6.21	50	WG418713
Phenanthrene	ppm	0.00945	0.00925	94.0	54-112	2.08	22	WG418713
Phenol	ppm	0.00276	0.00292	28.0	17-52	5.50	33	WG418713
Pyrene	ppm	0.00960	0.00887	96.0	46-130	7.97	28	WG418713
2,4,6-Tribromophenol				102.4	10-148			WG418713
2-Fluorobiphenyl				95.48	26-122			WG418713
2-Fluorophenol				43.66	10-87			WG418713
Nitrobenzene-d5				85.82	12-120			WG418713
Phenol-d5				26.66	10-67			WG418713
p-Terphenyl-d14				115.7	34-149			WG418713
Suspended Solids	mg/l	824.	776.	106.	85-115	6.00	20	WG418350

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Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Suspended Solids	mg/l	784.	792.	101.	85-115	1.02	20	WG418352
1,2,4-Trichlorobenzene	ppm	0.00857	0.00712	86.0	26-103	18.5	38	WG419082
2,4,6-Trichlorophenol	ppm	0.00792	0.00760	79.0	49-118	4.08	28	WG419082
2,4-Dichlorophenol	ppm	0.00939	0.00823	94.0	46-115	13.2	28	WG419082
2,4-Dimethylphenol	ppm	0.0139	0.0126	139*	40-124	9.68	36	WG419082
2,4-Dinitrophenol	ppm	0.0121	0.0117	121.	10-125	3.57	50	WG419082
2,4-Dinitrotoluene	ppm	0.0107	0.0109	107.	56-128	1.75	24	WG419082
2,6-Dinitrotoluene	ppm	0.0100	0.0101	100.	56-121	0.553	23	WG419082
2-Chloronaphthalene	ppm	0.00891	0.00845	89.0	44-110	5.36	30	WG419082
2-Chlorophenol	ppm	0.00735	0.00664	74.0	38-114	10.1	36	WG419082
2-Nitrophenol	ppm	0.00925	0.00819	93.0	35-118	12.1	35	WG419082
3,3-Dichlorobenzidine	ppm	0.00855	0.00778	85.0	46-145	9.42	31	WG419082
4,6-Dinitro-2-methylphenol	ppm	0.00933	0.00888	93.0	24-119	5.02	50	WG419082
4-Bromophenyl-phenylether	ppm	0.00791	0.00787	79.0	45-105	0.599	26	WG419082
4-Chloro-3-methylphenol	ppm	0.00950	0.00872	95.0	47-116	8.55	22	WG419082
4-Chlorophenyl-phenylether	ppm	0.0102	0.0102	102.	49-116	0.348	26	WG419082
4-Nitrophenol	ppm	0.00307	0.00368	31.0	10-66	18.2	37	WG419082
Acenaphthene	ppm	0.00884	0.00842	88.0	48-110	4.83	26	WG419082
Acenaphthylene	ppm	0.00937	0.00888	94.0	48-113	5.45	28	WG419082
Anthracene	ppm	0.00984	0.00921	98.0	55-127	6.60	24	WG419082
Benzidine	ppm	0.00124	0.00143	12.0	0-46	14.6	50	WG419082
Benzo(a)anthracene	ppm	0.0100	0.00947	100.	57-115	5.74	20	WG419082
Benzo(a)pyrene	ppm	0.0103	0.00929	103.	63-125	10.6	22	WG419082
Benzo(b)fluoranthene	ppm	0.0101	0.00889	101.	50-123	12.7	32	WG419082
Benzo(g,h,i)perylene	ppm	0.0118	0.0117	118.	39-143	1.46	31	WG419082
Benzo(k)fluoranthene	ppm	0.00930	0.00902	93.0	45-126	3.00	37	WG419082
Benzylbutyl phthalate	ppm	0.00915	0.00563	92.0	22-154	47.7*	29	WG419082
Bis(2-chlorethoxy)methane	ppm	0.0106	0.00938	106.	42-116	12.2	38	WG419082
Bis(2-chloroethyl)ether	ppm	0.00859	0.00765	86.0	26-115	11.5	50	WG419082
Bis(2-chloroisopropyl)ether	ppm	0.00939	0.00854	94.0	32-115	9.45	47	WG419082
Bis(2-ethylhexyl)phthalate	ppm	0.0117	0.0107	117.	47-143	9.00	24	WG419082
Chrysene	ppm	0.00949	0.00864	95.0	58-113	9.36	21	WG419082
Di-n-butyl phthalate	ppm	0.0102	0.00832	102.	51-131	20.6	22	WG419082
Di-n-octyl phthalate	ppm	0.0110	0.00981	110.	51-138	11.1	22	WG419082
Dibenz(a,h)anthracene	ppm	0.0120	0.0116	120.	39-144	3.79	30	WG419082
Diethyl phthalate	ppm	0.00975	0.00728	97.0	36-128	29.0*	27	WG419082
Dimethyl phthalate	ppm	0.00596	0.00295	60.0	10-135	67.6*	33	WG419082
Fluoranthene	ppm	0.00968	0.00941	97.0	53-119	2.82	28	WG419082
Fluorene	ppm	0.00949	0.00879	95.0	49-116	7.73	25	WG419082
Hexachloro-1,3-butadiene	ppm	0.0104	0.00869	104.	21-116	18.1	50	WG419082
Hexachlorobenzene	ppm	0.00866	0.00820	87.0	51-121	5.46	23	WG419082
Hexachlorocyclopentadiene	ppm	0.00701	0.00667	70.0	4-126	4.87	50	WG419082
Hexachloroethane	ppm	0.00821	0.00705	82.0	15-109	15.2	50	WG419082
Indeno(1,2,3-cd)pyrene	ppm	0.0118	0.0117	118.	40-143	0.744	30	WG419082
Isophorone	ppm	0.00955	0.00849	96.0	48-126	11.8	31	WG419082
n-Nitrosodi-n-propylamine	ppm	0.00970	0.00846	97.0	47-122	13.6	33	WG419082
n-Nitrosodimethylamine	ppm	0.00490	0.00449	49.0	11-69	8.59	50	WG419082
n-Nitrosodiphenylamine	ppm	0.00971	0.00906	97.0	59-143	6.91	23	WG419082
Naphthalene	ppm	0.00880	0.00778	88.0	29-103	12.4	45	WG419082
Nitrobenzene	ppm	0.00888	0.00781	89.0	31-105	12.8	43	WG419082
Pentachlorophenol	ppm	0.0106	0.0106	106.	20-122	0.340	50	WG419082
Phenanthrene	ppm	0.00893	0.00819	89.0	54-112	8.65	22	WG419082
Phenol	ppm	0.00355	0.00322	36.0	17-52	9.74	33	WG419082
Pyrene	ppm	0.0105	0.00959	105.	46-130	9.43	28	WG419082
2,4,6-Tribromophenol				101.5	10-148			WG419082
2-Fluorobiphenyl				83.44	26-122			WG419082
2-Fluorophenol				48.42	10-87			WG419082

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Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Nitrobenzene-d5				90.93		12-120		
Phenol-d5				30.22		10-67		
p-Terphenyl-d14				119.6		34-149		

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Mercury	mg/l	0.00306	0.00	.003	102.	70-130	L398935-02	WG418273
1,1,1,2-Tetrachloroethane	mg/l	0.0499	0.00	.05	99.8	45-152	L398973-02	WG418430
1,1,1-Trichloroethane	mg/l	0.0435	0.00	.05	87.0	31-161	L398973-02	WG418430
1,1,2,2-Tetrachloroethane	mg/l	0.0502	0.00	.05	100.	49-149	L398973-02	WG418430
1,1,2-Trichloroethane	mg/l	0.0507	0.00	.05	101.	46-145	L398973-02	WG418430
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0556	0.00	.05	111.	14-168	L398973-02	WG418430
1,1-Dichloroethane	mg/l	0.0405	0.00	.05	81.1	30-159	L398973-02	WG418430
1,1-Dichloroethene	mg/l	0.0492	0.00	.05	98.3	10-162	L398973-02	WG418430
1,1-Dichloropropene	mg/l	0.0427	0.00	.05	85.3	14-162	L398973-02	WG418430
1,2,3-Trichlorobenzene	mg/l	0.0456	0.00	.05	91.1	32-143	L398973-02	WG418430
1,2,3-Trichloropropane	mg/l	0.0535	0.00	.05	107.	48-148	L398973-02	WG418430
1,2,3-Trimethylbenzene	mg/l	0.0688	0.0226	.05	92.5	36-141	L398973-02	WG418430
1,2,4-Trichlorobenzene	mg/l	0.0461	0.00	.05	92.1	27-142	L398973-02	WG418430
1,2,4-Trimethylbenzene	mg/l	0.0746	0.0260	.05	97.1	29-153	L398973-02	WG418430
1,2-Dibromo-3-Chloropropane	mg/l	0.0516	0.00	.05	103.	37-148	L398973-02	WG418430
1,2-Dibromoethane	mg/l	0.0533	0.00	.05	107.	41-149	L398973-02	WG418430
1,2-Dichlorobenzene	mg/l	0.0464	0.00	.05	92.8	40-139	L398973-02	WG418430
1,2-Dichloroethane	mg/l	0.0432	0.00	.05	86.5	29-167	L398973-02	WG418430
1,2-Dichloropropane	mg/l	0.0397	0.00	.05	79.3	39-148	L398973-02	WG418430
1,3,5-Trimethylbenzene	mg/l	0.0631	0.0130	.05	100.	33-149	L398973-02	WG418430
1,3-Dichlorobenzene	mg/l	0.0469	0.00	.05	93.8	32-148	L398973-02	WG418430
1,3-Dichloropropane	mg/l	0.0489	0.00	.05	97.8	44-142	L398973-02	WG418430
1,4-Dichlorobenzene	mg/l	0.0463	0.00	.05	92.6	32-136	L398973-02	WG418430
2,2-Dichloropropane	mg/l	0.0418	0.00	.05	83.7	14-158	L398973-02	WG418430
2-Butanone (MEK)	mg/l	0.243	0.00	.25	97.1	32-151	L398973-02	WG418430
2-Chloroethyl vinyl ether	mg/l	0.00080	0.00	.25	0.322	0-175	L398973-02	WG418430
2-Chlorotoluene	mg/l	0.0493	0.00	.05	98.6	35-147	L398973-02	WG418430
4-Chlorotoluene	mg/l	0.0467	0.00	.05	93.5	33-147	L398973-02	WG418430
4-Methyl-2-pentanone (MIBK)	mg/l	0.235	0.00	.25	94.0	40-160	L398973-02	WG418430
Acetone	mg/l	0.224	0.00	.25	89.4	25-157	L398973-02	WG418430
Acrolein	mg/l	0.205	0.00	.25	81.9	0-179	L398973-02	WG418430
Acrylonitrile	mg/l	0.220	0.00	.25	88.1	37-162	L398973-02	WG418430
Benzene	mg/l	0.0419	0.00180	.05	80.1	16-158	L398973-02	WG418430
Bromobenzene	mg/l	0.0486	0.00	.05	97.2	37-147	L398973-02	WG418430
Bromodichloromethane	mg/l	0.0464	0.00	.05	92.8	45-147	L398973-02	WG418430
Bromoform	mg/l	0.0538	0.00	.05	108.	38-152	L398973-02	WG418430
Bromomethane	mg/l	0.0387	0.00	.05	77.4	0-191	L398973-02	WG418430
Carbon tetrachloride	mg/l	0.0427	0.00	.05	85.3	22-168	L398973-02	WG418430
Chlorobenzene	mg/l	0.0495	0.00	.05	99.0	33-148	L398973-02	WG418430
Chlorodibromomethane	mg/l	0.0532	0.00	.05	106.	48-151	L398973-02	WG418430
Chloroethane	mg/l	0.0386	0.00	.05	77.2	4-176	L398973-02	WG418430
Chloroform	mg/l	0.0425	0.00	.05	84.9	37-147	L398973-02	WG418430
Chloromethane	mg/l	0.0430	0.00	.05	86.1	10-174	L398973-02	WG418430
cis-1,2-Dichloroethene	mg/l	0.0423	0.00	.05	84.6	29-156	L398973-02	WG418430
cis-1,3-Dichloropropene	mg/l	0.0439	0.00	.05	87.9	35-148	L398973-02	WG418430
Di-isopropyl ether	mg/l	0.0417	0.00	.05	83.4	39-160	L398973-02	WG418430
Dibromomethane	mg/l	0.0458	0.00	.05	91.6	36-152	L398973-02	WG418430
Dichlorodifluoromethane	mg/l	0.0497	0.00	.05	99.4	0-200	L398973-02	WG418430
Ethylbenzene	mg/l	0.0526	0.00	.05	105.	29-150	L398973-02	WG418430
Hexachloro-1,3-butadiene	mg/l	0.0442	0.00	.05	88.4	28-144	L398973-02	WG418430

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Tax I.D. 62-0814289

Est. 1970

Withers & Ravenel Eng. - Standard
Chan Bryant
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L398979

April 30, 2009

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Isopropylbenzene	mg/l	0.0556	0.00290	.05	105.	35-147	L398973-02	WG418430
Methyl tert-butyl ether	mg/l	0.0417	0.00	.05	83.4	24-167	L398973-02	WG418430
Methylene Chloride	mg/l	0.0376	0.00	.05	75.3	23-151	L398973-02	WG418430
n-Butylbenzene	mg/l	0.0506	0.00	.05	101.	22-151	L398973-02	WG418430
n-Propylbenzene	mg/l	0.0494	0.00	.05	98.8	26-150	L398973-02	WG418430
Naphthalene	mg/l	0.0850	0.0430	.05	83.9	24-160	L398973-02	WG418430
p-Isopropyltoluene	mg/l	0.0537	0.00110	.05	105.	28-151	L398973-02	WG418430
sec-Butylbenzene	mg/l	0.0505	0.00	.05	101.	32-149	L398973-02	WG418430
Styrene	mg/l	0.0509	0.00	.05	102.	38-149	L398973-02	WG418430
tert-Butylbenzene	mg/l	0.0507	0.00	.05	101.	36-149	L398973-02	WG418430
Tetrachloroethene	mg/l	0.0531	0.00	.05	106.	13-157	L398973-02	WG418430
Toluene	mg/l	0.0438	0.00	.05	87.6	22-152	L398973-02	WG418430
trans-1,2-Dichloroethene	mg/l	0.0433	0.00	.05	86.7	11-160	L398973-02	WG418430
trans-1,3-Dichloropropene	mg/l	0.0451	0.00	.05	90.1	33-153	L398973-02	WG418430
Trichloroethene	mg/l	0.0443	0.00	.05	88.6	18-163	L398973-02	WG418430
Trichlorofluoromethane	mg/l	0.0467	0.00	.05	93.4	10-177	L398973-02	WG418430
Vinyl chloride	mg/l	0.0441	0.00	.05	88.2	0-179	L398973-02	WG418430
4-Bromofluorobenzene					99.02	75-128		WG418430
Dibromofluoromethane					95.61	79-125		WG418430
Toluene-d8					94.47	87-114		WG418430
Chloride	mg/l	53.2	2.50	50	101.	80-120	L398918-04	WG418334
Arsenic	mg/l	1.16	0.00	1.13	103.	75-125	L398979-04	WG418285
Barium	mg/l	1.22	0.0490	1.13	104.	75-125	L398979-04	WG418285
Cadmium	mg/l	1.16	0.00	1.13	103.	75-125	L398979-04	WG418285
Chromium	mg/l	1.07	0.00	1.13	94.7	75-125	L398979-04	WG418285
Lead	mg/l	1.11	0.00	1.13	98.2	75-125	L398979-04	WG418285
Selenium	mg/l	1.19	0.00	1.13	105.	75-125	L398979-04	WG418285
Silver	mg/l	1.10	0.00	1.13	97.3	75-125	L398979-04	WG418285

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Mercury	mg/l	0.0030	0.0030	101.	70-130	0.985	20	L398935-02	WG418273
1,1,1,2-Tetrachloroethane	mg/l	0.0469	0.0499	93.7	45-152	6.24	21	L398973-02	WG418430
1,1,1-Trichloroethane	mg/l	0.0439	0.0435	87.7	31-161	0.865	23	L398973-02	WG418430
1,1,2,2-Tetrachloroethane	mg/l	0.0481	0.0502	96.2	49-149	4.33	22	L398973-02	WG418430
1,1,2-Trichloroethane	mg/l	0.0482	0.0507	96.4	46-145	5.11	20	L398973-02	WG418430
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/l	0.0537	0.0556	107.	14-168	3.40	24	L398973-02	WG418430
1,1-Dichloroethane	mg/l	0.0392	0.0405	78.3	30-159	3.46	21	L398973-02	WG418430
1,1-Dichloroethene	mg/l	0.0422	0.0492	84.4	10-162	15.2	23	L398973-02	WG418430
1,1-Dichloropropene	mg/l	0.0401	0.0427	80.1	14-162	6.27	23	L398973-02	WG418430
1,2,3-Trichlorobenzene	mg/l	0.0471	0.0456	94.3	32-143	3.36	33	L398973-02	WG418430
1,2,3-Trichloropropane	mg/l	0.0512	0.0535	102.	48-148	4.39	23	L398973-02	WG418430
1,2,3-Trimethylbenzene	mg/l	0.0681	0.0688	91.0	36-141	1.05	25	L398973-02	WG418430
1,2,4-Trichlorobenzene	mg/l	0.0470	0.0461	93.9	27-142	1.94	30	L398973-02	WG418430
1,2,4-Trimethylbenzene	mg/l	0.0731	0.0746	94.2	29-153	1.96	27	L398973-02	WG418430
1,2-Dibromo-3-Chloropropane	mg/l	0.0519	0.0516	104.	37-148	0.603	27	L398973-02	WG418430
1,2-Dibromoethane	mg/l	0.0490	0.0533	98.0	41-149	8.46	21	L398973-02	WG418430
1,2-Dichlorobenzene	mg/l	0.0461	0.0464	92.2	40-139	0.643	23	L398973-02	WG418430
1,2-Dichloroethane	mg/l	0.0428	0.0432	85.5	29-167	1.07	21	L398973-02	WG418430
1,2-Dichloropropane	mg/l	0.0408	0.0397	81.6	39-148	2.78	20	L398973-02	WG418430
1,3,5-Trimethylbenzene	mg/l	0.0608	0.0631	95.6	33-149	3.68	26	L398973-02	WG418430
1,3-Dichlorobenzene	mg/l	0.0449	0.0469	89.8	32-148	4.43	24	L398973-02	WG418430

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Est. 1970

Withers & Ravenel Eng. - Standard
Chan Bryant
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L398979

April 30, 2009

Analyte	Units	Matrix Spike MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,3-Dichloropropane	mg/l	0.0479	0.0489	95.9	44-142	2.02	20	L398973-02	WG418430
1,4-Dichlorobenzene	mg/l	0.0450	0.0463	90.1	32-136	2.78	23	L398973-02	WG418430
2,2-Dichloropropane	mg/l	0.0423	0.0418	84.5	14-158	0.974	23	L398973-02	WG418430
2-Butanone (MEK)	mg/l	0.223	0.243	89.1	32-151	8.61	26	L398973-02	WG418430
2-Chloroethyl vinyl ether	mg/l	0.0043	0.0008	1.74	0-175	138.*	75	L398973-02	WG418430
2-Chlorotoluene	mg/l	0.0476	0.0493	95.2	35-147	3.52	24	L398973-02	WG418430
4-Chlorotoluene	mg/l	0.0444	0.0467	88.8	33-147	5.16	25	L398973-02	WG418430
4-Methyl-2-pentanone (MIBK)	mg/l	0.227	0.235	90.9	40-160	3.37	28	L398973-02	WG418430
Acetone	mg/l	0.204	0.224	81.4	25-157	9.37	26	L398973-02	WG418430
Acrolein	mg/l	0.171	0.205	68.4	0-179	18.0	39	L398973-02	WG418430
Acrylonitrile	mg/l	0.207	0.220	82.9	37-162	6.09	24	L398973-02	WG418430
Benzene	mg/l	0.0400	0.0419	76.4	16-158	4.53	21	L398973-02	WG418430
Bromobenzene	mg/l	0.0450	0.0486	90.1	37-147	7.63	23	L398973-02	WG418430
Bromodichloromethane	mg/l	0.0451	0.0464	90.2	45-147	2.86	20	L398973-02	WG418430
Bromoform	mg/l	0.0515	0.0538	103.	38-152	4.50	20	L398973-02	WG418430
Bromomethane	mg/l	0.0373	0.0387	74.6	0-191	3.63	35	L398973-02	WG418430
Carbon tetrachloride	mg/l	0.0416	0.0427	83.2	22-168	2.56	24	L398973-02	WG418430
Chlorobenzene	mg/l	0.0460	0.0495	92.0	33-148	7.28	22	L398973-02	WG418430
Chlorodibromomethane	mg/l	0.0501	0.0532	100.	48-151	5.96	21	L398973-02	WG418430
Chloroethane	mg/l	0.0397	0.0386	79.4	4-176	2.71	27	L398973-02	WG418430
Chloroform	mg/l	0.0412	0.0425	82.4	37-147	2.98	21	L398973-02	WG418430
Chloromethane	mg/l	0.0364	0.0430	72.7	10-174	16.8	28	L398973-02	WG418430
cis-1,2-Dichloroethene	mg/l	0.0403	0.0423	80.7	29-156	4.73	22	L398973-02	WG418430
cis-1,3-Dichloropropene	mg/l	0.0423	0.0439	84.6	35-148	3.80	21	L398973-02	WG418430
Di-isopropyl ether	mg/l	0.0406	0.0417	81.2	39-160	2.58	21	L398973-02	WG418430
Dibromomethane	mg/l	0.0434	0.0458	86.7	36-152	5.47	20	L398973-02	WG418430
Dichlorodifluoromethane	mg/l	0.0449	0.0497	89.8	0-200	10.1	26	L398973-02	WG418430
Ethylbenzene	mg/l	0.0487	0.0526	97.5	29-150	7.71	24	L398973-02	WG418430
Hexachloro-1,3-butadiene	mg/l	0.0447	0.0442	89.4	28-144	1.12	33	L398973-02	WG418430
Isopropylbenzene	mg/l	0.0506	0.0556	95.4	35-147	9.40	25	L398973-02	WG418430
Methyl tert-butyl ether	mg/l	0.0418	0.0417	83.7	24-167	0.386	22	L398973-02	WG418430
Methylene Chloride	mg/l	0.0358	0.0376	71.7	23-151	4.89	21	L398973-02	WG418430
n-Butylbenzene	mg/l	0.0500	0.0506	100.	22-151	1.07	29	L398973-02	WG418430
n-Propylbenzene	mg/l	0.0470	0.0494	94.0	26-150	4.96	25	L398973-02	WG418430
Naphthalene	mg/l	0.0896	0.0850	93.2	24-160	5.32	37	L398973-02	WG418430
p-Isopropyltoluene	mg/l	0.0509	0.0537	99.5	28-151	5.39	27	L398973-02	WG418430
sec-Butylbenzene	mg/l	0.0470	0.0505	94.1	32-149	7.05	26	L398973-02	WG418430
Styrene	mg/l	0.0482	0.0509	96.4	38-149	5.42	23	L398973-02	WG418430
tert-Butylbenzene	mg/l	0.0469	0.0507	93.7	36-149	7.80	26	L398973-02	WG418430
Tetrachloroethene	mg/l	0.0481	0.0531	96.1	13-157	9.95	24	L398973-02	WG418430
Toluene	mg/l	0.0416	0.0438	83.3	22-152	5.06	22	L398973-02	WG418430
trans-1,2-Dichloroethene	mg/l	0.0410	0.0433	82.1	11-160	5.49	23	L398973-02	WG418430
trans-1,3-Dichloropropene	mg/l	0.0442	0.0451	88.4	33-153	1.93	22	L398973-02	WG418430
Trichloroethene	mg/l	0.0420	0.0443	84.0	18-163	5.38	21	L398973-02	WG418430
Trichlorofluoromethane	mg/l	0.0435	0.0467	87.0	10-177	7.13	24	L398973-02	WG418430
Vinyl chloride	mg/l	0.0386	0.0441	77.1	0-179	13.4	26	L398973-02	WG418430
4-Bromofluorobenzene				97.81	75-128				WG418430
Dibromofluoromethane				95.50	79-125				WG418430
Toluene-d8				93.45	87-114				WG418430
Chloride	mg/l	51.9	53.2	98.8	80-120	2.47	20	L398918-04	WG418334
Arsenic	mg/l	1.19	1.16	105.	75-125	2.55	20	L398979-04	WG418285
Barium	mg/l	1.23	1.22	105.	75-125	0.816	20	L398979-04	WG418285
Cadmium	mg/l	1.18	1.16	104.	75-125	1.71	20	L398979-04	WG418285
Chromium	mg/l	1.08	1.07	95.6	75-125	0.930	20	L398979-04	WG418285
Lead	mg/l	1.13	1.11	100.	75-125	1.79	20	L398979-04	WG418285

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Quality Assurance Report
Level II

L398979

April 30, 2009

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Selenium	mg/l	1.22	1.19	108.	75-125	2.49	20	L398979-04	WG418285
Silver	mg/l	1.12	1.10	99.1	75-125	1.80	20	L398979-04	WG418285

Batch number /Run number / Sample number cross reference

WG418273: R717048: L398979-01 02 03 04
WG418334: R717248: L398979-01 02 03 04
WG418430: R717249: L398979-01 02 03 04
WG418285: R717768: L398979-01 02 03 04
WG418713: R718796: L398979-01 04
WG418350: R718932: L398979-01 02
WG418352: R719907: L398979-03 04
WG419082: R720247: L398979-02

* * Calculations are performed prior to rounding of reported values .
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Withers & Ravenel Eng. - Standard
Chan Bryant
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L398979

April 30, 2009

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Withers & Ravenel Eng.
111 MacKenan Drive
Cary, NC 27511

Alternate billing information:
(Circle One)
WITHRAV - State Lead
WITHRAVR - Trustfund
WITHRAVD - DSCA
WITHRAVS - Standard

Report to: Chan Bryant
Email to: cbryant@withersravenel.com

Project Description: Hanesbrands Ph II
City/Sate Collected: Winston-Salem
Phone: 919-469-3340
FAX: 919-467-6008
Client Project #: 02090145
ESC Key:
Collected by: TJ Murray
Site/Facility ID#:
P.O.#:
Collected by (signature):
Packed on Ice N Y

Rush? (Lab MUST Be Notified)
____ Same Day.....200%
____ Next Day.....100%
____ Two Day.....50%

Date Results Needed: 4/29/09
Email? __No __Yes
FAX? __No __Yes

Analysis/Container/Preservative

Chain of Custody
Page ___ of ___

Prepared by:
ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859
E218

CoCode (lab use only)
Template/Prelogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	VOCs	RCRA Metals	Chlorides	TSS	SVOCs			Remarks/Contaminant	Sample # (lab only)
W7	—	GW	—	4/22/09	1020	7	X	X	X	X	X				L3984901
W3	—		—		1115	7	X	X	X	X	X				L3989792
W8	—		—		1205	5	X	X	X	X					03
W2	—		—		1330	7	X	X	X	X	X				04

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Relinquished by: (Signature)	Date: 4/22/09	Time: 1633	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐	Condition: (lab use only)
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.4 / Bottles Received: 26	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4-23-09 / Time: 0745	pH Checked: <2 / NCF:

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Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive

Cary, NC 27511

Report Summary

Thursday April 23, 2009

Report Number: L398728
Samples Received: 04/22/09
Client Project: 02090143

Description: Hanesbrands Ph. 2

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140
NJ - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 23,2009

ESC Sample # : L398728-01

Date Received : April 22, 2009
Description : Hanesbrands Ph. 2

Site ID :

Sample ID : W5

Project # : 02090143

Collected By : TJ Murray
Collection Date : 04/20/09 14:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	48000	1000	ug/l	9056	04/22/09	1
Suspended Solids	170000	1000	ug/l	2540D	04/22/09	1
Mercury	BDL	0.20	ug/l	7470A	04/22/09	1
Arsenic	BDL	20.	ug/l	6010B	04/23/09	1
Barium	310	5.0	ug/l	6010B	04/23/09	1
Cadmium	BDL	5.0	ug/l	6010B	04/23/09	1
Chromium	BDL	10.	ug/l	6010B	04/23/09	1
Lead	BDL	5.0	ug/l	6010B	04/23/09	1
Selenium	BDL	20.	ug/l	6010B	04/23/09	1
Silver	BDL	10.	ug/l	6010B	04/23/09	1
Volatile Organics						
Acetone	BDL	50.	ug/l	6200B	04/22/09	1
Acrolein	BDL	50.	ug/l	6200B	04/22/09	1
Acrylonitrile	BDL	10.	ug/l	6200B	04/22/09	1
Benzene	BDL	1.0	ug/l	6200B	04/22/09	1
Bromobenzene	BDL	1.0	ug/l	6200B	04/22/09	1
Bromodichloromethane	BDL	1.0	ug/l	6200B	04/22/09	1
Bromoform	BDL	1.0	ug/l	6200B	04/22/09	1
Bromomethane	BDL	5.0	ug/l	6200B	04/22/09	1
n-Butylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
sec-Butylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
tert-Butylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
Carbon tetrachloride	BDL	1.0	ug/l	6200B	04/22/09	1
Chlorobenzene	BDL	1.0	ug/l	6200B	04/22/09	1
Chlorodibromomethane	BDL	1.0	ug/l	6200B	04/22/09	1
Chloroethane	BDL	5.0	ug/l	6200B	04/22/09	1
Chloroform	BDL	5.0	ug/l	6200B	04/22/09	1
Chloromethane	BDL	2.5	ug/l	6200B	04/22/09	1
2-Chlorotoluene	BDL	1.0	ug/l	6200B	04/22/09	1
4-Chlorotoluene	BDL	1.0	ug/l	6200B	04/22/09	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	6200B	04/22/09	1
1,2-Dibromoethane	BDL	1.0	ug/l	6200B	04/22/09	1
Dibromomethane	BDL	1.0	ug/l	6200B	04/22/09	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/22/09	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/22/09	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/22/09	1
Dichlorodifluoromethane	BDL	5.0	ug/l	6200B	04/22/09	1
1,1-Dichloroethane	BDL	1.0	ug/l	6200B	04/22/09	1
1,2-Dichloroethane	BDL	1.0	ug/l	6200B	04/22/09	1
1,1-Dichloroethene	BDL	1.0	ug/l	6200B	04/22/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 23,2009

ESC Sample # : L398728-01

Date Received : April 22, 2009
Description : Hanesbrands Ph. 2

Site ID :

Sample ID : W5

Project # : 02090143

Collected By : TJ Murray
Collection Date : 04/20/09 14:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
cis-1,2-Dichloroethene	BDL	1.0	ug/l	6200B	04/22/09	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	6200B	04/22/09	1
1,2-Dichloropropane	BDL	1.0	ug/l	6200B	04/22/09	1
1,1-Dichloropropene	BDL	1.0	ug/l	6200B	04/22/09	1
1,3-Dichloropropane	BDL	1.0	ug/l	6200B	04/22/09	1
2,2-Dichloropropane	BDL	1.0	ug/l	6200B	04/22/09	1
Di-isopropyl ether	BDL	1.0	ug/l	6200B	04/22/09	1
Ethylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	6200B	04/22/09	1
Isopropylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
p-Isopropyltoluene	BDL	1.0	ug/l	6200B	04/22/09	1
2-Butanone (MEK)	BDL	10.	ug/l	6200B	04/22/09	1
Methylene Chloride	BDL	5.0	ug/l	6200B	04/22/09	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	6200B	04/22/09	1
Methyl tert-butyl ether	BDL	1.0	ug/l	6200B	04/22/09	1
Naphthalene	BDL	5.0	ug/l	6200B	04/22/09	1
n-Propylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
Styrene	BDL	1.0	ug/l	6200B	04/22/09	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	6200B	04/22/09	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	6200B	04/22/09	1
Tetrachloroethene	BDL	1.0	ug/l	6200B	04/22/09	1
Toluene	BDL	5.0	ug/l	6200B	04/22/09	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	6200B	04/22/09	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	6200B	04/22/09	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	6200B	04/22/09	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	6200B	04/22/09	1
Trichloroethene	BDL	1.0	ug/l	6200B	04/22/09	1
Trichlorofluoromethane	BDL	5.0	ug/l	6200B	04/22/09	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	6200B	04/22/09	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
Vinyl chloride	BDL	1.0	ug/l	6200B	04/22/09	1
o-Xylene	BDL	1.0	ug/l	6200B	04/22/09	1
m&p-Xylenes	BDL	2.0	ug/l	6200B	04/22/09	1
Surrogate Recovery						
Toluene-d8	99.4		% Rec.	6200B	04/22/09	1
Dibromofluoromethane	91.7		% Rec.	6200B	04/22/09	1
a,a,a-Trifluorotoluene	101.		% Rec.	6200B	04/22/09	1
4-Bromofluorobenzene	101.		% Rec.	6200B	04/22/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 23,2009

ESC Sample # : L398728-02

Date Received : April 22, 2009
Description : Hanesbrands Ph. 2

Site ID :

Sample ID : W6

Project # : 02090143

Collected By : TJ Murray
Collection Date : 04/20/09 15:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	110000	1000	ug/l	9056	04/22/09	1
Suspended Solids	180000	1000	ug/l	2540D	04/22/09	1
Mercury	BDL	0.20	ug/l	7470A	04/22/09	1
Arsenic	BDL	20.	ug/l	6010B	04/23/09	1
Barium	1200	5.0	ug/l	6010B	04/23/09	1
Cadmium	BDL	5.0	ug/l	6010B	04/23/09	1
Chromium	BDL	10.	ug/l	6010B	04/23/09	1
Lead	BDL	5.0	ug/l	6010B	04/23/09	1
Selenium	BDL	20.	ug/l	6010B	04/23/09	1
Silver	BDL	10.	ug/l	6010B	04/23/09	1
Volatile Organics						
Acetone	BDL	50.	ug/l	6200B	04/22/09	1
Acrolein	BDL	50.	ug/l	6200B	04/22/09	1
Acrylonitrile	BDL	10.	ug/l	6200B	04/22/09	1
Benzene	BDL	1.0	ug/l	6200B	04/22/09	1
Bromobenzene	BDL	1.0	ug/l	6200B	04/22/09	1
Bromodichloromethane	BDL	1.0	ug/l	6200B	04/22/09	1
Bromoform	BDL	1.0	ug/l	6200B	04/22/09	1
Bromomethane	BDL	5.0	ug/l	6200B	04/22/09	1
n-Butylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
sec-Butylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
tert-Butylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
Carbon tetrachloride	BDL	1.0	ug/l	6200B	04/22/09	1
Chlorobenzene	BDL	1.0	ug/l	6200B	04/22/09	1
Chlorodibromomethane	BDL	1.0	ug/l	6200B	04/22/09	1
Chloroethane	BDL	5.0	ug/l	6200B	04/22/09	1
Chloroform	BDL	5.0	ug/l	6200B	04/22/09	1
Chloromethane	BDL	2.5	ug/l	6200B	04/22/09	1
2-Chlorotoluene	BDL	1.0	ug/l	6200B	04/22/09	1
4-Chlorotoluene	BDL	1.0	ug/l	6200B	04/22/09	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	6200B	04/22/09	1
1,2-Dibromoethane	BDL	1.0	ug/l	6200B	04/22/09	1
Dibromomethane	BDL	1.0	ug/l	6200B	04/22/09	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/22/09	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/22/09	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/22/09	1
Dichlorodifluoromethane	BDL	5.0	ug/l	6200B	04/22/09	1
1,1-Dichloroethane	BDL	1.0	ug/l	6200B	04/22/09	1
1,2-Dichloroethane	BDL	1.0	ug/l	6200B	04/22/09	1
1,1-Dichloroethene	BDL	1.0	ug/l	6200B	04/22/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 23,2009

ESC Sample # : L398728-02

Date Received : April 22, 2009
Description : Hanesbrands Ph. 2

Site ID :

Sample ID : W6

Project # : 02090143

Collected By : TJ Murray
Collection Date : 04/20/09 15:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
cis-1,2-Dichloroethene	BDL	1.0	ug/l	6200B	04/22/09	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	6200B	04/22/09	1
1,2-Dichloropropane	BDL	1.0	ug/l	6200B	04/22/09	1
1,1-Dichloropropene	BDL	1.0	ug/l	6200B	04/22/09	1
1,3-Dichloropropane	BDL	1.0	ug/l	6200B	04/22/09	1
2,2-Dichloropropane	BDL	1.0	ug/l	6200B	04/22/09	1
Di-isopropyl ether	BDL	1.0	ug/l	6200B	04/22/09	1
Ethylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	6200B	04/22/09	1
Isopropylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
p-Isopropyltoluene	BDL	1.0	ug/l	6200B	04/22/09	1
2-Butanone (MEK)	BDL	10.	ug/l	6200B	04/22/09	1
Methylene Chloride	BDL	5.0	ug/l	6200B	04/22/09	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	6200B	04/22/09	1
Methyl tert-butyl ether	BDL	1.0	ug/l	6200B	04/22/09	1
Naphthalene	BDL	5.0	ug/l	6200B	04/22/09	1
n-Propylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
Styrene	BDL	1.0	ug/l	6200B	04/22/09	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	6200B	04/22/09	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	6200B	04/22/09	1
Tetrachloroethene	BDL	1.0	ug/l	6200B	04/22/09	1
Toluene	BDL	5.0	ug/l	6200B	04/22/09	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	6200B	04/22/09	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	6200B	04/22/09	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	6200B	04/22/09	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	6200B	04/22/09	1
Trichloroethene	BDL	1.0	ug/l	6200B	04/22/09	1
Trichlorofluoromethane	BDL	5.0	ug/l	6200B	04/22/09	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	6200B	04/22/09	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
Vinyl chloride	BDL	1.0	ug/l	6200B	04/22/09	1
o-Xylene	BDL	1.0	ug/l	6200B	04/22/09	1
m&p-Xylenes	BDL	2.0	ug/l	6200B	04/22/09	1
Surrogate Recovery						
Toluene-d8	99.0		% Rec.	6200B	04/22/09	1
Dibromofluoromethane	91.2		% Rec.	6200B	04/22/09	1
a,a,a-Trifluorotoluene	100.		% Rec.	6200B	04/22/09	1
4-Bromofluorobenzene	103.		% Rec.	6200B	04/22/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 23,2009

ESC Sample # : L398728-03

Date Received : April 22, 2009
Description : Hanesbrands Ph. 2

Site ID :

Sample ID : W9

Project # : 02090143

Collected By : TJ Murray
Collection Date : 04/20/09 15:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	45000	1000	ug/l	9056	04/22/09	1
Suspended Solids	87000	1000	ug/l	2540D	04/22/09	1
Mercury	BDL	0.20	ug/l	7470A	04/22/09	1
Arsenic	BDL	20.	ug/l	6010B	04/23/09	1
Barium	220	5.0	ug/l	6010B	04/23/09	1
Cadmium	BDL	5.0	ug/l	6010B	04/23/09	1
Chromium	BDL	10.	ug/l	6010B	04/23/09	1
Lead	BDL	5.0	ug/l	6010B	04/23/09	1
Selenium	BDL	20.	ug/l	6010B	04/23/09	1
Silver	BDL	10.	ug/l	6010B	04/23/09	1
Volatile Organics						
Acetone	BDL	50.	ug/l	6200B	04/22/09	1
Acrolein	BDL	50.	ug/l	6200B	04/22/09	1
Acrylonitrile	BDL	10.	ug/l	6200B	04/22/09	1
Benzene	BDL	1.0	ug/l	6200B	04/22/09	1
Bromobenzene	BDL	1.0	ug/l	6200B	04/22/09	1
Bromodichloromethane	BDL	1.0	ug/l	6200B	04/22/09	1
Bromoform	BDL	1.0	ug/l	6200B	04/22/09	1
Bromomethane	BDL	5.0	ug/l	6200B	04/22/09	1
n-Butylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
sec-Butylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
tert-Butylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
Carbon tetrachloride	BDL	1.0	ug/l	6200B	04/22/09	1
Chlorobenzene	BDL	1.0	ug/l	6200B	04/22/09	1
Chlorodibromomethane	BDL	1.0	ug/l	6200B	04/22/09	1
Chloroethane	BDL	5.0	ug/l	6200B	04/22/09	1
Chloroform	BDL	5.0	ug/l	6200B	04/22/09	1
Chloromethane	BDL	2.5	ug/l	6200B	04/22/09	1
2-Chlorotoluene	BDL	1.0	ug/l	6200B	04/22/09	1
4-Chlorotoluene	BDL	1.0	ug/l	6200B	04/22/09	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	6200B	04/22/09	1
1,2-Dibromoethane	BDL	1.0	ug/l	6200B	04/22/09	1
Dibromomethane	BDL	1.0	ug/l	6200B	04/22/09	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/22/09	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/22/09	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/22/09	1
Dichlorodifluoromethane	BDL	5.0	ug/l	6200B	04/22/09	1
1,1-Dichloroethane	BDL	1.0	ug/l	6200B	04/22/09	1
1,2-Dichloroethane	BDL	1.0	ug/l	6200B	04/22/09	1
1,1-Dichloroethene	BDL	1.0	ug/l	6200B	04/22/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 23,2009

ESC Sample # : L398728-03

Date Received : April 22, 2009
Description : Hanesbrands Ph. 2

Site ID :

Sample ID : W9

Project # : 02090143

Collected By : TJ Murray
Collection Date : 04/20/09 15:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
cis-1,2-Dichloroethene	BDL	1.0	ug/l	6200B	04/22/09	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	6200B	04/22/09	1
1,2-Dichloropropane	BDL	1.0	ug/l	6200B	04/22/09	1
1,1-Dichloropropene	BDL	1.0	ug/l	6200B	04/22/09	1
1,3-Dichloropropane	BDL	1.0	ug/l	6200B	04/22/09	1
2,2-Dichloropropane	BDL	1.0	ug/l	6200B	04/22/09	1
Di-isopropyl ether	BDL	1.0	ug/l	6200B	04/22/09	1
Ethylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	6200B	04/22/09	1
Isopropylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
p-Isopropyltoluene	BDL	1.0	ug/l	6200B	04/22/09	1
2-Butanone (MEK)	BDL	10.	ug/l	6200B	04/22/09	1
Methylene Chloride	BDL	5.0	ug/l	6200B	04/22/09	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	6200B	04/22/09	1
Methyl tert-butyl ether	BDL	1.0	ug/l	6200B	04/22/09	1
Naphthalene	BDL	5.0	ug/l	6200B	04/22/09	1
n-Propylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
Styrene	BDL	1.0	ug/l	6200B	04/22/09	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	6200B	04/22/09	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	6200B	04/22/09	1
Tetrachloroethene	5.0	1.0	ug/l	6200B	04/22/09	1
Toluene	BDL	5.0	ug/l	6200B	04/22/09	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	6200B	04/22/09	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	6200B	04/22/09	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	6200B	04/22/09	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	6200B	04/22/09	1
Trichloroethene	BDL	1.0	ug/l	6200B	04/22/09	1
Trichlorofluoromethane	BDL	5.0	ug/l	6200B	04/22/09	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	6200B	04/22/09	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	6200B	04/22/09	1
Vinyl chloride	BDL	1.0	ug/l	6200B	04/22/09	1
o-Xylene	BDL	1.0	ug/l	6200B	04/22/09	1
m&p-Xylenes	BDL	2.0	ug/l	6200B	04/22/09	1
Surrogate Recovery						
Toluene-d8	98.5		% Rec.	6200B	04/22/09	1
Dibromofluoromethane	91.8		% Rec.	6200B	04/22/09	1
a,a,a-Trifluorotoluene	99.5		% Rec.	6200B	04/22/09	1
4-Bromofluorobenzene	99.1		% Rec.	6200B	04/22/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 23,2009

ESC Sample # : L398728-04

Date Received : April 22, 2009
Description : Hanesbrands Ph. 2

Site ID :

Sample ID : W10

Project # : 02090143

Collected By : TJ Murray
Collection Date : 04/20/09 15:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	31000	1000	ug/l	9056	04/22/09	1
Suspended Solids	36000	1000	ug/l	2540D	04/22/09	1
Mercury	BDL	0.20	ug/l	7470A	04/22/09	1
Arsenic	BDL	20.	ug/l	6010B	04/23/09	1
Barium	120	5.0	ug/l	6010B	04/23/09	1
Cadmium	BDL	5.0	ug/l	6010B	04/23/09	1
Chromium	BDL	10.	ug/l	6010B	04/23/09	1
Lead	BDL	5.0	ug/l	6010B	04/23/09	1
Selenium	BDL	20.	ug/l	6010B	04/23/09	1
Silver	BDL	10.	ug/l	6010B	04/23/09	1
Volatile Organics						
Acetone	BDL	50.	ug/l	6200B	04/23/09	1
Acrolein	BDL	50.	ug/l	6200B	04/23/09	1
Acrylonitrile	BDL	10.	ug/l	6200B	04/23/09	1
Benzene	BDL	1.0	ug/l	6200B	04/23/09	1
Bromobenzene	BDL	1.0	ug/l	6200B	04/23/09	1
Bromodichloromethane	BDL	1.0	ug/l	6200B	04/23/09	1
Bromoform	BDL	1.0	ug/l	6200B	04/23/09	1
Bromomethane	BDL	5.0	ug/l	6200B	04/23/09	1
n-Butylbenzene	BDL	1.0	ug/l	6200B	04/23/09	1
sec-Butylbenzene	BDL	1.0	ug/l	6200B	04/23/09	1
tert-Butylbenzene	BDL	1.0	ug/l	6200B	04/23/09	1
Carbon tetrachloride	BDL	1.0	ug/l	6200B	04/23/09	1
Chlorobenzene	BDL	1.0	ug/l	6200B	04/23/09	1
Chlorodibromomethane	BDL	1.0	ug/l	6200B	04/23/09	1
Chloroethane	BDL	5.0	ug/l	6200B	04/23/09	1
Chloroform	BDL	5.0	ug/l	6200B	04/23/09	1
Chloromethane	BDL	2.5	ug/l	6200B	04/23/09	1
2-Chlorotoluene	BDL	1.0	ug/l	6200B	04/23/09	1
4-Chlorotoluene	BDL	1.0	ug/l	6200B	04/23/09	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	6200B	04/23/09	1
1,2-Dibromoethane	BDL	1.0	ug/l	6200B	04/23/09	1
Dibromomethane	BDL	1.0	ug/l	6200B	04/23/09	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/23/09	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/23/09	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/23/09	1
Dichlorodifluoromethane	BDL	5.0	ug/l	6200B	04/23/09	1
1,1-Dichloroethane	BDL	1.0	ug/l	6200B	04/23/09	1
1,2-Dichloroethane	BDL	1.0	ug/l	6200B	04/23/09	1
1,1-Dichloroethene	BDL	1.0	ug/l	6200B	04/23/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 23,2009

ESC Sample # : L398728-04

Date Received : April 22, 2009
Description : Hanesbrands Ph. 2

Site ID :

Sample ID : W10

Project # : 02090143

Collected By : TJ Murray
Collection Date : 04/20/09 15:20

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
cis-1,2-Dichloroethene	BDL	1.0	ug/l	6200B	04/23/09	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	6200B	04/23/09	1
1,2-Dichloropropane	BDL	1.0	ug/l	6200B	04/23/09	1
1,1-Dichloropropene	BDL	1.0	ug/l	6200B	04/23/09	1
1,3-Dichloropropane	BDL	1.0	ug/l	6200B	04/23/09	1
2,2-Dichloropropane	BDL	1.0	ug/l	6200B	04/23/09	1
Di-isopropyl ether	BDL	1.0	ug/l	6200B	04/23/09	1
Ethylbenzene	BDL	1.0	ug/l	6200B	04/23/09	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	6200B	04/23/09	1
Isopropylbenzene	BDL	1.0	ug/l	6200B	04/23/09	1
p-Isopropyltoluene	BDL	1.0	ug/l	6200B	04/23/09	1
2-Butanone (MEK)	BDL	10.	ug/l	6200B	04/23/09	1
Methylene Chloride	BDL	5.0	ug/l	6200B	04/23/09	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	6200B	04/23/09	1
Methyl tert-butyl ether	BDL	1.0	ug/l	6200B	04/23/09	1
Naphthalene	BDL	5.0	ug/l	6200B	04/23/09	1
n-Propylbenzene	BDL	1.0	ug/l	6200B	04/23/09	1
Styrene	BDL	1.0	ug/l	6200B	04/23/09	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	6200B	04/23/09	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	6200B	04/23/09	1
Tetrachloroethene	BDL	1.0	ug/l	6200B	04/23/09	1
Toluene	BDL	5.0	ug/l	6200B	04/23/09	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	6200B	04/23/09	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	6200B	04/23/09	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	6200B	04/23/09	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	6200B	04/23/09	1
Trichloroethene	BDL	1.0	ug/l	6200B	04/23/09	1
Trichlorofluoromethane	BDL	5.0	ug/l	6200B	04/23/09	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	6200B	04/23/09	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	6200B	04/23/09	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	6200B	04/23/09	1
Vinyl chloride	BDL	1.0	ug/l	6200B	04/23/09	1
o-Xylene	BDL	1.0	ug/l	6200B	04/23/09	1
m&p-Xylenes	BDL	2.0	ug/l	6200B	04/23/09	1
Surrogate Recovery						
Toluene-d8	99.8		% Rec.	6200B	04/23/09	1
Dibromofluoromethane	94.7		% Rec.	6200B	04/23/09	1
a,a,a-Trifluorotoluene	106.		% Rec.	6200B	04/23/09	1
4-Bromofluorobenzene	107.		% Rec.	6200B	04/23/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L398728-04	WG418194	SAMP	n-Butylbenzene	R716453	J3
	WG418194	SAMP	sec-Butylbenzene	R716453	J3
	WG418194	SAMP	Hexachloro-1,3-butadiene	R716453	J3
	WG418194	SAMP	p-Isopropyltoluene	R716453	J3

Qualifier	Meaning
J3	The associated batch QC was outside the established quality control range for precision.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
04/23/09 at 14:38:17

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L398728-01 Account: WITHRAVS Received: 04/22/09 07:45 Due Date: 04/27/09 00:00 RPT Date: 04/23/09 14:37

Sample: L398728-02 Account: WITHRAVS Received: 04/22/09 07:45 Due Date: 04/27/09 00:00 RPT Date: 04/23/09 14:37

Sample: L398728-03 Account: WITHRAVS Received: 04/22/09 07:45 Due Date: 04/27/09 00:00 RPT Date: 04/23/09 14:37

Sample: L398728-04 Account: WITHRAVS Received: 04/22/09 07:45 Due Date: 04/27/09 00:00 RPT Date: 04/23/09 14:37

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Withers & Ravenel Eng. - Standard
Chan Bryant
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L398728

April 23, 2009

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Mercury	< .0002	mg/l			WG418074	04/22/09 21:36
Chloride	< 1	mg/l			WG418066	04/22/09 11:46
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG418027	04/22/09 14:56
1,1,1-Trichloroethane	< .001	mg/l			WG418027	04/22/09 14:56
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG418027	04/22/09 14:56
1,1,2-Trichloroethane	< .001	mg/l			WG418027	04/22/09 14:56
1,1-Dichloroethane	< .001	mg/l			WG418027	04/22/09 14:56
1,1-Dichloroethene	< .001	mg/l			WG418027	04/22/09 14:56
1,1-Dichloropropene	< .001	mg/l			WG418027	04/22/09 14:56
1,2,3-Trichlorobenzene	< .001	mg/l			WG418027	04/22/09 14:56
1,2,3-Trichloropropane	< .001	mg/l			WG418027	04/22/09 14:56
1,2,4-Trichlorobenzene	< .001	mg/l			WG418027	04/22/09 14:56
1,2,4-Trimethylbenzene	< .001	mg/l			WG418027	04/22/09 14:56
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG418027	04/22/09 14:56
1,2-Dibromoethane	< .001	mg/l			WG418027	04/22/09 14:56
1,2-Dichlorobenzene	< .001	mg/l			WG418027	04/22/09 14:56
1,2-Dichloroethane	< .001	mg/l			WG418027	04/22/09 14:56
1,2-Dichloropropane	< .001	mg/l			WG418027	04/22/09 14:56
1,3,5-Trimethylbenzene	< .001	mg/l			WG418027	04/22/09 14:56
1,3-Dichlorobenzene	< .001	mg/l			WG418027	04/22/09 14:56
1,3-Dichloropropane	< .001	mg/l			WG418027	04/22/09 14:56
1,4-Dichlorobenzene	< .001	mg/l			WG418027	04/22/09 14:56
2,2-Dichloropropane	< .001	mg/l			WG418027	04/22/09 14:56
2-Butanone (MEK)	< .01	mg/l			WG418027	04/22/09 14:56
2-Chlorotoluene	< .001	mg/l			WG418027	04/22/09 14:56
4-Chlorotoluene	< .001	mg/l			WG418027	04/22/09 14:56
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG418027	04/22/09 14:56
Acetone	< .05	mg/l			WG418027	04/22/09 14:56
Acrolein	< .05	mg/l			WG418027	04/22/09 14:56
Acrylonitrile	< .01	mg/l			WG418027	04/22/09 14:56
Benzene	< .001	mg/l			WG418027	04/22/09 14:56
Bromobenzene	< .001	mg/l			WG418027	04/22/09 14:56
Bromodichloromethane	< .001	mg/l			WG418027	04/22/09 14:56
Bromoform	< .001	mg/l			WG418027	04/22/09 14:56
Bromomethane	< .005	mg/l			WG418027	04/22/09 14:56
Carbon tetrachloride	< .001	mg/l			WG418027	04/22/09 14:56
Chlorobenzene	< .001	mg/l			WG418027	04/22/09 14:56
Chlorodibromomethane	< .001	mg/l			WG418027	04/22/09 14:56
Chloroethane	< .001	mg/l			WG418027	04/22/09 14:56
Chloroform	< .005	mg/l			WG418027	04/22/09 14:56
Chloromethane	< .001	mg/l			WG418027	04/22/09 14:56
cis-1,2-Dichloroethene	< .001	mg/l			WG418027	04/22/09 14:56
Di-isopropyl ether	< .001	mg/l			WG418027	04/22/09 14:56
Dibromomethane	< .001	mg/l			WG418027	04/22/09 14:56
Dichlorodifluoromethane	< .005	mg/l			WG418027	04/22/09 14:56
Ethylbenzene	< .001	mg/l			WG418027	04/22/09 14:56
Hexachloro-1,3-butadiene	< .001	mg/l			WG418027	04/22/09 14:56
Isopropylbenzene	< .001	mg/l			WG418027	04/22/09 14:56
m&p-Xylenes	< .002	mg/l			WG418027	04/22/09 14:56
Methyl tert-butyl ether	< .001	mg/l			WG418027	04/22/09 14:56
Methylene Chloride	< .005	mg/l			WG418027	04/22/09 14:56
n-Butylbenzene	< .001	mg/l			WG418027	04/22/09 14:56
n-Propylbenzene	< .001	mg/l			WG418027	04/22/09 14:56
Naphthalene	< .005	mg/l			WG418027	04/22/09 14:56
o-Xylene	< .001	mg/l			WG418027	04/22/09 14:56

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ENVIRONMENTAL SCIENCE CORP.

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Tax I.D. 62-0814289

Est. 1970

Withers & Ravenel Eng. - Standard
Chan Bryant
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L398728

April 23, 2009

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
p-Isopropyltoluene	< .001	mg/l			WG418027	04/22/09 14:56
sec-Butylbenzene	< .001	mg/l			WG418027	04/22/09 14:56
Styrene	< .001	mg/l			WG418027	04/22/09 14:56
tert-Butylbenzene	< .001	mg/l			WG418027	04/22/09 14:56
Tetrachloroethene	< .001	mg/l			WG418027	04/22/09 14:56
Toluene	< .005	mg/l			WG418027	04/22/09 14:56
trans-1,2-Dichloroethene	< .001	mg/l			WG418027	04/22/09 14:56
Trichloroethene	< .001	mg/l			WG418027	04/22/09 14:56
Trichlorofluoromethane	< .005	mg/l			WG418027	04/22/09 14:56
Vinyl chloride	< .001	mg/l			WG418027	04/22/09 14:56
4-Bromofluorobenzene		% Rec.	98.94	75-128	WG418027	04/22/09 14:56
Dibromofluoromethane		% Rec.	92.34	79-125	WG418027	04/22/09 14:56
Toluene-d8		% Rec.	98.49	87-114	WG418027	04/22/09 14:56
a,a,a-Trifluorotoluene		% Rec.	98.20	84-114	WG418027	04/22/09 14:56
Suspended Solids	< 1	mg/l			WG418079	04/22/09 14:39
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG418194	04/23/09 04:21
1,1,1-Trichloroethane	< .001	mg/l			WG418194	04/23/09 04:21
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG418194	04/23/09 04:21
1,1,2-Trichloroethane	< .001	mg/l			WG418194	04/23/09 04:21
1,1-Dichloroethane	< .001	mg/l			WG418194	04/23/09 04:21
1,1-Dichloroethene	< .001	mg/l			WG418194	04/23/09 04:21
1,1-Dichloropropene	< .001	mg/l			WG418194	04/23/09 04:21
1,2,3-Trichlorobenzene	< .001	mg/l			WG418194	04/23/09 04:21
1,2,3-Trichloropropane	< .001	mg/l			WG418194	04/23/09 04:21
1,2,4-Trichlorobenzene	< .001	mg/l			WG418194	04/23/09 04:21
1,2,4-Trimethylbenzene	< .001	mg/l			WG418194	04/23/09 04:21
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG418194	04/23/09 04:21
1,2-Dibromoethane	< .001	mg/l			WG418194	04/23/09 04:21
1,2-Dichlorobenzene	< .001	mg/l			WG418194	04/23/09 04:21
1,2-Dichloroethane	< .001	mg/l			WG418194	04/23/09 04:21
1,2-Dichloropropane	< .001	mg/l			WG418194	04/23/09 04:21
1,3,5-Trimethylbenzene	< .001	mg/l			WG418194	04/23/09 04:21
1,3-Dichlorobenzene	< .001	mg/l			WG418194	04/23/09 04:21
1,3-Dichloropropane	< .001	mg/l			WG418194	04/23/09 04:21
1,4-Dichlorobenzene	< .001	mg/l			WG418194	04/23/09 04:21
2,2-Dichloropropane	< .001	mg/l			WG418194	04/23/09 04:21
2-Butanone (MEK)	< .01	mg/l			WG418194	04/23/09 04:21
2-Chlorotoluene	< .001	mg/l			WG418194	04/23/09 04:21
4-Chlorotoluene	< .001	mg/l			WG418194	04/23/09 04:21
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG418194	04/23/09 04:21
Acetone	< .05	mg/l			WG418194	04/23/09 04:21
Acrolein	< .05	mg/l			WG418194	04/23/09 04:21
Acrylonitrile	< .01	mg/l			WG418194	04/23/09 04:21
Benzene	< .001	mg/l			WG418194	04/23/09 04:21
Bromobenzene	< .001	mg/l			WG418194	04/23/09 04:21
Bromodichloromethane	< .001	mg/l			WG418194	04/23/09 04:21
Bromoform	< .001	mg/l			WG418194	04/23/09 04:21
Bromomethane	< .005	mg/l			WG418194	04/23/09 04:21
Carbon tetrachloride	< .001	mg/l			WG418194	04/23/09 04:21
Chlorobenzene	< .001	mg/l			WG418194	04/23/09 04:21
Chlorodibromomethane	< .001	mg/l			WG418194	04/23/09 04:21
Chloroethane	< .001	mg/l			WG418194	04/23/09 04:21
Chloroform	< .005	mg/l			WG418194	04/23/09 04:21
Chloromethane	< .001	mg/l			WG418194	04/23/09 04:21
cis-1,2-Dichloroethene	< .001	mg/l			WG418194	04/23/09 04:21

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Quality Assurance Report
Level II

L398728

April 23, 2009

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Di-isopropyl ether	< .001	mg/l			WG418194	04/23/09 04:21
Dibromomethane	< .001	mg/l			WG418194	04/23/09 04:21
Dichlorodifluoromethane	< .005	mg/l			WG418194	04/23/09 04:21
Ethylbenzene	< .001	mg/l			WG418194	04/23/09 04:21
Hexachloro-1,3-butadiene	< .001	mg/l			WG418194	04/23/09 04:21
Isopropylbenzene	< .001	mg/l			WG418194	04/23/09 04:21
m&p-Xylenes	< .002	mg/l			WG418194	04/23/09 04:21
Methyl tert-butyl ether	< .001	mg/l			WG418194	04/23/09 04:21
Methylene Chloride	< .005	mg/l			WG418194	04/23/09 04:21
n-Butylbenzene	< .001	mg/l			WG418194	04/23/09 04:21
n-Propylbenzene	< .001	mg/l			WG418194	04/23/09 04:21
Naphthalene	< .005	mg/l			WG418194	04/23/09 04:21
o-Xylene	< .001	mg/l			WG418194	04/23/09 04:21
p-Isopropyltoluene	< .001	mg/l			WG418194	04/23/09 04:21
sec-Butylbenzene	< .001	mg/l			WG418194	04/23/09 04:21
Styrene	< .001	mg/l			WG418194	04/23/09 04:21
tert-Butylbenzene	< .001	mg/l			WG418194	04/23/09 04:21
Tetrachloroethene	< .001	mg/l			WG418194	04/23/09 04:21
Toluene	< .005	mg/l			WG418194	04/23/09 04:21
trans-1,2-Dichloroethene	< .001	mg/l			WG418194	04/23/09 04:21
Trichloroethene	< .001	mg/l			WG418194	04/23/09 04:21
Trichlorofluoromethane	< .005	mg/l			WG418194	04/23/09 04:21
Vinyl chloride	< .001	mg/l			WG418194	04/23/09 04:21
4-Bromofluorobenzene		% Rec.	107.1	75-128	WG418194	04/23/09 04:21
Dibromofluoromethane		% Rec.	96.83	79-125	WG418194	04/23/09 04:21
Toluene-d8		% Rec.	101.1	87-114	WG418194	04/23/09 04:21
a,a,a-Trifluorotoluene		% Rec.	105.7	84-114	WG418194	04/23/09 04:21
Arsenic	< .02	mg/l			WG418146	04/23/09 00:11
Barium	< .005	mg/l			WG418146	04/23/09 00:11
Cadmium	< .005	mg/l			WG418146	04/23/09 00:11
Chromium	< .01	mg/l			WG418146	04/23/09 00:11
Lead	< .005	mg/l			WG418146	04/23/09 00:11
Selenium	< .02	mg/l			WG418146	04/23/09 00:11
Silver	< .01	mg/l			WG418146	04/23/09 00:11

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Mercury	mg/l	0.00	0.00	0.00	20	L398723-01	WG418074
Chloride	mg/l	646.	650.	0.617	20	L398625-17	WG418066
Chloride	mg/l	32.9	32.8	0.304	20	L398931-01	WG418066
Suspended Solids	mg/l	10.4	10.8	3.35	5	L398775-01	WG418079
Arsenic	mg/l	0.00	0.00	0.00	20	L398728-04	WG418146
Barium	mg/l	0.127	0.120	5.67	20	L398728-04	WG418146
Cadmium	mg/l	0.00	0.00	0.00	20	L398728-04	WG418146
Chromium	mg/l	0.00	0.00	0.00	20	L398728-04	WG418146
Lead	mg/l	0.00	0.00	0.00	20	L398728-04	WG418146
Selenium	mg/l	0.00	0.00	0.00	20	L398728-04	WG418146
Silver	mg/l	0.00	0.00	0.00	20	L398728-04	WG418146

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Quality Assurance Report
Level II

L398728

April 23, 2009

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Mercury	mg/l	.003	0.00304	101.	85-115	WG418074
Chloride	mg/l	40	40.0	100.	90-110	WG418066
1,1,1,2-Tetrachloroethane	mg/l	.05	0.0548	110.	75-134	WG418027
1,1,1-Trichloroethane	mg/l	.05	0.0482	96.5	67-137	WG418027
1,1,2,2-Tetrachloroethane	mg/l	.05	0.0514	103.	72-128	WG418027
1,1,2-Trichloroethane	mg/l	.05	0.0524	105.	79-123	WG418027
1,1-Dichloroethane	mg/l	.05	0.0475	94.9	67-133	WG418027
1,1-Dichloroethene	mg/l	.05	0.0482	96.4	60-130	WG418027
1,1-Dichloropropene	mg/l	.05	0.0474	94.7	68-132	WG418027
1,2,3-Trichlorobenzene	mg/l	.05	0.0513	103.	63-138	WG418027
1,2,3-Trichloropropane	mg/l	.05	0.0527	105.	68-130	WG418027
1,2,4-Trichlorobenzene	mg/l	.05	0.0512	102.	65-137	WG418027
1,2,4-Trimethylbenzene	mg/l	.05	0.0552	110.	72-135	WG418027
1,2-Dibromo-3-Chloropropane	mg/l	.05	0.0420	84.1	55-134	WG418027
1,2-Dibromoethane	mg/l	.05	0.0537	107.	75-126	WG418027
1,2-Dichlorobenzene	mg/l	.05	0.0508	102.	75-122	WG418027
1,2-Dichloroethane	mg/l	.05	0.0507	101.	63-137	WG418027
1,2-Dichloropropane	mg/l	.05	0.0500	100.	74-122	WG418027
1,3,5-Trimethylbenzene	mg/l	.05	0.0545	109.	73-134	WG418027
1,3-Dichlorobenzene	mg/l	.05	0.0548	110.	73-131	WG418027
1,3-Dichloropropane	mg/l	.05	0.0515	103.	77-119	WG418027
1,4-Dichlorobenzene	mg/l	.05	0.0502	100.	70-121	WG418027
2,2-Dichloropropane	mg/l	.05	0.0462	92.3	46-151	WG418027
2-Butanone (MEK)	mg/l	.25	0.220	87.9	53-132	WG418027
2-Chlorotoluene	mg/l	.05	0.0528	106.	74-128	WG418027
4-Chlorotoluene	mg/l	.05	0.0534	107.	74-130	WG418027
4-Methyl-2-pentanone (MIBK)	mg/l	.25	0.251	100.	60-142	WG418027
Acetone	mg/l	.25	0.211	84.5	48-134	WG418027
Acrolein	mg/l	.25	0.164	65.6	6-182	WG418027
Acrylonitrile	mg/l	.25	0.235	93.8	60-140	WG418027
Benzene	mg/l	.05	0.0453	90.7	67-126	WG418027
Bromobenzene	mg/l	.05	0.0513	103.	76-123	WG418027
Bromodichloromethane	mg/l	.05	0.0514	103.	68-133	WG418027
Bromoform	mg/l	.05	0.0578	116.	60-139	WG418027
Bromomethane	mg/l	.05	0.0646	129.	45-175	WG418027
Carbon tetrachloride	mg/l	.05	0.0470	94.1	64-141	WG418027
Chlorobenzene	mg/l	.05	0.0542	108.	77-125	WG418027
Chlorodibromomethane	mg/l	.05	0.0550	110.	73-138	WG418027
Chloroethane	mg/l	.05	0.0766	153.	49-155	WG418027
Chloroform	mg/l	.05	0.0477	95.4	66-126	WG418027
Chloromethane	mg/l	.05	0.0498	99.6	45-152	WG418027
cis-1,2-Dichloroethene	mg/l	.05	0.0479	95.9	72-128	WG418027
Di-isopropyl ether	mg/l	.05	0.0480	96.1	63-139	WG418027
Dibromomethane	mg/l	.05	0.0529	106.	73-125	WG418027
Dichlorodifluoromethane	mg/l	.05	0.0584	117.	39-189	WG418027
Ethylbenzene	mg/l	.05	0.0541	108.	76-129	WG418027
Hexachloro-1,3-butadiene	mg/l	.05	0.0516	103.	67-135	WG418027
Isopropylbenzene	mg/l	.05	0.0538	108.	73-132	WG418027
m&p-Xylenes	mg/l	.1	0.108	108.	74-128	WG418027
Methyl tert-butyl ether	mg/l	.05	0.0443	88.6	51-142	WG418027
Methylene Chloride	mg/l	.05	0.0464	92.7	64-125	WG418027
n-Butylbenzene	mg/l	.05	0.0503	101.	63-142	WG418027
n-Propylbenzene	mg/l	.05	0.0531	106.	71-132	WG418027
Naphthalene	mg/l	.05	0.0471	94.3	56-145	WG418027
o-Xylene	mg/l	.05	0.0539	108.	78-128	WG418027
p-Isopropyltoluene	mg/l	.05	0.0563	113.	68-138	WG418027

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April 23, 2009

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
sec-Butylbenzene	mg/l	.05	0.0541	108.	70-135	WG418027
Styrene	mg/l	.05	0.0575	115.	78-130	WG418027
tert-Butylbenzene	mg/l	.05	0.0547	109.	72-134	WG418027
Tetrachloroethene	mg/l	.05	0.0528	106.	67-135	WG418027
Toluene	mg/l	.05	0.0498	99.7	72-122	WG418027
trans-1,2-Dichloroethene	mg/l	.05	0.0470	94.1	67-129	WG418027
Trichloroethene	mg/l	.05	0.0499	99.9	74-126	WG418027
Trichlorofluoromethane	mg/l	.05	0.0542	108.	54-156	WG418027
Vinyl chloride	mg/l	.05	0.0524	105.	55-153	WG418027
4-Bromofluorobenzene				105.0	75-128	WG418027
Dibromofluoromethane				97.29	79-125	WG418027
Toluene-d8				100.2	87-114	WG418027
a,a,a-Trifluorotoluene				100.2	84-114	WG418027
Suspended Solids	mg/l	778	772.	99.2	85-115	WG418079
1,1,1,2-Tetrachloroethane	mg/l	.05	0.0542	108.	75-134	WG418194
1,1,1-Trichloroethane	mg/l	.05	0.0558	112.	67-137	WG418194
1,1,2,2-Tetrachloroethane	mg/l	.05	0.0536	107.	72-128	WG418194
1,1,2-Trichloroethane	mg/l	.05	0.0496	99.3	79-123	WG418194
1,1-Dichloroethane	mg/l	.05	0.0528	106.	67-133	WG418194
1,1-Dichloroethene	mg/l	.05	0.0542	108.	60-130	WG418194
1,1-Dichloropropene	mg/l	.05	0.0575	115.	68-132	WG418194
1,2,3-Trichlorobenzene	mg/l	.05	0.0512	102.	63-138	WG418194
1,2,3-Trichloropropane	mg/l	.05	0.0480	96.1	68-130	WG418194
1,2,4-Trichlorobenzene	mg/l	.05	0.0549	110.	65-137	WG418194
1,2,4-Trimethylbenzene	mg/l	.05	0.0601	120.	72-135	WG418194
1,2-Dibromo-3-Chloropropane	mg/l	.05	0.0572	114.	55-134	WG418194
1,2-Dibromoethane	mg/l	.05	0.0505	101.	75-126	WG418194
1,2-Dichlorobenzene	mg/l	.05	0.0525	105.	75-122	WG418194
1,2-Dichloroethane	mg/l	.05	0.0497	99.5	63-137	WG418194
1,2-Dichloropropane	mg/l	.05	0.0531	106.	74-122	WG418194
1,3,5-Trimethylbenzene	mg/l	.05	0.0598	120.	73-134	WG418194
1,3-Dichlorobenzene	mg/l	.05	0.0538	108.	73-131	WG418194
1,3-Dichloropropane	mg/l	.05	0.0484	96.8	77-119	WG418194
1,4-Dichlorobenzene	mg/l	.05	0.0513	103.	70-121	WG418194
2,2-Dichloropropane	mg/l	.05	0.0748	150.	46-151	WG418194
2-Butanone (MEK)	mg/l	.25	0.252	101.	53-132	WG418194
2-Chlorotoluene	mg/l	.05	0.0562	112.	74-128	WG418194
4-Chlorotoluene	mg/l	.05	0.0556	111.	74-130	WG418194
4-Methyl-2-pentanone (MIBK)	mg/l	.25	0.257	103.	60-142	WG418194
Acetone	mg/l	.25	0.238	95.3	48-134	WG418194
Acrolein	mg/l	.25	0.236	94.2	6-182	WG418194
Acrylonitrile	mg/l	.25	0.248	99.4	60-140	WG418194
Benzene	mg/l	.05	0.0537	107.	67-126	WG418194
Bromobenzene	mg/l	.05	0.0519	104.	76-123	WG418194
Bromodichloromethane	mg/l	.05	0.0566	113.	68-133	WG418194
Bromoform	mg/l	.05	0.0547	109.	60-139	WG418194
Bromomethane	mg/l	.05	0.0567	113.	45-175	WG418194
Carbon tetrachloride	mg/l	.05	0.0485	97.1	64-141	WG418194
Chlorobenzene	mg/l	.05	0.0539	108.	77-125	WG418194
Chlorodibromomethane	mg/l	.05	0.0543	109.	73-138	WG418194
Chloroethane	mg/l	.05	0.0570	114.	49-155	WG418194
Chloroform	mg/l	.05	0.0531	106.	66-126	WG418194
Chloromethane	mg/l	.05	0.0562	112.	45-152	WG418194
cis-1,2-Dichloroethene	mg/l	.05	0.0542	108.	72-128	WG418194
Di-isopropyl ether	mg/l	.05	0.0553	111.	63-139	WG418194

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Dibromomethane	mg/l	.05	0.0493	98.7	73-125	WG418194
Dichlorodifluoromethane	mg/l	.05	0.0603	121.	39-189	WG418194
Ethylbenzene	mg/l	.05	0.0554	111.	76-129	WG418194
Hexachloro-1,3-butadiene	mg/l	.05	0.0629	126.	67-135	WG418194
Isopropylbenzene	mg/l	.05	0.0585	117.	73-132	WG418194
m&p-Xylenes	mg/l	.1	0.110	110.	74-128	WG418194
Methyl tert-butyl ether	mg/l	.05	0.0525	105.	51-142	WG418194
Methylene Chloride	mg/l	.05	0.0509	102.	64-125	WG418194
n-Butylbenzene	mg/l	.05	0.0653	131.	63-142	WG418194
n-Propylbenzene	mg/l	.05	0.0579	116.	71-132	WG418194
Naphthalene	mg/l	.05	0.0543	109.	56-145	WG418194
o-Xylene	mg/l	.05	0.0557	111.	78-128	WG418194
p-Isopropyltoluene	mg/l	.05	0.0646	129.	68-138	WG418194
sec-Butylbenzene	mg/l	.05	0.0639	128.	70-135	WG418194
Styrene	mg/l	.05	0.0575	115.	78-130	WG418194
tert-Butylbenzene	mg/l	.05	0.0635	127.	72-134	WG418194
Tetrachloroethene	mg/l	.05	0.0557	111.	67-135	WG418194
Toluene	mg/l	.05	0.0554	111.	72-122	WG418194
trans-1,2-Dichloroethene	mg/l	.05	0.0558	112.	67-129	WG418194
Trichloroethene	mg/l	.05	0.0522	104.	74-126	WG418194
Trichlorofluoromethane	mg/l	.05	0.0511	102.	54-156	WG418194
Vinyl chloride	mg/l	.05	0.0537	107.	55-153	WG418194
4-Bromofluorobenzene				102.8	75-128	WG418194
Dibromofluoromethane				98.19	79-125	WG418194
Toluene-d8				102.0	87-114	WG418194
a,a,a-Trifluorotoluene				101.7	84-114	WG418194
Arsenic	mg/l	1	1.04	104.	85-115	WG418146
Barium	mg/l	1	1.04	104.	85-115	WG418146
Cadmium	mg/l	1	1.06	106.	85-115	WG418146
Chromium	mg/l	1	0.999	99.9	85-115	WG418146
Lead	mg/l	1	1.03	103.	85-115	WG418146
Selenium	mg/l	1	1.08	108.	85-115	WG418146
Silver	mg/l	1	0.987	98.7	85-115	WG418146

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Chloride	mg/l	39.8	40.0	100.	90-110	0.501	20	WG418066
1,1,1,2-Tetrachloroethane	mg/l	0.0531	0.0548	106.	75-134	3.28	20	WG418027
1,1,1-Trichloroethane	mg/l	0.0487	0.0482	97.0	67-137	1.03	20	WG418027
1,1,2,2-Tetrachloroethane	mg/l	0.0507	0.0514	101.	72-128	1.49	20	WG418027
1,1,2-Trichloroethane	mg/l	0.0507	0.0524	101.	79-123	3.14	20	WG418027
1,1-Dichloroethane	mg/l	0.0480	0.0475	96.0	67-133	1.12	20	WG418027
1,1-Dichloroethene	mg/l	0.0470	0.0482	94.0	60-130	2.59	20	WG418027
1,1-Dichloropropene	mg/l	0.0479	0.0474	96.0	68-132	1.12	20	WG418027
1,2,3-Trichlorobenzene	mg/l	0.0537	0.0513	107.	63-138	4.60	20	WG418027
1,2,3-Trichloropropane	mg/l	0.0505	0.0527	101.	68-130	4.26	20	WG418027
1,2,4-Trichlorobenzene	mg/l	0.0528	0.0512	106.	65-137	3.07	20	WG418027
1,2,4-Trimethylbenzene	mg/l	0.0539	0.0552	108.	72-135	2.34	20	WG418027
1,2-Dibromo-3-Chloropropane	mg/l	0.0425	0.0420	85.0	55-134	1.10	20	WG418027
1,2-Dibromoethane	mg/l	0.0522	0.0537	104.	75-126	2.72	20	WG418027
1,2-Dichlorobenzene	mg/l	0.0512	0.0508	102.	75-122	0.778	20	WG418027
1,2-Dichloroethane	mg/l	0.0511	0.0507	102.	63-137	0.659	20	WG418027
1,2-Dichloropropane	mg/l	0.0506	0.0500	101.	74-122	1.24	20	WG418027
1,3,5-Trimethylbenzene	mg/l	0.0542	0.0545	108.	73-134	0.679	20	WG418027

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Est. 1970

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Chan Bryant
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L398728

April 23, 2009

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,3-Dichlorobenzene	mg/l	0.0541	0.0548	108.	73-131	1.19	20	WG418027
1,3-Dichloropropane	mg/l	0.0502	0.0515	100.	77-119	2.50	20	WG418027
1,4-Dichlorobenzene	mg/l	0.0502	0.0502	100.	70-121	0.00892	20	WG418027
2,2-Dichloropropane	mg/l	0.0466	0.0462	93.0	46-151	1.01	20	WG418027
2-Butanone (MEK)	mg/l	0.213	0.220	85.0	53-132	3.17	20	WG418027
2-Chlorotoluene	mg/l	0.0520	0.0528	104.	74-128	1.46	20	WG418027
4-Chlorotoluene	mg/l	0.0527	0.0534	105.	74-130	1.34	20	WG418027
4-Methyl-2-pentanone (MIBK)	mg/l	0.246	0.251	99.0	60-142	1.72	20	WG418027
Acetone	mg/l	0.207	0.211	83.0	48-134	1.97	20	WG418027
Acrolein	mg/l	0.180	0.164	72.0	6-182	9.49	39	WG418027
Acrylonitrile	mg/l	0.229	0.235	92.0	60-140	2.30	20	WG418027
Benzene	mg/l	0.0461	0.0453	92.0	67-126	1.74	20	WG418027
Bromobenzene	mg/l	0.0515	0.0513	103.	76-123	0.520	20	WG418027
Bromodichloromethane	mg/l	0.0527	0.0514	105.	68-133	2.36	20	WG418027
Bromoform	mg/l	0.0552	0.0578	110.	60-139	4.51	20	WG418027
Bromomethane	mg/l	0.0628	0.0646	126.	45-175	2.88	20	WG418027
Carbon tetrachloride	mg/l	0.0475	0.0470	95.0	64-141	1.03	20	WG418027
Chlorobenzene	mg/l	0.0527	0.0542	105.	77-125	2.79	20	WG418027
Chlorodibromomethane	mg/l	0.0538	0.0550	108.	73-138	2.26	20	WG418027
Chloroethane	mg/l	0.0737	0.0766	147.	49-155	3.85	20	WG418027
Chloroform	mg/l	0.0483	0.0477	97.0	66-126	1.17	20	WG418027
Chloromethane	mg/l	0.0495	0.0498	99.0	45-152	0.635	20	WG418027
cis-1,2-Dichloroethene	mg/l	0.0489	0.0479	98.0	72-128	1.99	20	WG418027
Di-isopropyl ether	mg/l	0.0486	0.0480	97.0	63-139	1.22	20	WG418027
Dibromomethane	mg/l	0.0533	0.0529	107.	73-125	0.739	20	WG418027
Dichlorodifluoromethane	mg/l	0.0589	0.0584	118.	39-189	0.942	24	WG418027
Ethylbenzene	mg/l	0.0527	0.0541	105.	76-129	2.64	20	WG418027
Hexachloro-1,3-butadiene	mg/l	0.0534	0.0516	107.	67-135	3.36	20	WG418027
Isopropylbenzene	mg/l	0.0531	0.0538	106.	73-132	1.38	20	WG418027
m&p-Xylenes	mg/l	0.105	0.108	105.	74-128	2.90	20	WG418027
Methyl tert-butyl ether	mg/l	0.0448	0.0443	90.0	51-142	1.08	20	WG418027
Methylene Chloride	mg/l	0.0477	0.0464	95.0	64-125	2.83	20	WG418027
n-Butylbenzene	mg/l	0.0519	0.0503	104.	63-142	3.11	20	WG418027
n-Propylbenzene	mg/l	0.0528	0.0531	106.	71-132	0.400	20	WG418027
Naphthalene	mg/l	0.0510	0.0471	102.	56-145	7.82	20	WG418027
o-Xylene	mg/l	0.0526	0.0539	105.	78-128	2.40	20	WG418027
p-Isopropyltoluene	mg/l	0.0555	0.0563	111.	68-138	1.56	20	WG418027
sec-Butylbenzene	mg/l	0.0534	0.0541	107.	70-135	1.36	20	WG418027
Styrene	mg/l	0.0565	0.0575	113.	78-130	1.74	20	WG418027
tert-Butylbenzene	mg/l	0.0539	0.0547	108.	72-134	1.53	20	WG418027
Tetrachloroethene	mg/l	0.0509	0.0528	102.	67-135	3.62	20	WG418027
Toluene	mg/l	0.0505	0.0498	101.	72-122	1.33	20	WG418027
trans-1,2-Dichloroethene	mg/l	0.0478	0.0470	96.0	67-129	1.64	20	WG418027
Trichloroethene	mg/l	0.0508	0.0499	102.	74-126	1.65	20	WG418027
Trichlorofluoromethane	mg/l	0.0534	0.0542	107.	54-156	1.44	20	WG418027
Vinyl chloride	mg/l	0.0516	0.0524	103.	55-153	1.50	20	WG418027
4-Bromofluorobenzene				102.3	75-128			WG418027
Dibromofluoromethane				96.99	79-125			WG418027
Toluene-d8				99.59	87-114			WG418027
a,a,a-Trifluorotoluene				99.51	84-114			WG418027
Suspended Solids	mg/l	752.	772.	97.0	85-115	2.62	20	WG418079
1,1,1,2-Tetrachloroethane	mg/l	0.0494	0.0542	99.0	75-134	9.27	20	WG418194
1,1,1-Trichloroethane	mg/l	0.0528	0.0558	106.	67-137	5.64	20	WG418194
1,1,2,2-Tetrachloroethane	mg/l	0.0575	0.0536	115.	72-128	6.98	20	WG418194
1,1,2-Trichloroethane	mg/l	0.0528	0.0496	106.	79-123	6.21	20	WG418194

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Quality Assurance Report
Level II

L398728

April 23, 2009

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1-Dichloroethane	mg/l	0.0486	0.0528	97.0	67-133	8.38	20	WG418194
1,1-Dichloroethene	mg/l	0.0487	0.0542	97.0	60-130	10.7	20	WG418194
1,1-Dichloropropene	mg/l	0.0531	0.0575	106.	68-132	7.89	20	WG418194
1,2,3-Trichlorobenzene	mg/l	0.0474	0.0512	95.0	63-138	7.76	20	WG418194
1,2,3-Trichloropropane	mg/l	0.0513	0.0480	103.	68-130	6.59	20	WG418194
1,2,4-Trichlorobenzene	mg/l	0.0474	0.0549	95.0	65-137	14.7	20	WG418194
1,2,4-Trimethylbenzene	mg/l	0.0495	0.0601	99.0	72-135	19.5	20	WG418194
1,2-Dibromo-3-Chloropropane	mg/l	0.0576	0.0572	115.	55-134	0.699	20	WG418194
1,2-Dibromoethane	mg/l	0.0549	0.0505	110.	75-126	8.31	20	WG418194
1,2-Dichlorobenzene	mg/l	0.0479	0.0525	96.0	75-122	9.18	20	WG418194
1,2-Dichloroethane	mg/l	0.0534	0.0497	107.	63-137	7.05	20	WG418194
1,2-Dichloropropane	mg/l	0.0529	0.0531	106.	74-122	0.437	20	WG418194
1,3,5-Trimethylbenzene	mg/l	0.0497	0.0598	99.0	73-134	18.4	20	WG418194
1,3-Dichlorobenzene	mg/l	0.0481	0.0538	96.0	73-131	11.2	20	WG418194
1,3-Dichloropropane	mg/l	0.0517	0.0484	103.	77-119	6.65	20	WG418194
1,4-Dichlorobenzene	mg/l	0.0478	0.0513	96.0	70-121	7.10	20	WG418194
2,2-Dichloropropane	mg/l	0.0713	0.0748	143.	46-151	4.87	20	WG418194
2-Butanone (MEK)	mg/l	0.277	0.252	111.	53-132	9.52	20	WG418194
2-Chlorotoluene	mg/l	0.0488	0.0562	98.0	74-128	14.0	20	WG418194
4-Chlorotoluene	mg/l	0.0494	0.0556	99.0	74-130	11.9	20	WG418194
4-Methyl-2-pentanone (MIBK)	mg/l	0.294	0.257	118.	60-142	13.3	20	WG418194
Acetone	mg/l	0.253	0.238	101.	48-134	5.85	20	WG418194
Acrolein	mg/l	0.200	0.236	80.0	6-182	16.5	39	WG418194
Acrylonitrile	mg/l	0.277	0.248	111.	60-140	10.9	20	WG418194
Benzene	mg/l	0.0504	0.0537	101.	67-126	6.36	20	WG418194
Bromobenzene	mg/l	0.0495	0.0519	99.0	76-123	4.75	20	WG418194
Bromodichloromethane	mg/l	0.0563	0.0566	113.	68-133	0.527	20	WG418194
Bromoform	mg/l	0.0598	0.0547	120.	60-139	8.79	20	WG418194
Bromomethane	mg/l	0.0569	0.0567	114.	45-175	0.458	20	WG418194
Carbon tetrachloride	mg/l	0.0457	0.0485	91.0	64-141	5.98	20	WG418194
Chlorobenzene	mg/l	0.0489	0.0539	98.0	77-125	9.69	20	WG418194
Chlorodibromomethane	mg/l	0.0560	0.0543	112.	73-138	3.07	20	WG418194
Chloroethane	mg/l	0.0538	0.0570	108.	49-155	5.76	20	WG418194
Chloroform	mg/l	0.0499	0.0531	100.	66-126	6.24	20	WG418194
Chloromethane	mg/l	0.0516	0.0562	103.	45-152	8.48	20	WG418194
cis-1,2-Dichloroethene	mg/l	0.0505	0.0542	101.	72-128	7.03	20	WG418194
Di-isopropyl ether	mg/l	0.0515	0.0553	103.	63-139	7.19	20	WG418194
Dibromomethane	mg/l	0.0545	0.0493	109.	73-125	9.90	20	WG418194
Dichlorodifluoromethane	mg/l	0.0544	0.0603	109.	39-189	10.3	24	WG418194
Ethylbenzene	mg/l	0.0486	0.0554	97.0	76-129	13.1	20	WG418194
Hexachloro-1,3-butadiene	mg/l	0.0477	0.0629	95.0	67-135	27.5*	20	WG418194
Isopropylbenzene	mg/l	0.0503	0.0585	101.	73-132	15.1	20	WG418194
m&p-Xylenes	mg/l	0.0975	0.110	97.0	74-128	12.5	20	WG418194
Methyl tert-butyl ether	mg/l	0.0555	0.0525	111.	51-142	5.65	20	WG418194
Methylene Chloride	mg/l	0.0495	0.0509	99.0	64-125	2.79	20	WG418194
n-Butylbenzene	mg/l	0.0509	0.0653	102.	63-142	24.8*	20	WG418194
n-Propylbenzene	mg/l	0.0500	0.0579	100.	71-132	14.6	20	WG418194
Naphthalene	mg/l	0.0537	0.0543	107.	56-145	1.18	20	WG418194
o-Xylene	mg/l	0.0493	0.0557	99.0	78-128	12.2	20	WG418194
p-Isopropyltoluene	mg/l	0.0510	0.0646	102.	68-138	23.5*	20	WG418194
sec-Butylbenzene	mg/l	0.0521	0.0639	104.	70-135	20.5*	20	WG418194
Styrene	mg/l	0.0535	0.0575	107.	78-130	7.31	20	WG418194
tert-Butylbenzene	mg/l	0.0526	0.0635	105.	72-134	18.9	20	WG418194
Tetrachloroethene	mg/l	0.0479	0.0557	96.0	67-135	14.9	20	WG418194
Toluene	mg/l	0.0518	0.0554	104.	72-122	6.75	20	WG418194
trans-1,2-Dichloroethene	mg/l	0.0495	0.0558	99.0	67-129	12.0	20	WG418194
Trichloroethene	mg/l	0.0472	0.0522	94.0	74-126	9.91	20	WG418194
Trichlorofluoromethane	mg/l	0.0497	0.0511	99.0	54-156	2.64	20	WG418194
Vinyl chloride	mg/l	0.0481	0.0537	96.0	55-153	11.0	20	WG418194

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Quality Assurance Report
Level II

L398728

April 23, 2009

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
4-Bromofluorobenzene				102.9		75-128		
Dibromofluoromethane				101.2		79-125		
Toluene-d8				102.6		87-114		
a,a,a-Trifluorotoluene				100.2		84-114		

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Mercury	mg/l	0.00286	0.00	.003	95.3	70-130	L398723-01	WG418074
Chloride	mg/l	73.5	23.5	50	100.	80-120	L398748-01	WG418066
1,1,1,2-Tetrachloroethane	mg/l	0.0648	0.00	.05	130.	45-152	L398606-02	WG418027
1,1,1-Trichloroethane	mg/l	0.0616	0.00430	.05	115.	31-161	L398606-02	WG418027
1,1,2,2-Tetrachloroethane	mg/l	0.0661	0.00	.05	132.	49-149	L398606-02	WG418027
1,1,2-Trichloroethane	mg/l	0.0641	0.00	.05	128.	46-145	L398606-02	WG418027
1,1-Dichloroethane	mg/l	0.0578	0.00110	.05	113.	30-159	L398606-02	WG418027
1,1-Dichloroethene	mg/l	0.0559	0.00	.05	112.	10-162	L398606-02	WG418027
1,1-Dichloropropene	mg/l	0.0550	0.00	.05	110.	14-162	L398606-02	WG418027
1,2,3-Trichlorobenzene	mg/l	0.0643	0.00	.05	129.	32-143	L398606-02	WG418027
1,2,3-Trichloropropane	mg/l	0.0655	0.00	.05	131.	48-148	L398606-02	WG418027
1,2,4-Trichlorobenzene	mg/l	0.0645	0.00	.05	129.	27-142	L398606-02	WG418027
1,2,4-Trimethylbenzene	mg/l	0.0664	0.00	.05	133.	29-153	L398606-02	WG418027
1,2-Dibromo-3-Chloropropane	mg/l	0.0552	0.00	.05	110.	37-148	L398606-02	WG418027
1,2-Dibromoethane	mg/l	0.0657	0.00	.05	132.	41-149	L398606-02	WG418027
1,2-Dichlorobenzene	mg/l	0.0612	0.00	.05	122.	40-139	L398606-02	WG418027
1,2-Dichloroethane	mg/l	0.0609	0.00	.05	122.	29-167	L398606-02	WG418027
1,2-Dichloropropane	mg/l	0.0596	0.00	.05	119.	39-148	L398606-02	WG418027
1,3,5-Trimethylbenzene	mg/l	0.0660	0.00	.05	132.	33-149	L398606-02	WG418027
1,3-Dichlorobenzene	mg/l	0.0678	0.00	.05	136.	32-148	L398606-02	WG418027
1,3-Dichloropropane	mg/l	0.0625	0.00	.05	125.	44-142	L398606-02	WG418027
1,4-Dichlorobenzene	mg/l	0.0608	0.00	.05	122.	32-136	L398606-02	WG418027
2,2-Dichloropropane	mg/l	0.0560	0.00	.05	112.	14-158	L398606-02	WG418027
2-Butanone (MEK)	mg/l	0.279	0.00	.25	112.	32-151	L398606-02	WG418027
2-Chlorotoluene	mg/l	0.0629	0.00	.05	126.	35-147	L398606-02	WG418027
4-Chlorotoluene	mg/l	0.0650	0.00	.05	130.	33-147	L398606-02	WG418027
4-Methyl-2-pentanone (MIBK)	mg/l	0.314	0.00	.25	126.	40-160	L398606-02	WG418027
Acetone	mg/l	0.269	0.0150	.25	102.	25-157	L398606-02	WG418027
Acrolein	mg/l	0.263	0.00	.25	105.	0-179	L398606-02	WG418027
Acrylonitrile	mg/l	0.299	0.00	.25	120.	37-162	L398606-02	WG418027
Benzene	mg/l	0.0530	0.00	.05	106.	16-158	L398606-02	WG418027
Bromobenzene	mg/l	0.0613	0.00	.05	123.	37-147	L398606-02	WG418027
Bromodichloromethane	mg/l	0.0636	0.00	.05	127.	45-147	L398606-02	WG418027
Bromoform	mg/l	0.0737	0.00	.05	147.	38-152	L398606-02	WG418027
Bromomethane	mg/l	0.0645	0.00	.05	129.	0-191	L398606-02	WG418027
Carbon tetrachloride	mg/l	0.0561	0.00	.05	112.	22-168	L398606-02	WG418027
Chlorobenzene	mg/l	0.0637	0.00	.05	127.	33-148	L398606-02	WG418027
Chlorodibromomethane	mg/l	0.0684	0.00063	.05	136.	48-151	L398606-02	WG418027
Chloroethane	mg/l	0.0783	0.00	.05	157.	4-176	L398606-02	WG418027
Chloroform	mg/l	0.0572	0.00077	.05	113.	37-147	L398606-02	WG418027
Chloromethane	mg/l	0.0538	0.00	.05	108.	10-174	L398606-02	WG418027
cis-1,2-Dichloroethene	mg/l	0.0576	0.00	.05	115.	29-156	L398606-02	WG418027
Di-isopropyl ether	mg/l	0.0565	0.00	.05	113.	39-160	L398606-02	WG418027
Dibromomethane	mg/l	0.0645	0.00	.05	129.	36-152	L398606-02	WG418027
Dichlorodifluoromethane	mg/l	0.0579	0.00	.05	116.	0-200	L398606-02	WG418027
Ethylbenzene	mg/l	0.0635	0.00	.05	127.	29-150	L398606-02	WG418027
Hexachloro-1,3-butadiene	mg/l	0.0630	0.00	.05	126.	28-144	L398606-02	WG418027

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Tax I.D. 62-0814289

Est. 1970

Withers & Ravenel Eng. - Standard
Chan Bryant
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L398728

April 23, 2009

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Isopropylbenzene	mg/l	0.0645	0.00	.05	129.	35-147	L398606-02	WG418027
m&p-Xylenes	mg/l	0.127	0.00	.1	127.	24-151	L398606-02	WG418027
Methyl tert-butyl ether	mg/l	0.0542	0.00	.05	108.	24-167	L398606-02	WG418027
Methylene Chloride	mg/l	0.0560	0.00	.05	112.	23-151	L398606-02	WG418027
n-Butylbenzene	mg/l	0.0617	0.00	.05	123.	22-151	L398606-02	WG418027
n-Propylbenzene	mg/l	0.0639	0.00	.05	128.	26-150	L398606-02	WG418027
Naphthalene	mg/l	0.0629	0.00	.05	126.	24-160	L398606-02	WG418027
o-Xylene	mg/l	0.0642	0.00	.05	128.	32-151	L398606-02	WG418027
p-Isopropyltoluene	mg/l	0.0690	0.00	.05	138.	28-151	L398606-02	WG418027
sec-Butylbenzene	mg/l	0.0653	0.00	.05	131.	32-149	L398606-02	WG418027
Styrene	mg/l	0.0689	0.00	.05	138.	38-149	L398606-02	WG418027
tert-Butylbenzene	mg/l	0.0657	0.00	.05	131.	36-149	L398606-02	WG418027
Tetrachloroethene	mg/l	0.0607	0.00	.05	121.	13-157	L398606-02	WG418027
Toluene	mg/l	0.0582	0.00	.05	116.	22-152	L398606-02	WG418027
trans-1,2-Dichloroethene	mg/l	0.0560	0.00	.05	112.	11-160	L398606-02	WG418027
Trichloroethene	mg/l	0.0591	0.00	.05	118.	18-163	L398606-02	WG418027
Trichlorofluoromethane	mg/l	0.0598	0.00	.05	120.	10-177	L398606-02	WG418027
Vinyl chloride	mg/l	0.0568	0.00	.05	114.	0-179	L398606-02	WG418027
4-Bromofluorobenzene					106.6	75-128		WG418027
Dibromofluoromethane					98.04	79-125		WG418027
Toluene-d8					99.94	87-114		WG418027
a,a,a-Trifluorotoluene					99.51	84-114		WG418027
1,1,1,2-Tetrachloroethane	mg/l	0.0616	0.00	.05	123.	45-152	L398799-03	WG418194
1,1,1-Trichloroethane	mg/l	0.0691	0.00	.05	138.	31-161	L398799-03	WG418194
1,1,2,2-Tetrachloroethane	mg/l	0.0616	0.00	.05	123.	49-149	L398799-03	WG418194
1,1,2-Trichloroethane	mg/l	0.0573	0.00	.05	115.	46-145	L398799-03	WG418194
1,1-Dichloroethane	mg/l	0.0618	0.00	.05	124.	30-159	L398799-03	WG418194
1,1-Dichloroethene	mg/l	0.0683	0.00	.05	137.	10-162	L398799-03	WG418194
1,1-Dichloropropene	mg/l	0.0693	0.00	.05	139.	14-162	L398799-03	WG418194
1,2,3-Trichlorobenzene	mg/l	0.0565	0.00	.05	113.	32-143	L398799-03	WG418194
1,2,3-Trichloropropane	mg/l	0.0540	0.00	.05	108.	48-148	L398799-03	WG418194
1,2,4-Trichlorobenzene	mg/l	0.0596	0.00	.05	119.	27-142	L398799-03	WG418194
1,2,4-Trimethylbenzene	mg/l	0.0640	0.00	.05	128.	29-153	L398799-03	WG418194
1,2-Dibromo-3-Chloropropane	mg/l	0.0658	0.00	.05	132.	37-148	L398799-03	WG418194
1,2-Dibromoethane	mg/l	0.0569	0.00	.05	114.	41-149	L398799-03	WC418194
1,2-Dichlorobenzene	mg/l	0.0583	0.00	.05	117.	40-139	L398799-03	WG418194
1,2-Dichloroethane	mg/l	0.0556	0.00	.05	111.	29-167	L398799-03	WG418194
1,2-Dichloropropane	mg/l	0.0606	0.00	.05	121.	39-148	L398799-03	WG418194
1,3,5-Trimethylbenzene	mg/l	0.0657	0.00	.05	131.	33-149	L398799-03	WG418194
1,3-Dichlorobenzene	mg/l	0.0595	0.00	.05	119.	32-148	L398799-03	WG418194
1,3-Dichloropropane	mg/l	0.0556	0.00	.05	111.	44-142	L398799-03	WG418194
1,4-Dichlorobenzene	mg/l	0.0575	0.00	.05	115.	32-136	L398799-03	WG418194
2,2-Dichloropropane	mg/l	0.0960	0.00	.05	192.*	14-158	L398799-03	WG418194
2-Butanone (MEK)	mg/l	0.280	0.00	.25	112.	32-151	L398799-03	WG418194
2-Chlorotoluene	mg/l	0.0634	0.00	.05	127.	35-147	L398799-03	WG418194
4-Chlorotoluene	mg/l	0.0628	0.00	.05	126.	33-147	L398799-03	WG418194
4-Methyl-2-pentanone (MIBK)	mg/l	0.293	0.00	.25	117.	40-160	L398799-03	WG418194
Acetone	mg/l	0.252	0.00056	.25	100.	25-157	L398799-03	WG418194
Acrolein	mg/l	0.245	0.00	.25	98.2	0-179	L398799-03	WG418194
Acrylonitrile	mg/l	0.269	0.00	.25	108.	37-162	L398799-03	WG418194
Benzene	mg/l	0.0609	0.00	.05	122.	16-158	L398799-03	WG418194
Bromobenzene	mg/l	0.0597	0.00	.05	119.	37-147	L398799-03	WG418194
Bromodichloromethane	mg/l	0.0645	0.00	.05	129.	45-147	L398799-03	WG418194
Bromoform	mg/l	0.0633	0.00	.05	127.	38-152	L398799-03	WG418194
Bromomethane	mg/l	0.0680	0.00	.05	136.	0-191	L398799-03	WG418194
Carbon tetrachloride	mg/l	0.0598	0.00	.05	120.	22-168	L398799-03	WG418194
Chlorobenzene	mg/l	0.0608	0.00	.05	122.	33-148	L398799-03	WG418194

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Quality Assurance Report
Level II

L398728

April 23, 2009

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Chlorodibromomethane	mg/l	0.0625	0.00	.05	125.	48-151	L398799-03	WG418194
Chloroethane	mg/l	0.0670	0.00	.05	134.	4-176	L398799-03	WG418194
Chloroform	mg/l	0.0610	0.00	.05	122.	37-147	L398799-03	WG418194
Chloromethane	mg/l	0.0630	0.00	.05	126.	10-174	L398799-03	WG418194
cis-1,2-Dichloroethene	mg/l	0.0613	0.00	.05	123.	29-156	L398799-03	WG418194
Di-isopropyl ether	mg/l	0.0608	0.00	.05	122.	39-160	L398799-03	WG418194
Dibromomethane	mg/l	0.0557	0.00	.05	111.	36-152	L398799-03	WG418194
Dichlorodifluoromethane	mg/l	0.0652	0.00	.05	130.	0-200	L398799-03	WG418194
Ethylbenzene	mg/l	0.0636	0.00	.05	127.	29-150	L398799-03	WG418194
Hexachloro-1,3-butadiene	mg/l	0.0684	0.00	.05	137.	28-144	L398799-03	WG418194
Isopropylbenzene	mg/l	0.0686	0.00	.05	137.	35-147	L398799-03	WG418194
m&p-Xylenes	mg/l	0.124	0.00	.1	124.	24-151	L398799-03	WG418194
Methyl tert-butyl ether	mg/l	0.0580	0.00	.05	116.	24-167	L398799-03	WG418194
Methylene Chloride	mg/l	0.0573	0.00	.05	115.	23-151	L398799-03	WG418194
n-Butylbenzene	mg/l	0.0704	0.00	.05	141.	22-151	L398799-03	WG418194
n-Propylbenzene	mg/l	0.0666	0.00	.05	133.	26-150	L398799-03	WG418194
Naphthalene	mg/l	0.0626	0.00	.05	125.	24-160	L398799-03	WG418194
o-Xylene	mg/l	0.0631	0.00	.05	126.	32-151	L398799-03	WG418194
p-Isopropyltoluene	mg/l	0.0690	0.00	.05	138.	28-151	L398799-03	WG418194
sec-Butylbenzene	mg/l	0.0711	0.00	.05	142.	32-149	L398799-03	WG418194
Styrene	mg/l	0.0652	0.00	.05	130.	38-149	L398799-03	WG418194
tert-Butylbenzene	mg/l	0.0718	0.00	.05	144.	36-149	L398799-03	WG418194
Tetrachloroethene	mg/l	0.0638	0.00	.05	128.	13-157	L398799-03	WG418194
Toluene	mg/l	0.0630	0.00	.05	126.	22-152	L398799-03	WG418194
trans-1,2-Dichloroethene	mg/l	0.0639	0.00	.05	128.	11-160	L398799-03	WG418194
Trichloroethene	mg/l	0.0601	0.00	.05	120.	18-163	L398799-03	WG418194
Trichlorofluoromethane	mg/l	0.0631	0.00	.05	126.	10-177	L398799-03	WG418194
Vinyl chloride	mg/l	0.0628	0.00	.05	126.	0-179	L398799-03	WG418194
4-Bromofluorobenzene					105.1	75-128		WG418194
Dibromofluoromethane					98.45	79-125		WG418194
Toluene-d8					102.7	87-114		WG418194
a,a,a-Trifluorotoluene					101.3	84-114		WG418194
Arsenic	mg/l	1.03	0.00	1	103.	75-125	L398728-04	WG418146
Barium	mg/l	1.14	0.120	1	102.	75-125	L398728-04	WG418146
Cadmium	mg/l	1.04	0.00	1	104.	75-125	L398728-04	WG418146
Chromium	mg/l	0.991	0.00	1	99.1	75-125	L398728-04	WG418146
Lead	mg/l	1.02	0.00	1	102.	75-125	L398728-04	WG418146
Selenium	mg/l	1.04	0.00	1	104.	75-125	L398728-04	WG418146
Silver	mg/l	0.968	0.00	1	96.8	75-125	L398728-04	WG418146

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Mercury	mg/l	0.0028	0.0028	95.0	70-130	0.350	20	L398723-01	WG418074
Chloride	mg/l	71.9	73.5	96.8	80-120	2.20	20	L398748-01	WG418066
1,1,1,2-Tetrachloroethane	mg/l	0.0501	0.0648	100.	45-152	25.5*	21	L398606-02	WG418027
1,1,1-Trichloroethane	mg/l	0.0498	0.0616	91.0	31-161	21.1	23	L398606-02	WG418027
1,1,2,2-Tetrachloroethane	mg/l	0.0513	0.0661	103.	49-149	25.1*	22	L398606-02	WG418027
1,1,2-Trichloroethane	mg/l	0.0489	0.0641	97.8	46-145	26.9*	20	L398606-02	WG418027
1,1-Dichloroethane	mg/l	0.0462	0.0578	90.1	30-159	22.4*	21	L398606-02	WG418027
1,1-Dichloroethene	mg/l	0.0438	0.0559	87.7	10-162	24.2*	23	L398606-02	WG418027
1,1-Dichloropropene	mg/l	0.0440	0.0550	88.0	14-162	22.2	23	L398606-02	WG418027
1,2,3-Trichlorobenzene	mg/l	0.0505	0.0643	101.	32-143	24.1	33	L398606-02	WG418027

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Quality Assurance Report
Level II

L398728

April 23, 2009

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,2,3-Trichloropropane	mg/l	0.0502	0.0655	100.	48-148	26.4*	23	L398606-02	WG418027
1,2,4-Trichlorobenzene	mg/l	0.0501	0.0645	100.	27-142	25.0	30	L398606-02	WG418027
1,2,4-Trimethylbenzene	mg/l	0.0509	0.0664	102.	29-153	26.5	27	L398606-02	WG418027
1,2-Dibromo-3-Chloropropane	mg/l	0.0425	0.0552	85.0	37-148	26.0	27	L398606-02	WG418027
1,2-Dibromoethane	mg/l	0.0501	0.0657	100.	41-149	27.0*	21	L398606-02	WG418027
1,2-Dichlorobenzene	mg/l	0.0478	0.0612	95.6	40-139	24.5*	23	L398606-02	WG418027
1,2-Dichloroethane	mg/l	0.0488	0.0609	97.6	29-167	22.1*	21	L398606-02	WG418027
1,2-Dichloropropane	mg/l	0.0477	0.0596	95.4	39-148	22.2*	20	L398606-02	WG418027
1,3,5-Trimethylbenzene	mg/l	0.0506	0.0660	101.	33-149	26.6*	26	L398606-02	WG418027
1,3-Dichlorobenzene	mg/l	0.0510	0.0678	102.	32-148	28.3*	24	L398606-02	WG418027
1,3-Dichloropropane	mg/l	0.0476	0.0625	95.3	44-142	27.1*	20	L398606-02	WG418027
1,4-Dichlorobenzene	mg/l	0.0465	0.0608	93.0	32-136	26.6*	23	L398606-02	WG418027
2,2-Dichloropropane	mg/l	0.0447	0.0560	89.4	14-158	22.4	23	L398606-02	WG418027
2-Butanone (MEK)	mg/l	0.219	0.279	87.7	32-151	23.9	26	L398606-02	WG418027
2-Chlorotoluene	mg/l	0.0489	0.0629	97.8	35-147	25.0*	24	L398606-02	WG418027
4-Chlorotoluene	mg/l	0.0496	0.0650	99.2	33-147	26.9*	25	L398606-02	WG418027
4-Methyl-2-pentanone (MIBK)	mg/l	0.253	0.314	101.	40-160	21.6	28	L398606-02	WG418027
Acetone	mg/l	0.215	0.269	80.1	25-157	22.3	26	L398606-02	WG418027
Acrolein	mg/l	0.199	0.263	79.5	0-179	27.9	39	L398606-02	WG418027
Acrylonitrile	mg/l	0.235	0.299	94.0	37-162	23.9	24	L398606-02	WG418027
Benzene	mg/l	0.0428	0.0530	85.5	16-158	21.5*	21	L398606-02	WG418027
Bromobenzene	mg/l	0.0479	0.0613	95.8	37-147	24.5*	23	L398606-02	WG418027
Bromodichloromethane	mg/l	0.0500	0.0636	100.	45-147	23.9*	20	L398606-02	WG418027
Bromoform	mg/l	0.0547	0.0737	109.	38-152	29.7*	20	L398606-02	WG418027
Bromomethane	mg/l	0.0545	0.0645	109.	0-191	16.9	35	L398606-02	WG418027
Carbon tetrachloride	mg/l	0.0447	0.0561	89.3	22-168	22.7	24	L398606-02	WG418027
Chlorobenzene	mg/l	0.0488	0.0637	97.7	33-148	26.4*	22	L398606-02	WG418027
Chlorodibromomethane	mg/l	0.0519	0.0684	103.	48-151	27.4*	21	L398606-02	WG418027
Chloroethane	mg/l	0.0605	0.0783	121.	4-176	25.7	27	L398606-02	WG418027
Chloroform	mg/l	0.0461	0.0572	90.6	37-147	21.6*	21	L398606-02	WG418027
Chloromethane	mg/l	0.0428	0.0538	85.5	10-174	22.9	28	L398606-02	WG418027
cis-1,2-Dichloroethene	mg/l	0.0459	0.0576	91.7	29-156	22.7*	22	L398606-02	WG418027
Di-isopropyl ether	mg/l	0.0448	0.0565	89.6	39-160	23.1*	21	L398606-02	WG418027
Dibromomethane	mg/l	0.0503	0.0645	101.	36-152	24.6*	20	L398606-02	WG418027
Dichlorodifluoromethane	mg/l	0.0464	0.0579	92.8	0-200	22.1	26	L398606-02	WG418027
Ethylbenzene	mg/l	0.0485	0.0635	97.0	29-150	26.8*	24	L398606-02	WG418027
Hexachloro-1,3-butadiene	mg/l	0.0493	0.0630	98.6	28-144	24.4	33	L398606-02	WG418027
Isopropylbenzene	mg/l	0.0491	0.0645	98.2	35-147	27.0*	25	L398606-02	WG418027
m&p-Xylenes	mg/l	0.0978	0.127	97.8	24-151	25.7*	23	L398606-02	WG418027
Methyl tert-butyl ether	mg/l	0.0435	0.0542	86.9	24-167	21.9	22	L398606-02	WG418027
Methylene Chloride	mg/l	0.0441	0.0560	88.2	23-151	23.8*	21	L398606-02	WG418027
n-Butylbenzene	mg/l	0.0478	0.0617	95.5	22-151	25.4	29	L398606-02	WG418027
n-Propylbenzene	mg/l	0.0490	0.0639	98.0	26-150	26.4*	25	L398606-02	WG418027
Naphthalene	mg/l	0.0503	0.0629	101.	24-160	22.3	37	L398606-02	WG418027
o-Xylene	mg/l	0.0490	0.0642	98.1	32-151	26.8*	23	L398606-02	WG418027
p-Isopropyltoluene	mg/l	0.0521	0.0690	104.	28-151	27.8*	27	L398606-02	WG418027
sec-Butylbenzene	mg/l	0.0498	0.0653	99.7	32-149	26.9*	26	L398606-02	WG418027
Styrene	mg/l	0.0523	0.0689	105.	38-149	27.4*	23	L398606-02	WG418027
tert-Butylbenzene	mg/l	0.0505	0.0657	101.	36-149	26.2*	26	L398606-02	WG418027
Tetrachloroethene	mg/l	0.0459	0.0607	91.7	13-157	27.8*	24	L398606-02	WG418027
Toluene	mg/l	0.0463	0.0582	92.6	22-152	22.7*	22	L398606-02	WG418027
trans-1,2-Dichloroethene	mg/l	0.0439	0.0560	87.8	11-160	24.3*	23	L398606-02	WG418027
Trichloroethene	mg/l	0.0463	0.0591	92.6	18-163	24.3*	21	L398606-02	WG418027
Trichlorofluoromethane	mg/l	0.0473	0.0598	94.7	10-177	23.4	24	L398606-02	WG418027
Vinyl chloride	mg/l	0.0448	0.0568	89.5	0-179	23.7	26	L398606-02	WG418027
4-Bromofluorobenzene				102.9	75-128				WG418027
Dibromofluoromethane				98.50	79-125				WG418027
Toluene-d8				99.39	87-114				WG418027
a,a,a-Trifluorotoluene				99.59	84-114				WG418027

* Performance of this Analyte is outside of established criteria.
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Est. 1970

Withers & Ravenel Eng. - Standard
Chan Bryant
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L398728

April 23, 2009

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0602	0.0616	120.	45-152	2.30	21	L398799-03	WG418194
1,1,1-Trichloroethane	mg/l	0.0710	0.0691	142.	31-161	2.64	23	L398799-03	WG418194
1,1,2,2-Tetrachloroethane	mg/l	0.0704	0.0616	141.	49-149	13.2	22	L398799-03	WG418194
1,1,2-Trichloroethane	mg/l	0.0640	0.0573	128.	46-145	11.1	20	L398799-03	WG418194
1,1-Dichloroethane	mg/l	0.0634	0.0618	127.	30-159	2.46	21	L398799-03	WG418194
1,1-Dichloroethene	mg/l	0.0678	0.0683	136.	10-162	0.693	23	L398799-03	WG418194
1,1-Dichloropropene	mg/l	0.0703	0.0693	141.	14-162	1.39	23	L398799-03	WG418194
1,2,3-Trichlorobenzene	mg/l	0.0696	0.0565	139.	32-143	20.7	33	L398799-03	WG418194
1,2,3-Trichloropropane	mg/l	0.0622	0.0540	124.	48-148	14.1	23	L398799-03	WG418194
1,2,4-Trichlorobenzene	mg/l	0.0685	0.0596	137.	27-142	13.9	30	L398799-03	WG418194
1,2,4-Trimethylbenzene	mg/l	0.0597	0.0640	119.	29-153	6.94	27	L398799-03	WG418194
1,2-Dibromo-3-Chloropropane	mg/l	0.0775	0.0658	155.088*	37-148	16.4	27	L398799-03	WG418194
1,2-Dibromoethane	mg/l	0.0662	0.0569	132.	41-149	15.1	21	L398799-03	WG418194
1,2-Dichlorobenzene	mg/l	0.0608	0.0583	122.	40-139	4.07	23	L398799-03	WG418194
1,2-Dichloroethane	mg/l	0.0645	0.0556	129.	29-167	14.7	21	L398799-03	WG418194
1,2-Dichloropropane	mg/l	0.0657	0.0606	131.	39-148	8.05	20	L398799-03	WG418194
1,3,5-Trimethylbenzene	mg/l	0.0593	0.0657	119.	33-149	10.2	26	L398799-03	WG418194
1,3-Dichlorobenzene	mg/l	0.0590	0.0595	118.	32-148	0.840	24	L398799-03	WG418194
1,3-Dichloropropane	mg/l	0.0633	0.0556	127.	44-142	13.0	20	L398799-03	WG418194
1,4-Dichlorobenzene	mg/l	0.0591	0.0575	118.	32-136	2.82	23	L398799-03	WG418194
2,2-Dichloropropane	mg/l	0.0979	0.0960	195.778*	14-158	1.93	23	L398799-03	WG418194
2-Butanone (MEK)	mg/l	0.335	0.280	134.	32-151	17.8	26	L398799-03	WG418194
2-Chlorotoluene	mg/l	0.0586	0.0634	117.	35-147	7.87	24	L398799-03	WG418194
4-Chlorotoluene	mg/l	0.0602	0.0628	120.	33-147	4.10	25	L398799-03	WG418194
4-Methyl-2-pentanone (MIBK)	mg/l	0.349	0.293	140.	40-160	17.5	28	L398799-03	WG418194
Acetone	mg/l	0.256	0.252	102.	25-157	1.66	26	L398799-03	WG418194
Acrolein	mg/l	0.290	0.245	116.	0-179	16.7	39	L398799-03	WG418194
Acrylonitrile	mg/l	0.317	0.269	127.	37-162	16.3	24	L398799-03	WG418194
Benzene	mg/l	0.0638	0.0609	128.	16-158	4.59	21	L398799-03	WG418194
Bromobenzene	mg/l	0.0601	0.0597	120.	37-147	0.639	23	L398799-03	WG418194
Bromodichloromethane	mg/l	0.0705	0.0645	141.	45-147	8.80	20	L398799-03	WG418194
Bromoform	mg/l	0.0724	0.0633	145.	38-152	13.5	20	L398799-03	WG418194
Bromomethane	mg/l	0.0721	0.0680	144.	0-191	5.88	35	L398799-03	WG418194
Carbon tetrachloride	mg/l	0.0625	0.0598	125.	22-168	4.43	24	L398799-03	WG418194
Chlorobenzene	mg/l	0.0600	0.0608	120.	33-148	1.35	22	L398799-03	WG418194
Chlorodibromomethane	mg/l	0.0683	0.0625	137.	48-151	8.86	21	L398799-03	WG418194
Chloroethane	mg/l	0.0682	0.0670	136.	4-176	1.76	27	L398799-03	WG418194
Chloroform	mg/l	0.0636	0.0610	127.	37-147	4.28	21	L398799-03	WG418194
Chloromethane	mg/l	0.0642	0.0630	128.	10-174	1.89	28	L398799-03	WG418194
cis-1,2-Dichloroethene	mg/l	0.0637	0.0613	127.	29-156	3.78	22	L398799-03	WG418194
Di-isopropyl ether	mg/l	0.0624	0.0608	125.	39-160	2.57	21	L398799-03	WG418194
Dibromomethane	mg/l	0.0651	0.0557	130.	36-152	15.6	20	L398799-03	WG418194
Dichlorodifluoromethane	mg/l	0.0674	0.0652	135.	0-200	3.31	26	L398799-03	WG418194
Ethylbenzene	mg/l	0.0608	0.0636	122.	29-150	4.56	24	L398799-03	WG418194
Hexachloro-1,3-butadiene	mg/l	0.0776	0.0684	155.217*	28-144	12.6	33	L398799-03	WG418194
Isopropylbenzene	mg/l	0.0615	0.0686	123.	35-147	10.9	25	L398799-03	WG418194
m&p-Xylenes	mg/l	0.119	0.124	119.	24-151	4.08	23	L398799-03	WG418194
Methyl tert-butyl ether	mg/l	0.0662	0.0580	132.	24-167	13.3	22	L398799-03	WG418194
Methylene Chloride	mg/l	0.0611	0.0573	122.	23-151	6.30	21	L398799-03	WG418194
n-Butylbenzene	mg/l	0.0699	0.0704	140.	22-151	0.681	29	L398799-03	WG418194
n-Propylbenzene	mg/l	0.0609	0.0666	122.	26-150	8.94	25	L398799-03	WG418194
Naphthalene	mg/l	0.0740	0.0626	148.	24-160	16.7	37	L398799-03	WG418194
o-Xylene	mg/l	0.0591	0.0631	118.	32-151	6.42	23	L398799-03	WG418194
p-Isopropyltoluene	mg/l	0.0652	0.0690	130.	28-151	5.66	27	L398799-03	WG418194
sec-Butylbenzene	mg/l	0.0662	0.0711	132.	32-149	7.01	26	L398799-03	WG418194
Styrene	mg/l	0.0649	0.0652	130.	38-149	0.522	23	L398799-03	WG418194
tert-Butylbenzene	mg/l	0.0649	0.0718	130.	36-149	10.0	26	L398799-03	WG418194
Tetrachloroethene	mg/l	0.0616	0.0638	123.	13-157	3.48	24	L398799-03	WG418194
Toluene	mg/l	0.0656	0.0630	131.	22-152	3.90	22	L398799-03	WG418194

* Performance of this Analyte is outside of established criteria.
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Chan Bryant
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L398728

April 23, 2009

Analyte	Units	Matrix Spike MSD	Ref	Duplicate %Rec	Limit	RPD	Limit	Ref Samp	Batch
trans-1,2-Dichloroethene	mg/l	0.0632	0.0639	126.	11-160	1.12	23	L398799-03	WG418194
Trichloroethene	mg/l	0.0612	0.0601	122.	18-163	1.92	21	L398799-03	WG418194
Trichlorofluoromethane	mg/l	0.0655	0.0631	131.	10-177	3.61	24	L398799-03	WG418194
Vinyl chloride	mg/l	0.0617	0.0628	123.	0-179	1.65	26	L398799-03	WG418194
4-Bromofluorobenzene				101.1	75-128				WG418194
Dibromofluoromethane				100.5	79-125				WG418194
Toluene-d8				103.6	87-114				WG418194
a,a,a-Trifluorotoluene				100.9	84-114				WG418194
Arsenic	mg/l	1.00	1.03	100.	75-125	2.96	20	L398728-04	WG418146
Barium	mg/l	1.14	1.14	102.	75-125	0.00	20	L398728-04	WG418146
Cadmium	mg/l	1.03	1.04	103.	75-125	0.966	20	L398728-04	WG418146
Chromium	mg/l	0.970	0.991	97.0	75-125	2.14	20	L398728-04	WG418146
Lead	mg/l	1.00	1.02	100.	75-125	1.98	20	L398728-04	WG418146
Selenium	mg/l	1.05	1.04	105.	75-125	0.957	20	L398728-04	WG418146
Silver	mg/l	0.992	0.968	99.2	75-125	2.45	20	L398728-04	WG418146

Batch number /Run number / Sample number cross reference

WG418074: R715972: L398728-01 02 03 04
WG418066: R716026: L398728-01 02 03 04
WG418027: R716186: L398728-01 02 03
WG418079: R716267: L398728-01 02 03 04
WG418194: R716453: L398728-04
WG418146: R716589: L398728-01 02 03 04

* * Calculations are performed prior to rounding of reported values .
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Quality Assurance Report
Level II

L398728

April 23, 2009

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Withers & Ravenel Eng.
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Cary, NC 27511

Alternate billing information:
(Circle One)
WITHRAV - State Lead
WITHRAVR - Trustfund
WITHRAVD - DSCA
WITHRAVS - Standard

Report to: Chan Bryant
Email to: @withersravenel.com

Project Description: Hanesbrands Ph. II
City/Sate Collected:
Phone: 919-469-3340
FAX: 919-467-6008
Client Project #: 02090145
ESC Key:
Collected by: TJ Murray
Site/Facility ID#:
P.O.#:
Collected by (signature):
Packed on Ice N Y
Rush? (Lab MUST Be Notified)
____ Same Day.....200%
____ Next Day.....100%
____ Two Day.....50%
Date Results Needed: 4/27/09
Email? __No__Yes
FAX? __No__Yes

Analysis/Container/Preservative

Chain of Custody
Page ___ of ___

Prepared by: E189

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FAX (615) 758-5859

CoCode (lab use only)
Template/Prelogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	VOCs (6200B) - HCl preserv.	RCRA Metals (6010 + 7470A) HNO3 preserv.	TSS (160.2)	Chlorides (9056)				Remarks/Contaminant	Sample # (lab only)
W5	—	GW	—	4/20/09	1415	5	X	X	X	X					L398728-01
W6	—	↓	—	↓	1500	↓	X	X	X	X					-02
W9	—	↓	—	↓	1545	↓	X	X	X	X					-03
W10	—	↓	—	↓	1520	↓	X	X	X	X					-04

*Matrix SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____

Remarks:

Flow _____ Other _____

Relinquished by: (Signature)	Date: 4/21/09	Time: 1514	Received by: (Signature) Brent Rader	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☒ SWA	Condition: (lab use only) OK
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.1°C / Bottles Received: 20	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) Jesy Pinky	Date: 4-22-09 / Time: 0745	pH Checked: <2 / NCF:

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111 MacKenan Drive

Cary, NC 27511

Report Summary

Monday April 27, 2009

Report Number: L398973
Samples Received: 04/23/09
Client Project: 02090145

Description: Hanes Brands Ph. II

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140
NJ - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 27,2009

ESC Sample # : L398973-01

Date Received : April 23, 2009
Description : Hanes Brands Ph. II

Site ID :

Sample ID : W1

Project # : 02090145

Collected By : TJ Murray
Collection Date : 04/21/09 13:40

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	63000	1000	ug/l	9056	04/23/09	1
Suspended Solids	12000	1000	ug/l	2540D	04/23/09	1
Mercury	BDL	0.20	ug/l	7470A	04/23/09	1
Arsenic	BDL	20.	ug/l	6010B	04/24/09	1
Barium	230	5.0	ug/l	6010B	04/24/09	1
Cadmium	BDL	5.0	ug/l	6010B	04/24/09	1
Chromium	BDL	10.	ug/l	6010B	04/24/09	1
Lead	BDL	5.0	ug/l	6010B	04/24/09	1
Selenium	BDL	20.	ug/l	6010B	04/24/09	1
Silver	BDL	10.	ug/l	6010B	04/24/09	1
Volatile Organics						
Acetone	BDL	50.	ug/l	6200B	04/24/09	1
Acrolein	BDL	50.	ug/l	6200B	04/24/09	1
Acrylonitrile	BDL	10.	ug/l	6200B	04/24/09	1
Benzene	BDL	1.0	ug/l	6200B	04/24/09	1
Bromobenzene	BDL	1.0	ug/l	6200B	04/24/09	1
Bromodichloromethane	BDL	1.0	ug/l	6200B	04/24/09	1
Bromoform	BDL	1.0	ug/l	6200B	04/24/09	1
Bromomethane	BDL	5.0	ug/l	6200B	04/24/09	1
n-Butylbenzene	BDL	1.0	ug/l	6200B	04/24/09	1
sec-Butylbenzene	BDL	1.0	ug/l	6200B	04/24/09	1
tert-Butylbenzene	BDL	1.0	ug/l	6200B	04/24/09	1
Carbon tetrachloride	BDL	1.0	ug/l	6200B	04/24/09	1
Chlorobenzene	BDL	1.0	ug/l	6200B	04/24/09	1
Chlorodibromomethane	BDL	1.0	ug/l	6200B	04/24/09	1
Chloroethane	BDL	5.0	ug/l	6200B	04/24/09	1
Chloroform	BDL	5.0	ug/l	6200B	04/24/09	1
Chloromethane	BDL	2.5	ug/l	6200B	04/24/09	1
2-Chlorotoluene	BDL	1.0	ug/l	6200B	04/24/09	1
4-Chlorotoluene	BDL	1.0	ug/l	6200B	04/24/09	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	6200B	04/24/09	1
1,2-Dibromoethane	BDL	1.0	ug/l	6200B	04/24/09	1
Dibromomethane	BDL	1.0	ug/l	6200B	04/24/09	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/24/09	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/24/09	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/24/09	1
Dichlorodifluoromethane	BDL	5.0	ug/l	6200B	04/24/09	1
1,1-Dichloroethane	BDL	1.0	ug/l	6200B	04/24/09	1
1,2-Dichloroethane	BDL	1.0	ug/l	6200B	04/24/09	1
1,1-Dichloroethene	BDL	1.0	ug/l	6200B	04/24/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 27,2009

ESC Sample # : L398973-01

Date Received : April 23, 2009
Description : Hanes Brands Ph. II

Site ID :

Sample ID : W1

Project # : 02090145

Collected By : TJ Murray
Collection Date : 04/21/09 13:40

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
cis-1,2-Dichloroethene	BDL	1.0	ug/l	6200B	04/24/09	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	6200B	04/24/09	1
1,2-Dichloropropane	BDL	1.0	ug/l	6200B	04/24/09	1
1,1-Dichloropropene	BDL	1.0	ug/l	6200B	04/24/09	1
1,3-Dichloropropane	BDL	1.0	ug/l	6200B	04/24/09	1
2,2-Dichloropropane	BDL	1.0	ug/l	6200B	04/24/09	1
Di-isopropyl ether	BDL	1.0	ug/l	6200B	04/24/09	1
Ethylbenzene	BDL	1.0	ug/l	6200B	04/24/09	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	6200B	04/24/09	1
Isopropylbenzene	BDL	1.0	ug/l	6200B	04/24/09	1
p-Isopropyltoluene	BDL	1.0	ug/l	6200B	04/24/09	1
2-Butanone (MEK)	BDL	10.	ug/l	6200B	04/24/09	1
Methylene Chloride	BDL	5.0	ug/l	6200B	04/24/09	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	6200B	04/24/09	1
Methyl tert-butyl ether	BDL	1.0	ug/l	6200B	04/24/09	1
Naphthalene	BDL	5.0	ug/l	6200B	04/24/09	1
n-Propylbenzene	BDL	1.0	ug/l	6200B	04/24/09	1
Styrene	BDL	1.0	ug/l	6200B	04/24/09	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	6200B	04/24/09	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	6200B	04/24/09	1
Tetrachloroethene	BDL	1.0	ug/l	6200B	04/24/09	1
Toluene	BDL	5.0	ug/l	6200B	04/24/09	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	6200B	04/24/09	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	6200B	04/24/09	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	6200B	04/24/09	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	6200B	04/24/09	1
Trichloroethene	BDL	1.0	ug/l	6200B	04/24/09	1
Trichlorofluoromethane	BDL	5.0	ug/l	6200B	04/24/09	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	6200B	04/24/09	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l	6200B	04/24/09	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l	6200B	04/24/09	1
Vinyl chloride	BDL	1.0	ug/l	6200B	04/24/09	1
o-Xylene	BDL	1.0	ug/l	6200B	04/24/09	1
m&p-Xylenes	BDL	2.0	ug/l	6200B	04/24/09	1
Surrogate Recovery						
Toluene-d8	97.2		% Rec.	6200B	04/24/09	1
Dibromofluoromethane	89.1		% Rec.	6200B	04/24/09	1
a,a,a-Trifluorotoluene	100.		% Rec.	6200B	04/24/09	1
4-Bromofluorobenzene	101.		% Rec.	6200B	04/24/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 04/27/09 12:24 Printed: 04/27/09 12:24

ENVIRONMENTAL
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 27,2009

ESC Sample # : L398973-02

Date Received : April 23, 2009
Description : Hanes Brands Ph. II

Site ID :

Sample ID : W4

Project # : 02090145

Collected By : TJ Murray
Collection Date : 04/21/09 12:10

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	160000	1000	ug/l	9056	04/23/09	1
Suspended Solids	130000	1000	ug/l	2540D	04/23/09	1
Mercury	BDL	0.20	ug/l	7470A	04/23/09	1
Arsenic	BDL	20.	ug/l	6010B	04/24/09	1
Barium	1200	5.0	ug/l	6010B	04/24/09	1
Cadmium	BDL	5.0	ug/l	6010B	04/24/09	1
Chromium	BDL	10.	ug/l	6010B	04/24/09	1
Lead	7.6	5.0	ug/l	6010B	04/24/09	1
Selenium	BDL	20.	ug/l	6010B	04/24/09	1
Silver	BDL	10.	ug/l	6010B	04/24/09	1
Volatile Organics						
Acetone	BDL	50.	ug/l	6200B	04/24/09	1
Acrolein	BDL	50.	ug/l	6200B	04/24/09	1
Acrylonitrile	BDL	10.	ug/l	6200B	04/24/09	1
Benzene	1.8	1.0	ug/l	6200B	04/24/09	1
Bromobenzene	BDL	1.0	ug/l	6200B	04/24/09	1
Bromodichloromethane	BDL	1.0	ug/l	6200B	04/24/09	1
Bromoform	BDL	1.0	ug/l	6200B	04/24/09	1
Bromomethane	BDL	5.0	ug/l	6200B	04/24/09	1
n-Butylbenzene	BDL	1.0	ug/l	6200B	04/24/09	1
sec-Butylbenzene	BDL	1.0	ug/l	6200B	04/24/09	1
tert-Butylbenzene	BDL	1.0	ug/l	6200B	04/24/09	1
Carbon tetrachloride	BDL	1.0	ug/l	6200B	04/24/09	1
Chlorobenzene	BDL	1.0	ug/l	6200B	04/24/09	1
Chlorodibromomethane	BDL	1.0	ug/l	6200B	04/24/09	1
Chloroethane	BDL	5.0	ug/l	6200B	04/24/09	1
Chloroform	BDL	5.0	ug/l	6200B	04/24/09	1
Chloromethane	BDL	2.5	ug/l	6200B	04/24/09	1
2-Chlorotoluene	BDL	1.0	ug/l	6200B	04/24/09	1
4-Chlorotoluene	BDL	1.0	ug/l	6200B	04/24/09	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l	6200B	04/24/09	1
1,2-Dibromoethane	BDL	1.0	ug/l	6200B	04/24/09	1
Dibromomethane	BDL	1.0	ug/l	6200B	04/24/09	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/24/09	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/24/09	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	6200B	04/24/09	1
Dichlorodifluoromethane	BDL	5.0	ug/l	6200B	04/24/09	1
1,1-Dichloroethane	BDL	1.0	ug/l	6200B	04/24/09	1
1,2-Dichloroethane	BDL	1.0	ug/l	6200B	04/24/09	1
1,1-Dichloroethene	BDL	1.0	ug/l	6200B	04/24/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Chan Bryant
Withers & Ravenel Eng. - Standard
111 MacKenan Drive
Cary, NC 27511

April 27,2009

ESC Sample # : L398973-02

Date Received : April 23, 2009
Description : Hanes Brands Ph. II

Site ID :

Sample ID : W4

Project # : 02090145

Collected By : TJ Murray
Collection Date : 04/21/09 12:10

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
cis-1,2-Dichloroethene	BDL	1.0	ug/l	6200B	04/24/09	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	6200B	04/24/09	1
1,2-Dichloropropane	BDL	1.0	ug/l	6200B	04/24/09	1
1,1-Dichloropropene	BDL	1.0	ug/l	6200B	04/24/09	1
1,3-Dichloropropane	BDL	1.0	ug/l	6200B	04/24/09	1
2,2-Dichloropropane	BDL	1.0	ug/l	6200B	04/24/09	1
Di-isopropyl ether	BDL	1.0	ug/l	6200B	04/24/09	1
Ethylbenzene	BDL	1.0	ug/l	6200B	04/24/09	1
Hexachloro-1,3-butadiene	BDL	1.0	ug/l	6200B	04/24/09	1
Isopropylbenzene	2.9	1.0	ug/l	6200B	04/24/09	1
p-Isopropyltoluene	1.1	1.0	ug/l	6200B	04/24/09	1
2-Butanone (MEK)	BDL	10.	ug/l	6200B	04/24/09	1
Methylene Chloride	BDL	5.0	ug/l	6200B	04/24/09	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l	6200B	04/24/09	1
Methyl tert-butyl ether	BDL	1.0	ug/l	6200B	04/24/09	1
Naphthalene	43.	5.0	ug/l	6200B	04/24/09	1
n-Propylbenzene	BDL	1.0	ug/l	6200B	04/24/09	1
Styrene	BDL	1.0	ug/l	6200B	04/24/09	1
1,1,1,2-Tetrachloroethane	BDL	1.0	ug/l	6200B	04/24/09	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	6200B	04/24/09	1
Tetrachloroethene	BDL	1.0	ug/l	6200B	04/24/09	1
Toluene	BDL	5.0	ug/l	6200B	04/24/09	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l	6200B	04/24/09	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l	6200B	04/24/09	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	6200B	04/24/09	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	6200B	04/24/09	1
Trichloroethene	BDL	1.0	ug/l	6200B	04/24/09	1
Trichlorofluoromethane	BDL	5.0	ug/l	6200B	04/24/09	1
1,2,3-Trichloropropane	BDL	1.0	ug/l	6200B	04/24/09	1
1,2,4-Trimethylbenzene	26.	1.0	ug/l	6200B	04/24/09	1
1,3,5-Trimethylbenzene	13.	1.0	ug/l	6200B	04/24/09	1
Vinyl chloride	BDL	1.0	ug/l	6200B	04/24/09	1
o-Xylene	19.	1.0	ug/l	6200B	04/24/09	1
m&p-Xylenes	7.8	2.0	ug/l	6200B	04/24/09	1
Surrogate Recovery						
Toluene-d8	93.5		% Rec.	6200B	04/24/09	1
Dibromofluoromethane	96.7		% Rec.	6200B	04/24/09	1
a,a,a-Trifluorotoluene	98.2		% Rec.	6200B	04/24/09	1
4-Bromofluorobenzene	102.		% Rec.	6200B	04/24/09	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 04/27/09 12:24 Printed: 04/27/09 12:24

Summary of Remarks For Samples Printed
04/27/09 at 12:24:36

TSR Signing Reports: 134
R5 - Desired TAT

Sample: L398973-01 Account: WITHRAVS Received: 04/23/09 07:45 Due Date: 04/28/09 00:00 RPT Date: 04/27/09 12:24

Sample: L398973-02 Account: WITHRAVS Received: 04/23/09 07:45 Due Date: 04/28/09 00:00 RPT Date: 04/27/09 12:24

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Withers & Ravenel Eng. - Standard
Chan Bryant
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L398973

April 27, 2009

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Mercury	< .0002	mg/l			WG418273	04/23/09 21:05
Chloride	< 1	mg/l			WG418271	04/23/09 10:54
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG418430	04/24/09 01:34
1,1,1-Trichloroethane	< .001	mg/l			WG418430	04/24/09 01:34
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG418430	04/24/09 01:34
1,1,2-Trichloroethane	< .001	mg/l			WG418430	04/24/09 01:34
1,1-Dichloroethane	< .001	mg/l			WG418430	04/24/09 01:34
1,1-Dichloroethene	< .001	mg/l			WG418430	04/24/09 01:34
1,1-Dichloropropene	< .001	mg/l			WG418430	04/24/09 01:34
1,2,3-Trichlorobenzene	< .001	mg/l			WG418430	04/24/09 01:34
1,2,3-Trichloropropane	< .001	mg/l			WG418430	04/24/09 01:34
1,2,4-Trichlorobenzene	< .001	mg/l			WG418430	04/24/09 01:34
1,2,4-Trimethylbenzene	< .001	mg/l			WG418430	04/24/09 01:34
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG418430	04/24/09 01:34
1,2-Dibromoethane	< .001	mg/l			WG418430	04/24/09 01:34
1,2-Dichlorobenzene	< .001	mg/l			WG418430	04/24/09 01:34
1,2-Dichloroethane	< .001	mg/l			WG418430	04/24/09 01:34
1,2-Dichloropropane	< .001	mg/l			WG418430	04/24/09 01:34
1,3,5-Trimethylbenzene	< .001	mg/l			WG418430	04/24/09 01:34
1,3-Dichlorobenzene	< .001	mg/l			WG418430	04/24/09 01:34
1,3-Dichloropropane	< .001	mg/l			WG418430	04/24/09 01:34
1,4-Dichlorobenzene	< .001	mg/l			WG418430	04/24/09 01:34
2,2-Dichloropropane	< .001	mg/l			WG418430	04/24/09 01:34
2-Butanone (MEK)	< .01	mg/l			WG418430	04/24/09 01:34
2-Chlorotoluene	< .001	mg/l			WG418430	04/24/09 01:34
4-Chlorotoluene	< .001	mg/l			WG418430	04/24/09 01:34
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG418430	04/24/09 01:34
Acetone	< .05	mg/l			WG418430	04/24/09 01:34
Acrolein	< .05	mg/l			WG418430	04/24/09 01:34
Acrylonitrile	< .01	mg/l			WG418430	04/24/09 01:34
Benzene	< .001	mg/l			WG418430	04/24/09 01:34
Bromobenzene	< .001	mg/l			WG418430	04/24/09 01:34
Bromodichloromethane	< .001	mg/l			WG418430	04/24/09 01:34
Bromoform	< .001	mg/l			WG418430	04/24/09 01:34
Bromomethane	< .005	mg/l			WG418430	04/24/09 01:34
Carbon tetrachloride	< .001	mg/l			WG418430	04/24/09 01:34
Chlorobenzene	< .001	mg/l			WG418430	04/24/09 01:34
Chlorodibromomethane	< .001	mg/l			WG418430	04/24/09 01:34
Chloroethane	< .001	mg/l			WG418430	04/24/09 01:34
Chloroform	< .005	mg/l			WG418430	04/24/09 01:34
Chloromethane	< .001	mg/l			WG418430	04/24/09 01:34
cis-1,2-Dichloroethene	< .001	mg/l			WG418430	04/24/09 01:34
Di-isopropyl ether	< .001	mg/l			WG418430	04/24/09 01:34
Dibromomethane	< .001	mg/l			WG418430	04/24/09 01:34
Dichlorodifluoromethane	< .005	mg/l			WG418430	04/24/09 01:34
Ethylbenzene	< .001	mg/l			WG418430	04/24/09 01:34
Hexachloro-1,3-butadiene	< .001	mg/l			WG418430	04/24/09 01:34
Isopropylbenzene	< .001	mg/l			WG418430	04/24/09 01:34
m&p-Xylenes	< .002	mg/l			WG418430	04/24/09 01:34
Methyl tert-butyl ether	< .001	mg/l			WG418430	04/24/09 01:34
Methylene Chloride	< .005	mg/l			WG418430	04/24/09 01:34
n-Butylbenzene	< .001	mg/l			WG418430	04/24/09 01:34
n-Propylbenzene	< .001	mg/l			WG418430	04/24/09 01:34
Naphthalene	< .005	mg/l			WG418430	04/24/09 01:34
o-Xylene	< .001	mg/l			WG418430	04/24/09 01:34

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Withers & Ravenel Eng. - Standard
Chan Bryant
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L398973

April 27, 2009

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
p-Isopropyltoluene	< .001	mg/l			WG418430	04/24/09 01:34
sec-Butylbenzene	< .001	mg/l			WG418430	04/24/09 01:34
Styrene	< .001	mg/l			WG418430	04/24/09 01:34
tert-Butylbenzene	< .001	mg/l			WG418430	04/24/09 01:34
Tetrachloroethene	< .001	mg/l			WG418430	04/24/09 01:34
Toluene	< .005	mg/l			WG418430	04/24/09 01:34
trans-1,2-Dichloroethene	< .001	mg/l			WG418430	04/24/09 01:34
Trichloroethene	< .001	mg/l			WG418430	04/24/09 01:34
Trichlorofluoromethane	< .005	mg/l			WG418430	04/24/09 01:34
Vinyl chloride	< .001	mg/l			WG418430	04/24/09 01:34
4-Bromofluorobenzene		% Rec.	102.0	75-128	WG418430	04/24/09 01:34
Dibromofluoromethane		% Rec.	95.22	79-125	WG418430	04/24/09 01:34
Toluene-d8		% Rec.	95.17	87-114	WG418430	04/24/09 01:34
a,a,a-Trifluorotoluene		% Rec.	100.1	84-114	WG418430	04/24/09 01:34
Suspended Solids	< 1	mg/l			WG418292	04/23/09 14:23
Arsenic	< .02	mg/l			WG418285	04/24/09 17:10
Barium	< .005	mg/l			WG418285	04/24/09 17:10
Cadmium	< .005	mg/l			WG418285	04/24/09 17:10
Chromium	< .01	mg/l			WG418285	04/24/09 17:10
Lead	< .005	mg/l			WG418285	04/24/09 17:10
Selenium	< .02	mg/l			WG418285	04/24/09 17:10
Silver	< .01	mg/l			WG418285	04/24/09 17:10
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG418516	04/24/09 14:56
1,1,1-Trichloroethane	< .001	mg/l			WG418516	04/24/09 14:56
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG418516	04/24/09 14:56
1,1,2-Trichloroethane	< .001	mg/l			WG418516	04/24/09 14:56
1,1-Dichloroethane	< .001	mg/l			WG418516	04/24/09 14:56
1,1-Dichloroethene	< .001	mg/l			WG418516	04/24/09 14:56
1,1-Dichloropropene	< .001	mg/l			WG418516	04/24/09 14:56
1,2,3-Trichlorobenzene	< .001	mg/l			WG418516	04/24/09 14:56
1,2,3-Trichloropropane	< .001	mg/l			WG418516	04/24/09 14:56
1,2,4-Trichlorobenzene	< .001	mg/l			WG418516	04/24/09 14:56
1,2,4-Trimethylbenzene	< .001	mg/l			WG418516	04/24/09 14:56
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG418516	04/24/09 14:56
1,2-Dibromoethane	< .001	mg/l			WG418516	04/24/09 14:56
1,2-Dichlorobenzene	< .001	mg/l			WG418516	04/24/09 14:56
1,2-Dichloroethane	< .001	mg/l			WG418516	04/24/09 14:56
1,2-Dichloropropane	< .001	mg/l			WG418516	04/24/09 14:56
1,3,5-Trimethylbenzene	< .001	mg/l			WG418516	04/24/09 14:56
1,3-Dichlorobenzene	< .001	mg/l			WG418516	04/24/09 14:56
1,3-Dichloropropane	< .001	mg/l			WG418516	04/24/09 14:56
1,4-Dichlorobenzene	< .001	mg/l			WG418516	04/24/09 14:56
2,2-Dichloropropane	< .001	mg/l			WG418516	04/24/09 14:56
2-Butanone (MEK)	< .01	mg/l			WG418516	04/24/09 14:56
2-Chlorotoluene	< .001	mg/l			WG418516	04/24/09 14:56
4-Chlorotoluene	< .001	mg/l			WG418516	04/24/09 14:56
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG418516	04/24/09 14:56
Acetone	< .05	mg/l			WG418516	04/24/09 14:56
Acrolein	< .05	mg/l			WG418516	04/24/09 14:56
Acrylonitrile	< .01	mg/l			WG418516	04/24/09 14:56
Benzene	< .001	mg/l			WG418516	04/24/09 14:56
Bromobenzene	< .001	mg/l			WG418516	04/24/09 14:56
Bromodichloromethane	< .001	mg/l			WG418516	04/24/09 14:56

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Cary, NC 27511

Quality Assurance Report
Level II

L398973

April 27, 2009

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Bromoform	< .001	mg/l			WG418516	04/24/09 14:56
Bromomethane	< .005	mg/l			WG418516	04/24/09 14:56
Carbon tetrachloride	< .001	mg/l			WG418516	04/24/09 14:56
Chlorobenzene	< .001	mg/l			WG418516	04/24/09 14:56
Chlorodibromomethane	< .001	mg/l			WG418516	04/24/09 14:56
Chloroethane	< .001	mg/l			WG418516	04/24/09 14:56
Chloroform	< .005	mg/l			WG418516	04/24/09 14:56
Chloromethane	< .001	mg/l			WG418516	04/24/09 14:56
cis-1,2-Dichloroethene	< .001	mg/l			WG418516	04/24/09 14:56
Di-isopropyl ether	< .001	mg/l			WG418516	04/24/09 14:56
Dibromomethane	< .001	mg/l			WG418516	04/24/09 14:56
Dichlorodifluoromethane	< .005	mg/l			WG418516	04/24/09 14:56
Ethylbenzene	< .001	mg/l			WG418516	04/24/09 14:56
Hexachloro-1,3-butadiene	< .001	mg/l			WG418516	04/24/09 14:56
Isopropylbenzene	< .001	mg/l			WG418516	04/24/09 14:56
m&p-Xylenes	< .002	mg/l			WG418516	04/24/09 14:56
Methyl tert-butyl ether	< .001	mg/l			WG418516	04/24/09 14:56
Methylene Chloride	< .005	mg/l			WG418516	04/24/09 14:56
n-Butylbenzene	< .001	mg/l			WG418516	04/24/09 14:56
n-Propylbenzene	< .001	mg/l			WG418516	04/24/09 14:56
Naphthalene	< .005	mg/l			WG418516	04/24/09 14:56
o-Xylene	< .001	mg/l			WG418516	04/24/09 14:56
p-Isopropyltoluene	< .001	mg/l			WG418516	04/24/09 14:56
sec-Butylbenzene	< .001	mg/l			WG418516	04/24/09 14:56
Styrene	< .001	mg/l			WG418516	04/24/09 14:56
tert-Butylbenzene	< .001	mg/l			WG418516	04/24/09 14:56
Tetrachloroethene	< .001	mg/l			WG418516	04/24/09 14:56
Toluene	< .005	mg/l			WG418516	04/24/09 14:56
trans-1,2-Dichloroethene	< .001	mg/l			WG418516	04/24/09 14:56
Trichloroethene	< .001	mg/l			WG418516	04/24/09 14:56
Trichlorofluoromethane	< .005	mg/l			WG418516	04/24/09 14:56
Vinyl chloride	< .001	mg/l			WG418516	04/24/09 14:56
4-Bromofluorobenzene		% Rec.	103.6	75-128	WG418516	04/24/09 14:56
Dibromofluoromethane		% Rec.	87.26	79-125	WG418516	04/24/09 14:56
Toluene-d8		% Rec.	96.71	87-114	WG418516	04/24/09 14:56
a,a,a-Trifluorotoluene		% Rec.	100.2	84-114	WG412516	04/24/09 14:56

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Mercury	mg/l	0.00	0.00	0.00	20	L398935-02	WG418273
Chloride	mg/l	2.91	3.10	6.32	20	L398953-06	WG418271
Chloride	mg/l	19.4	19.4	0.00	20	L398992-01	WG418271
Suspended Solids	mg/l	3.75	3.80	1.32	5	L398745-01	WG418292
Suspended Solids	mg/l	7.00	7.00	0.00	5	L398818-01	WG418292
Arsenic	mg/l	0.00	0.00	0.00	20	L398979-04	WG418285
Barium	mg/l	0.0499	0.0490	1.82	20	L398979-04	WG418285
Cadmium	mg/l	0.00	0.00	0.00	20	L398979-04	WG418285
Chromium	mg/l	0.00	0.00	0.00	20	L398979-04	WG418285
Lead	mg/l	0.00	0.00	0.00	20	L398979-04	WG418285
Selenium	mg/l	0.00	0.00	0.00	20	L398979-04	WG418285
Silver	mg/l	0.00	0.00	0.00	20	L398979-04	WG418285

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Quality Assurance Report
Level II

L398973

April 27, 2009

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Mercury	mg/l	.003	0.00298	99.3	85-115	WG418273
Chloride	mg/l	40	40.0	100.	90-110	WG418271
1,1,1,2-Tetrachloroethane	mg/l	.05	0.0611	122.	75-134	WG418430
1,1,1-Trichloroethane	mg/l	.05	0.0563	113.	67-137	WG418430
1,1,2,2-Tetrachloroethane	mg/l	.05	0.0541	108.	72-128	WG418430
1,1,2-Trichloroethane	mg/l	.05	0.0569	114.	79-123	WG418430
1,1-Dichloroethane	mg/l	.05	0.0512	102.	67-133	WG418430
1,1-Dichloroethene	mg/l	.05	0.0548	110.	60-130	WG418430
1,1-Dichloropropene	mg/l	.05	0.0504	101.	68-132	WG418430
1,2,3-Trichlorobenzene	mg/l	.05	0.0555	111.	63-138	WG418430
1,2,3-Trichloropropane	mg/l	.05	0.0600	120.	68-130	WG418430
1,2,4-Trichlorobenzene	mg/l	.05	0.0567	113.	65-137	WG418430
1,2,4-Trimethylbenzene	mg/l	.05	0.0602	120.	72-135	WG418430
1,2-Dibromo-3-Chloropropane	mg/l	.05	0.0533	107.	55-134	WG418430
1,2-Dibromoethane	mg/l	.05	0.0590	118.	75-126	WG418430
1,2-Dichlorobenzene	mg/l	.05	0.0554	111.	75-122	WG418430
1,2-Dichloroethane	mg/l	.05	0.0543	109.	63-137	WG418430
1,2-Dichloropropane	mg/l	.05	0.0491	98.1	74-122	WG418430
1,3,5-Trimethylbenzene	mg/l	.05	0.0600	120.	73-134	WG418430
1,3-Dichlorobenzene	mg/l	.05	0.0578	116.	73-131	WG418430
1,3-Dichloropropane	mg/l	.05	0.0556	111.	77-119	WG418430
1,4-Dichlorobenzene	mg/l	.05	0.0545	109.	70-121	WG418430
2,2-Dichloropropane	mg/l	.05	0.0534	107.	46-151	WG418430
2-Butanone (MEK)	mg/l	.25	0.249	99.8	53-132	WG418430
2-Chlorotoluene	mg/l	.05	0.0589	118.	74-128	WG418430
4-Chlorotoluene	mg/l	.05	0.0571	114.	74-130	WG418430
4-Methyl-2-pentanone (MIBK)	mg/l	.25	0.246	98.3	60-142	WG418430
Acetone	mg/l	.25	0.250	99.8	48-134	WG418430
Acrolein	mg/l	.25	0.204	81.6	6-182	WG418430
Acrylonitrile	mg/l	.25	0.234	93.7	60-140	WG418430
Benzene	mg/l	.05	0.0481	96.3	67-126	WG418430
Bromobenzene	mg/l	.05	0.0593	119.	76-123	WG418430
Bromodichloromethane	mg/l	.05	0.0580	116.	68-133	WG418430
Bromoform	mg/l	.05	0.0627	125.	60-139	WG418430
Bromomethane	mg/l	.05	0.0505	101.	45-175	WG418430
Carbon tetrachloride	mg/l	.05	0.0546	109.	64-141	WG418430
Chlorobenzene	mg/l	.05	0.0583	117.	77-125	WG418430
Chlorodibromomethane	mg/l	.05	0.0625	125.	73-138	WG418430
Chloroethane	mg/l	.05	0.0509	102.	49-155	WG418430
Chloroform	mg/l	.05	0.0524	105.	66-126	WG418430
Chloromethane	mg/l	.05	0.0447	89.5	45-152	WG418430
cis-1,2-Dichloroethene	mg/l	.05	0.0522	104.	72-128	WG418430
Di-isopropyl ether	mg/l	.05	0.0501	100.	63-139	WG418430
Dibromomethane	mg/l	.05	0.0543	109.	73-125	WG418430
Dichlorodifluoromethane	mg/l	.05	0.0603	121.	39-189	WG418430
Ethylbenzene	mg/l	.05	0.0592	118.	76-129	WG418430
Hexachloro-1,3-butadiene	mg/l	.05	0.0558	112.	67-135	WG418430
Isopropylbenzene	mg/l	.05	0.0608	122.	73-132	WG418430
m&p-Xylenes	mg/l	.1	0.115	115.	74-128	WG418430
Methyl tert-butyl ether	mg/l	.05	0.0519	104.	51-142	WG418430
Methylene Chloride	mg/l	.05	0.0454	90.8	64-125	WG418430
n-Butylbenzene	mg/l	.05	0.0576	115.	63-142	WG418430
n-Propylbenzene	mg/l	.05	0.0575	115.	71-132	WG418430
Naphthalene	mg/l	.05	0.0524	105.	56-145	WG418430
o-Xylene	mg/l	.05	0.0586	117.	78-128	WG418430
p-Isopropyltoluene	mg/l	.05	0.0607	121.	68-138	WG418430

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Quality Assurance Report
Level II

L398973

April 27, 2009

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
sec-Butylbenzene	mg/l	.05	0.0594	119.	70-135	WG418430
Styrene	mg/l	.05	0.0593	119.	78-130	WG418430
tert-Butylbenzene	mg/l	.05	0.0604	121.	72-134	WG418430
Tetrachloroethene	mg/l	.05	0.0600	120.	67-135	WG418430
Toluene	mg/l	.05	0.0514	103.	72-122	WG418430
trans-1,2-Dichloroethene	mg/l	.05	0.0539	108.	67-129	WG418430
Trichloroethene	mg/l	.05	0.0543	109.	74-126	WG418430
Trichlorofluoromethane	mg/l	.05	0.0567	113.	54-156	WG418430
Vinyl chloride	mg/l	.05	0.0502	100.	55-153	WG418430
4-Bromofluorobenzene				102.7	75-128	WG418430
Dibromofluoromethane				99.39	79-125	WG418430
Toluene-d8				95.93	87-114	WG418430
a,a,a-Trifluorotoluene				102.1	84-114	WG418430
Suspended Solids	mg/l	778	784.	101.	85-115	WG418292
Arsenic	mg/l	1.13	1.08	95.6	85-115	WG418285
Barium	mg/l	1.13	1.17	104.	85-115	WG418285
Cadmium	mg/l	1.13	1.18	104.	85-115	WG418285
Chromium	mg/l	1.13	1.08	95.6	85-115	WG418285
Lead	mg/l	1.13	1.12	99.1	85-115	WG418285
Selenium	mg/l	1.13	1.23	109.	85-115	WG418285
Silver	mg/l	1.13	1.13	100.	85-115	WG418285
1,1,1,2-Tetrachloroethane	mg/l	.05	0.0548	110.	75-134	WG418516
1,1,1-Trichloroethane	mg/l	.05	0.0458	91.6	67-137	WG418516
1,1,2,2-Tetrachloroethane	mg/l	.05	0.0517	103.	72-128	WG418516
1,1,2-Trichloroethane	mg/l	.05	0.0506	101.	79-123	WG418516
1,1-Dichloroethane	mg/l	.05	0.0440	88.1	67-133	WG418516
1,1-Dichloroethene	mg/l	.05	0.0430	86.0	60-130	WG418516
1,1-Dichloropropene	mg/l	.05	0.0428	85.6	68-132	WG418516
1,2,3-Trichlorobenzene	mg/l	.05	0.0443	88.7	63-138	WG418516
1,2,3-Trichloropropane	mg/l	.05	0.0531	106.	68-130	WG418516
1,2,4-Trichlorobenzene	mg/l	.05	0.0437	87.3	65-137	WG418516
1,2,4-Trimethylbenzene	mg/l	.05	0.0514	103.	72-135	WG418516
1,2-Dibromo-3-Chloropropane	mg/l	.05	0.0425	84.9	55-134	WG418516
1,2-Dibromoethane	mg/l	.05	0.0518	104.	75-126	WG418516
1,2-Dichlorobenzene	mg/l	.05	0.0473	94.5	75-122	WG418516
1,2-Dichloroethane	mg/l	.05	0.0472	94.4	63-137	WG418516
1,2-Dichloropropane	mg/l	.05	0.0470	93.9	74-122	WG418516
1,3,5-Trimethylbenzene	mg/l	.05	0.0525	105.	73-134	WG418516
1,3-Dichlorobenzene	mg/l	.05	0.0524	105.	73-131	WG418516
1,3-Dichloropropane	mg/l	.05	0.0496	99.1	77-119	WG418516
1,4-Dichlorobenzene	mg/l	.05	0.0462	92.3	70-121	WG418516
2,2-Dichloropropane	mg/l	.05	0.0449	89.9	46-151	WG418516
2-Butanone (MEK)	mg/l	.25	0.223	89.1	53-132	WG418516
2-Chlorotoluene	mg/l	.05	0.0506	101.	74-128	WG418516
4-Chlorotoluene	mg/l	.05	0.0501	100.	74-130	WG418516
4-Methyl-2-pentanone (MIBK)	mg/l	.25	0.255	102.	60-142	WG418516
Acetone	mg/l	.25	0.224	89.5	48-134	WG418516
Acrolein	mg/l	.25	0.180	72.1	6-182	WG418516
Acrylonitrile	mg/l	.25	0.226	90.2	60-140	WG418516
Benzene	mg/l	.05	0.0415	83.0	67-126	WG418516
Bromobenzene	mg/l	.05	0.0497	99.4	76-123	WG418516
Bromodichloromethane	mg/l	.05	0.0505	101.	68-133	WG418516
Bromoform	mg/l	.05	0.0584	117.	60-139	WG418516

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April 27, 2009

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Bromomethane	mg/l	.05	0.0564	113.	45-175	WG418516
Carbon tetrachloride	mg/l	.05	0.0449	89.8	64-141	WG418516
Chlorobenzene	mg/l	.05	0.0516	103.	77-125	WG418516
Chlorodibromomethane	mg/l	.05	0.0545	109.	73-138	WG418516
Chloroethane	mg/l	.05	0.0664	133.	49-155	WG418516
Chloroform	mg/l	.05	0.0453	90.6	66-126	WG418516
Chloromethane	mg/l	.05	0.0424	84.9	45-152	WG418516
cis-1,2-Dichloroethene	mg/l	.05	0.0448	89.7	72-128	WG418516
Di-isopropyl ether	mg/l	.05	0.0438	87.7	63-139	WG418516
Dibromomethane	mg/l	.05	0.0498	99.7	73-125	WG418516
Dichlorodifluoromethane	mg/l	.05	0.0505	101.	39-189	WG418516
Ethylbenzene	mg/l	.05	0.0517	103.	76-129	WG418516
Hexachloro-1,3-butadiene	mg/l	.05	0.0474	94.8	67-135	WG418516
Isopropylbenzene	mg/l	.05	0.0522	104.	73-132	WG418516
m&p-Xylenes	mg/l	.1	0.103	103.	74-128	WG418516
Methyl tert-butyl ether	mg/l	.05	0.0431	86.3	51-142	WG418516
Methylene Chloride	mg/l	.05	0.0414	82.8	64-125	WG418516
n-Butylbenzene	mg/l	.05	0.0456	91.2	63-142	WG418516
n-Propylbenzene	mg/l	.05	0.0506	101.	71-132	WG418516
Naphthalene	mg/l	.05	0.0436	87.3	56-145	WG418516
o-Xylene	mg/l	.05	0.0512	102.	78-128	WG418516
p-Isopropyltoluene	mg/l	.05	0.0534	107.	68-138	WG418516
sec-Butylbenzene	mg/l	.05	0.0519	104.	70-135	WG418516
Styrene	mg/l	.05	0.0541	108.	78-130	WG418516
tert-Butylbenzene	mg/l	.05	0.0534	107.	72-134	WG418516
Tetrachloroethene	mg/l	.05	0.0505	101.	67-135	WG418516
Toluene	mg/l	.05	0.0460	92.0	72-122	WG418516
trans-1,2-Dichloroethene	mg/l	.05	0.0424	84.8	67-129	WG418516
Trichloroethene	mg/l	.05	0.0484	96.7	74-126	WG418516
Trichlorofluoromethane	mg/l	.05	0.0519	104.	54-156	WG418516
Vinyl chloride	mg/l	.05	0.0462	92.5	55-153	WG418516
4-Bromofluorobenzene				104.8	75-128	WG418516
Dibromofluoromethane				96.52	79-125	WG418516
Toluene-d8				98.39	87-114	WG418516
a,a,a-Trifluorotoluene				100.3	84-114	WG418516

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Chloride	mg/l	39.9	40.0	100.	90-110	0.250	20	WG418271
1,1,1,2-Tetrachloroethane	mg/l	0.0570	0.0611	114.	75-134	6.93	20	WG418430
1,1,1-Trichloroethane	mg/l	0.0494	0.0563	99.0	67-137	13.2	20	WG418430
1,1,2,2-Tetrachloroethane	mg/l	0.0555	0.0541	111.	72-128	2.49	20	WG418430
1,1,2-Trichloroethane	mg/l	0.0558	0.0569	112.	79-123	1.83	20	WG418430
1,1-Dichloroethane	mg/l	0.0456	0.0512	91.0	67-133	11.6	20	WG418430
1,1-Dichloroethene	mg/l	0.0473	0.0548	95.0	60-130	14.7	20	WG418430
1,1-Dichloropropene	mg/l	0.0456	0.0504	91.0	68-132	9.94	20	WG418430
1,2,3-Trichlorobenzene	mg/l	0.0514	0.0555	103.	63-138	7.78	20	WG418430
1,2,3-Trichloropropane	mg/l	0.0590	0.0600	118.	68-130	1.61	20	WG418430
1,2,4-Trichlorobenzene	mg/l	0.0519	0.0567	104.	65-137	8.81	20	WG418430
1,2,4-Trimethylbenzene	mg/l	0.0577	0.0602	115.	72-135	4.28	20	WG418430
1,2-Dibromo-3-Chloropropane	mg/l	0.0536	0.0533	107.	55-134	0.511	20	WG418430
1,2-Dibromoethane	mg/l	0.0568	0.0590	114.	75-126	3.88	20	WG418430
1,2-Dichlorobenzene	mg/l	0.0503	0.0554	101.	75-122	9.65	20	WG418430
1,2-Dichloroethane	mg/l	0.0494	0.0543	99.0	63-137	9.56	20	WG418430
1,2-Dichloropropane	mg/l	0.0465	0.0491	93.0	74-122	5.31	20	WG418430
1,3,5-Trimethylbenzene	mg/l	0.0570	0.0600	114.	73-134	5.13	20	WG418430

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Tax I.D. 62-0814289

Est. 1970

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Chan Bryant
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L398973

April 27, 2009

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,3-Dichlorobenzene	mg/l	0.0547	0.0578	109.	73-131	5.42	20	WG418430
1,3-Dichloropropane	mg/l	0.0542	0.0556	108.	77-119	2.49	20	WG418430
1,4-Dichlorobenzene	mg/l	0.0509	0.0545	102.	70-121	6.83	20	WG418430
2,2-Dichloropropane	mg/l	0.0489	0.0534	98.0	46-151	8.76	20	WG418430
2-Butanone (MEK)	mg/l	0.237	0.249	95.0	53-132	5.23	20	WG418430
2-Chlorotoluene	mg/l	0.0561	0.0589	112.	74-128	4.90	20	WG418430
4-Chlorotoluene	mg/l	0.0552	0.0571	110.	74-130	3.36	20	WG418430
4-Methyl-2-pentanone (MIBK)	mg/l	0.253	0.246	101.	60-142	2.84	20	WG418430
Acetone	mg/l	0.233	0.250	93.0	48-134	6.68	20	WG418430
Acrolein	mg/l	0.174	0.204	70.0	6-182	15.9	39	WG418430
Acrylonitrile	mg/l	0.213	0.234	85.0	60-140	9.36	20	WG418430
Benzene	mg/l	0.0427	0.0481	85.0	67-126	12.1	20	WG418430
Bromobenzene	mg/l	0.0559	0.0593	112.	76-123	6.00	20	WG418430
Bromodichloromethane	mg/l	0.0542	0.0580	108.	68-133	6.70	20	WG418430
Bromoform	mg/l	0.0614	0.0627	123.	60-139	2.06	20	WG418430
Bromomethane	mg/l	0.0453	0.0505	91.0	45-175	10.9	20	WG418430
Carbon tetrachloride	mg/l	0.0482	0.0546	96.0	64-141	12.5	20	WG418430
Chlorobenzene	mg/l	0.0545	0.0583	109.	77-125	6.76	20	WG418430
Chlorodibromomethane	mg/l	0.0604	0.0625	121.	73-138	3.50	20	WG418430
Chloroethane	mg/l	0.0443	0.0509	89.0	49-155	13.9	20	WG418430
Chloroform	mg/l	0.0465	0.0524	93.0	66-126	11.9	20	WG418430
Chloromethane	mg/l	0.0396	0.0447	79.0	45-152	12.2	20	WG418430
cis-1,2-Dichloroethene	mg/l	0.0452	0.0522	90.0	72-128	14.4	20	WG418430
Di-isopropyl ether	mg/l	0.0454	0.0501	91.0	63-139	9.80	20	WG418430
Dibromomethane	mg/l	0.0522	0.0543	104.	73-125	3.98	20	WG418430
Dichlorodifluoromethane	mg/l	0.0499	0.0603	100.	39-189	18.8	24	WG418430
Ethylbenzene	mg/l	0.0565	0.0592	113.	76-129	4.52	20	WG418430
Hexachloro-1,3-butadiene	mg/l	0.0505	0.0558	101.	67-135	10.1	20	WG418430
Isopropylbenzene	mg/l	0.0574	0.0608	115.	73-132	5.71	20	WG418430
m&p-Xylenes	mg/l	0.109	0.115	109.	74-128	5.61	20	WG418430
Methyl tert-butyl ether	mg/l	0.0474	0.0519	95.0	51-142	8.98	20	WG418430
Methylene Chloride	mg/l	0.0397	0.0454	79.0	64-125	13.3	20	WG418430
n-Butylbenzene	mg/l	0.0535	0.0576	107.	63-142	7.35	20	WG418430
n-Propylbenzene	mg/l	0.0550	0.0575	110.	71-132	4.48	20	WG418430
Naphthalene	mg/l	0.0503	0.0524	101.	56-145	4.16	20	WG418430
o-Xylene	mg/l	0.0548	0.0586	110.	78-128	6.59	20	WG418430
p-Isopropyltoluene	mg/l	0.0571	0.0607	114.	68-138	6.03	20	WG418430
sec-Butylbenzene	mg/l	0.0554	0.0594	111.	70-135	7.03	20	WG418430
Styrene	mg/l	0.0568	0.0593	114.	78-130	4.23	20	WG418430
tert-Butylbenzene	mg/l	0.0548	0.0604	110.	72-134	9.72	20	WG418430
Tetrachloroethene	mg/l	0.0566	0.0600	113.	67-135	5.73	20	WG418430
Toluene	mg/l	0.0479	0.0514	96.0	72-122	7.15	20	WG418430
trans-1,2-Dichloroethene	mg/l	0.0467	0.0539	93.0	67-129	14.3	20	WG418430
Trichloroethene	mg/l	0.0494	0.0543	99.0	74-126	9.53	20	WG418430
Trichlorofluoromethane	mg/l	0.0504	0.0567	101.	54-156	11.6	20	WG418430
Vinyl chloride	mg/l	0.0415	0.0502	83.0	55-153	19.0	20	WG418430
4-Bromofluorobenzene				104.0	75-128			WG418430
Dibromofluoromethane				95.17	79-125			WG418430
Toluene-d8				96.78	87-114			WG418430
a,a,a-Trifluorotoluene				102.8	84-114			WG418430
Suspended Solids	mg/l	792.	784.	102.	85-115	1.02	20	WG418292
1,1,1,2-Tetrachloroethane	mg/l	0.0556	0.0548	111.	75-134	1.59	20	WG418516
1,1,1-Trichloroethane	mg/l	0.0481	0.0458	96.0	67-137	4.78	20	WG418516
1,1,2,2-Tetrachloroethane	mg/l	0.0501	0.0517	100.	72-128	3.30	20	WG418516
1,1,2-Trichloroethane	mg/l	0.0511	0.0506	102.	79-123	0.912	20	WG418516

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Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1-Dichloroethane	mg/l	0.0453	0.0440	91.0	67-133	2.82	20	WG418516
1,1-Dichloroethene	mg/l	0.0429	0.0430	86.0	60-130	0.341	20	WG418516
1,1-Dichloropropene	mg/l	0.0447	0.0428	89.0	68-132	4.24	20	WG418516
1,2,3-Trichlorobenzene	mg/l	0.0497	0.0443	99.0	63-138	11.4	20	WG418516
1,2,3-Trichloropropane	mg/l	0.0514	0.0531	103.	68-130	3.32	20	WG418516
1,2,4-Trichlorobenzene	mg/l	0.0483	0.0437	97.0	65-137	10.1	20	WG418516
1,2,4-Trimethylbenzene	mg/l	0.0529	0.0514	106.	72-135	2.85	20	WG418516
1,2-Dibromo-3-Chloropropane	mg/l	0.0420	0.0425	84.0	55-134	1.09	20	WG418516
1,2-Dibromoethane	mg/l	0.0515	0.0518	103.	75-126	0.628	20	WG418516
1,2-Dichlorobenzene	mg/l	0.0500	0.0473	100.	75-122	5.64	20	WG418516
1,2-Dichloroethane	mg/l	0.0473	0.0472	95.0	63-137	0.260	20	WG418516
1,2-Dichloropropane	mg/l	0.0482	0.0470	96.0	74-122	2.67	20	WG418516
1,3,5-Trimethylbenzene	mg/l	0.0536	0.0525	107.	73-134	2.16	20	WG418516
1,3-Dichlorobenzene	mg/l	0.0534	0.0524	107.	73-131	1.97	20	WG418516
1,3-Dichloropropane	mg/l	0.0492	0.0496	98.0	77-119	0.640	20	WG418516
1,4-Dichlorobenzene	mg/l	0.0489	0.0462	98.0	70-121	5.77	20	WG418516
2,2-Dichloropropane	mg/l	0.0466	0.0449	93.0	46-151	3.61	20	WG418516
2-Butanone (MEK)	mg/l	0.204	0.223	81.0	53-132	8.99	20	WG418516
2-Chlorotoluene	mg/l	0.0518	0.0506	104.	74-128	2.37	20	WG418516
4-Chlorotoluene	mg/l	0.0514	0.0501	103.	74-130	2.52	20	WG418516
4-Methyl-2-pentanone (MIBK)	mg/l	0.235	0.255	94.0	60-142	7.92	20	WG418516
Acetone	mg/l	0.202	0.224	81.0	48-134	10.4	20	WG418516
Acrolein	mg/l	0.177	0.180	71.0	6-182	1.83	39	WG418516
Acrylonitrile	mg/l	0.212	0.226	85.0	60-140	6.27	20	WG418516
Benzene	mg/l	0.0431	0.0415	86.0	67-126	3.67	20	WG418516
Bromobenzene	mg/l	0.0502	0.0497	100.	76-123	0.945	20	WG418516
Bromodichloromethane	mg/l	0.0506	0.0505	101.	68-133	0.139	20	WG418516
Bromoform	mg/l	0.0573	0.0584	115.	60-139	1.89	20	WG418516
Bromomethane	mg/l	0.0572	0.0564	114.	45-175	1.37	20	WG418516
Carbon tetrachloride	mg/l	0.0462	0.0449	92.0	64-141	2.92	20	WG418516
Chlorobenzene	mg/l	0.0532	0.0516	106.	77-125	3.00	20	WG418516
Chlorodibromomethane	mg/l	0.0550	0.0545	110.	73-138	0.912	20	WG418516
Chloroethane	mg/l	0.0666	0.0664	133.	49-155	0.223	20	WG418516
Chloroform	mg/l	0.0462	0.0453	92.0	66-126	1.97	20	WG418516
Chloromethane	mg/l	0.0437	0.0424	87.0	45-152	2.85	20	WG418516
cis-1,2-Dichloroethene	mg/l	0.0461	0.0448	92.0	72-128	2.71	20	WG418516
Di-isopropyl ether	mg/l	0.0445	0.0438	89.0	63-139	1.59	20	WG418516
Dibromomethane	mg/l	0.0496	0.0498	99.0	73-125	0.399	20	WG418516
Dichlorodifluoromethane	mg/l	0.0526	0.0505	105.	39-189	4.07	24	WG418516
Ethylbenzene	mg/l	0.0532	0.0517	106.	76-129	2.83	20	WG418516
Hexachloro-1,3-butadiene	mg/l	0.0545	0.0474	109.	67-135	14.0	20	WG418516
Isopropylbenzene	mg/l	0.0538	0.0522	108.	73-132	3.00	20	WG418516
m&p-Xylenes	mg/l	0.106	0.103	106.	74-128	2.99	20	WG418516
Methyl tert-butyl ether	mg/l	0.0423	0.0431	85.0	51-142	1.87	20	WG418516
Methylene Chloride	mg/l	0.0430	0.0414	86.0	64-125	3.77	20	WG418516
n-Butylbenzene	mg/l	0.0491	0.0456	98.0	63-142	7.37	20	WG418516
n-Propylbenzene	mg/l	0.0522	0.0506	104.	71-132	3.09	20	WG418516
Naphthalene	mg/l	0.0471	0.0436	94.0	56-145	7.54	20	WG418516
o-Xylene	mg/l	0.0532	0.0512	106.	78-128	3.96	20	WG418516
p-Isopropyltoluene	mg/l	0.0552	0.0534	110.	68-138	3.25	20	WG418516
sec-Butylbenzene	mg/l	0.0541	0.0519	108.	70-135	4.14	20	WG418516
Styrene	mg/l	0.0555	0.0541	111.	78-130	2.60	20	WG418516
tert-Butylbenzene	mg/l	0.0555	0.0534	111.	72-134	3.77	20	WG418516
Tetrachloroethene	mg/l	0.0526	0.0505	105.	67-135	4.09	20	WG418516
Toluene	mg/l	0.0482	0.0460	96.0	72-122	4.70	20	WG418516
trans-1,2-Dichloroethene	mg/l	0.0434	0.0424	87.0	67-129	2.22	20	WG418516
Trichloroethene	mg/l	0.0503	0.0484	101.	74-126	3.99	20	WG418516
Trichlorofluoromethane	mg/l	0.0519	0.0519	104.	54-156	0.0414	20	WG418516
Vinyl chloride	mg/l	0.0466	0.0462	93.0	55-153	0.786	20	WG418516

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Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
4-Bromofluorobenzene				101.6		75-128		
Dibromofluoromethane				94.41		79-125		
Toluene-d8				98.24		87-114		
a,a,a-Trifluorotoluene				101.4		84-114		

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Mercury	mg/l	0.00306	0.00	.003	102.	70-130	L398935-02	WG418273
Chloride	mg/l	58.1	7.60	50	101.	80-120	L398875-13	WG418271
1,1,1,2-Tetrachloroethane	mg/l	0.0499	0.00	.05	99.8	45-152	L398973-02	WG418430
1,1,1-Trichloroethane	mg/l	0.0435	0.00	.05	87.0	31-161	L398973-02	WG418430
1,1,2,2-Tetrachloroethane	mg/l	0.0502	0.00	.05	100.	49-149	L398973-02	WG418430
1,1,2-Trichloroethane	mg/l	0.0507	0.00	.05	101.	46-145	L398973-02	WG418430
1,1-Dichloroethane	mg/l	0.0405	0.00	.05	81.1	30-159	L398973-02	WG418430
1,1-Dichloroethene	mg/l	0.0492	0.00	.05	98.3	10-162	L398973-02	WG418430
1,1-Dichloropropene	mg/l	0.0427	0.00	.05	85.3	14-162	L398973-02	WG418430
1,2,3-Trichlorobenzene	mg/l	0.0456	0.00	.05	91.1	32-143	L398973-02	WG418430
1,2,3-Trichloropropane	mg/l	0.0535	0.00	.05	107.	48-148	L398973-02	WG418430
1,2,4-Trichlorobenzene	mg/l	0.0461	0.00	.05	92.1	27-142	L398973-02	WG418430
1,2,4-Trimethylbenzene	mg/l	0.0746	0.0260	.05	97.1	29-153	L398973-02	WG418430
1,2-Dibromo-3-Chloropropane	mg/l	0.0516	0.00	.05	103.	37-148	L398973-02	WG418430
1,2-Dibromoethane	mg/l	0.0533	0.00	.05	107.	41-149	L398973-02	WG418430
1,2-Dichlorobenzene	mg/l	0.0464	0.00	.05	92.8	40-139	L398973-02	WG418430
1,2-Dichloroethane	mg/l	0.0432	0.00	.05	86.5	29-167	L398973-02	WG418430
1,2-Dichloropropane	mg/l	0.0397	0.00	.05	79.3	39-148	L398973-02	WG418430
1,3,5-Trimethylbenzene	mg/l	0.0631	0.0130	.05	100.	33-149	L398973-02	WG418430
1,3-Dichlorobenzene	mg/l	0.0469	0.00	.05	93.8	32-148	L398973-02	WG418430
1,3-Dichloropropane	mg/l	0.0489	0.00	.05	97.8	44-142	L398973-02	WG418430
1,4-Dichlorobenzene	mg/l	0.0463	0.00	.05	92.6	32-136	L398973-02	WG418430
2,2-Dichloropropane	mg/l	0.0418	0.00	.05	83.7	14-158	L398973-02	WG418430
2-Butanone (MEK)	mg/l	0.243	0.00	.25	97.1	32-151	L398973-02	WG418430
2-Chlorotoluene	mg/l	0.0493	0.00	.05	98.6	35-147	L398973-02	WG418430
4-Chlorotoluene	mg/l	0.0467	0.00	.05	93.5	33-147	L398973-02	WG418430
4-Methyl-2-pentanone (MIBK)	mg/l	0.235	0.00	.25	94.0	40-160	L398973-02	WG418430
Acetone	mg/l	0.224	0.00	.25	89.4	25-157	L398973-02	WG418430
Acrolein	mg/l	0.205	0.00	.25	81.9	0-179	L398973-02	WG418430
Acrylonitrile	mg/l	0.220	0.00	.25	88.1	37-162	L398973-02	WG418430
Benzene	mg/l	0.0419	0.00180	.05	80.1	16-158	L398973-02	WG418430
Bromobenzene	mg/l	0.0486	0.00	.05	97.2	37-147	L398973-02	WG418430
Bromodichloromethane	mg/l	0.0464	0.00	.05	92.8	45-147	L398973-02	WG418430
Bromoform	mg/l	0.0538	0.00	.05	108.	38-152	L398973-02	WG418430
Bromomethane	mg/l	0.0387	0.00	.05	77.4	0-191	L398973-02	WG418430
Carbon tetrachloride	mg/l	0.0427	0.00	.05	85.3	22-168	L398973-02	WG418430
Chlorobenzene	mg/l	0.0495	0.00	.05	99.0	33-148	L398973-02	WG418430
Chlorodibromomethane	mg/l	0.0532	0.00	.05	106.	48-151	L398973-02	WG418430
Chloroethane	mg/l	0.0386	0.00	.05	77.2	4-176	L398973-02	WG418430
Chloroform	mg/l	0.0425	0.00	.05	84.9	37-147	L398973-02	WG418430
Chloromethane	mg/l	0.0430	0.00	.05	86.1	10-174	L398973-02	WG418430
cis-1,2-Dichloroethene	mg/l	0.0423	0.00	.05	84.6	29-156	L398973-02	WG418430
Di-isopropyl ether	mg/l	0.0417	0.00	.05	83.4	39-160	L398973-02	WG418430
Dibromomethane	mg/l	0.0458	0.00	.05	91.6	36-152	L398973-02	WG418430
Dichlorodifluoromethane	mg/l	0.0497	0.00	.05	99.4	0-200	L398973-02	WG418430
Ethylbenzene	mg/l	0.0526	0.00	.05	105.	29-150	L398973-02	WG418430
Hexachloro-1,3-butadiene	mg/l	0.0442	0.00	.05	88.4	28-144	L398973-02	WG418430

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Quality Assurance Report
Level II

L398973

April 27, 2009

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Isopropylbenzene	mg/l	0.0556	0.00290	.05	105.	35-147	L398973-02	WG418430
m&p-Xylenes	mg/l	0.107	0.00780	.1	99.5	24-151	L398973-02	WG418430
Methyl tert-butyl ether	mg/l	0.0417	0.00	.05	83.4	24-167	L398973-02	WG418430
Methylene Chloride	mg/l	0.0376	0.00	.05	75.3	23-151	L398973-02	WG418430
n-Butylbenzene	mg/l	0.0506	0.00	.05	101.	22-151	L398973-02	WG418430
n-Propylbenzene	mg/l	0.0494	0.00	.05	98.8	26-150	L398973-02	WG418430
Naphthalene	mg/l	0.0850	0.0430	.05	83.9	24-160	L398973-02	WG418430
o-Xylene	mg/l	0.0689	0.0190	.05	99.7	32-151	L398973-02	WG418430
p-Isopropyltoluene	mg/l	0.0537	0.00110	.05	105.	28-151	L398973-02	WG418430
sec-Butylbenzene	mg/l	0.0505	0.00	.05	101.	32-149	L398973-02	WG418430
Styrene	mg/l	0.0509	0.00	.05	102.	38-149	L398973-02	WG418430
tert-Butylbenzene	mg/l	0.0507	0.00	.05	101.	36-149	L398973-02	WG418430
Tetrachloroethene	mg/l	0.0531	0.00	.05	106.	13-157	L398973-02	WG418430
Toluene	mg/l	0.0438	0.00	.05	87.6	22-152	L398973-02	WG418430
trans-1,2-Dichloroethene	mg/l	0.0433	0.00	.05	86.7	11-160	L398973-02	WG418430
Trichloroethene	mg/l	0.0443	0.00	.05	88.6	18-163	L398973-02	WG418430
Trichlorofluoromethane	mg/l	0.0467	0.00	.05	93.4	10-177	L398973-02	WG418430
Vinyl chloride	mg/l	0.0441	0.00	.05	88.2	0-179	L398973-02	WG418430
4-Bromofluorobenzene					99.02	75-128		WG418430
Dibromofluoromethane					95.61	79-125		WG418430
Toluene-d8					94.47	87-114		WG418430
a,a,a-Trifluorotoluene					100.4	84-114		WG418430
Arsenic	mg/l	1.16	0.00	1.13	103.	75-125	L398979-04	WG418285
Barium	mg/l	1.22	0.0490	1.13	104.	75-125	L398979-04	WG418285
Cadmium	mg/l	1.16	0.00	1.13	103.	75-125	L398979-04	WG418285
Chromium	mg/l	1.07	0.00	1.13	94.7	75-125	L398979-04	WG418285
Lead	mg/l	1.11	0.00	1.13	98.2	75-125	L398979-04	WG418285
Selenium	mg/l	1.19	0.00	1.13	105.	75-125	L398979-04	WG418285
Silver	mg/l	1.10	0.00	1.13	97.3	75-125	L398979-04	WG418285
1,1,1,2-Tetrachloroethane	mg/l	0.0491	0.00	.05	98.2	45-152	L398973-01	WG418516
1,1,1-Trichloroethane	mg/l	0.0416	0.00	.05	83.1	31-161	L398973-01	WG418516
1,1,2,2-Tetrachloroethane	mg/l	0.0463	0.00	.05	92.7	49-149	L398973-01	WG418516
1,1,2-Trichloroethane	mg/l	0.0465	0.00	.05	93.1	46-145	L398973-01	WG418516
1,1-Dichloroethane	mg/l	0.0398	0.00	.05	79.5	30-159	L398973-01	WG418516
1,1-Dichloroethene	mg/l	0.0390	0.00	.05	78.0	10-162	L398973-01	WG418516
1,1-Dichloropropene	mg/l	0.0406	0.00	.05	81.3	14-162	L398973-01	WG418516
1,2,3-Trichlorobenzene	mg/l	0.0467	0.00	.05	93.5	32-143	L398973-01	WG418516
1,2,3-Trichloropropane	mg/l	0.0480	0.00	.05	96.0	48-148	L398973-01	WG418516
1,2,4-Trichlorobenzene	mg/l	0.0460	0.00	.05	92.0	27-142	L398973-01	WG418516
1,2,4-Trimethylbenzene	mg/l	0.0495	0.00	.05	99.0	29-153	L398973-01	WG418516
1,2-Dibromo-3-Chloropropane	mg/l	0.0381	0.00	.05	76.2	37-148	L398973-01	WG418516
1,2-Dibromoethane	mg/l	0.0482	0.00	.05	96.3	41-149	L398973-01	WG418516
1,2-Dichlorobenzene	mg/l	0.0448	0.00	.05	89.6	40-139	L398973-01	WG418516
1,2-Dichloroethane	mg/l	0.0423	0.00	.05	84.7	29-167	L398973-01	WG418516
1,2-Dichloropropane	mg/l	0.0425	0.00	.05	85.0	39-148	L398973-01	WG418516
1,3,5-Trimethylbenzene	mg/l	0.0494	0.00	.05	98.7	33-149	L398973-01	WG418516
1,3-Dichlorobenzene	mg/l	0.0504	0.00	.05	101.	32-148	L398973-01	WG418516
1,3-Dichloropropane	mg/l	0.0455	0.00	.05	91.0	44-142	L398973-01	WG418516
1,4-Dichlorobenzene	mg/l	0.0446	0.00	.05	89.1	32-136	L398973-01	WG418516
2,2-Dichloropropane	mg/l	0.0408	0.00	.05	81.6	14-158	L398973-01	WG418516
2-Butanone (MEK)	mg/l	0.188	0.00	.25	75.2	32-151	L398973-01	WG418516
2-Chlorotoluene	mg/l	0.0477	0.00	.05	95.4	35-147	L398973-01	WG418516
4-Chlorotoluene	mg/l	0.0479	0.00	.05	95.9	33-147	L398973-01	WG418516
4-Methyl-2-pentanone (MIBK)	mg/l	0.215	0.00	.25	86.0	40-160	L398973-01	WG418516
Acetone	mg/l	0.178	0.00	.25	71.3	25-157	L398973-01	WG418516

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Tax I.D. 62-0814289

Est. 1970

Withers & Ravenel Eng. - Standard
Chan Bryant
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L398973

April 27, 2009

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Acrolein	mg/l	0.181	0.00	.25	72.2	0-179	L398973-01	WG418516
Acrylonitrile	mg/l	0.199	0.00	.25	79.6	37-162	L398973-01	WG418516
Benzene	mg/l	0.0384	0.00	.05	76.8	16-158	L398973-01	WG418516
Bromobenzene	mg/l	0.0460	0.00	.05	91.9	37-147	L398973-01	WG418516
Bromodichloromethane	mg/l	0.0445	0.00	.05	89.0	45-147	L398973-01	WG418516
Bromoform	mg/l	0.0523	0.00	.05	105.	38-152	L398973-01	WG418516
Bromomethane	mg/l	0.0486	0.00	.05	97.3	0-191	L398973-01	WG418516
Carbon tetrachloride	mg/l	0.0409	0.00	.05	81.9	22-168	L398973-01	WG418516
Chlorobenzene	mg/l	0.0485	0.00	.05	97.0	33-148	L398973-01	WG418516
Chlorodibromomethane	mg/l	0.0492	0.00	.05	98.5	48-151	L398973-01	WG418516
Chloroethane	mg/l	0.0558	0.00	.05	112.	4-176	L398973-01	WG418516
Chloroform	mg/l	0.0405	0.00	.05	81.1	37-147	L398973-01	WG418516
Chloromethane	mg/l	0.0357	0.00	.05	71.4	10-174	L398973-01	WG418516
cis-1,2-Dichloroethene	mg/l	0.0409	0.00	.05	81.8	29-156	L398973-01	WG418516
Di-isopropyl ether	mg/l	0.0387	0.00	.05	77.3	39-160	L398973-01	WG418516
Dibromomethane	mg/l	0.0456	0.00	.05	91.2	36-152	L398973-01	WG418516
Dichlorodifluoromethane	mg/l	0.0361	0.00	.05	72.3	0-200	L398973-01	WG418516
Ethylbenzene	mg/l	0.0492	0.00	.05	98.5	29-150	L398973-01	WG418516
Hexachloro-1,3-butadiene	mg/l	0.0474	0.00	.05	94.8	28-144	L398973-01	WG418516
Isopropylbenzene	mg/l	0.0487	0.00	.05	97.4	35-147	L398973-01	WG418516
m&p-Xylenes	mg/l	0.0983	0.00	.1	98.3	24-151	L398973-01	WG418516
Methyl tert-butyl ether	mg/l	0.0378	0.00	.05	75.5	24-167	L398973-01	WG418516
Methylene Chloride	mg/l	0.0386	0.00	.05	77.2	23-151	L398973-01	WG418516
n-Butylbenzene	mg/l	0.0453	0.00	.05	90.6	22-151	L398973-01	WG418516
n-Propylbenzene	mg/l	0.0485	0.00	.05	97.0	26-150	L398973-01	WG418516
Naphthalene	mg/l	0.0435	0.00	.05	87.0	24-160	L398973-01	WG418516
o-Xylene	mg/l	0.0483	0.00	.05	96.6	32-151	L398973-01	WG418516
p-Isopropyltoluene	mg/l	0.0512	0.00	.05	102.	28-151	L398973-01	WG418516
sec-Butylbenzene	mg/l	0.0488	0.00	.05	97.6	32-149	L398973-01	WG418516
Styrene	mg/l	0.0509	0.00	.05	102.	38-149	L398973-01	WG418516
tert-Butylbenzene	mg/l	0.0499	0.00	.05	99.8	36-149	L398973-01	WG418516
Tetrachloroethene	mg/l	0.0491	0.00	.05	98.2	13-157	L398973-01	WG418516
Toluene	mg/l	0.0437	0.00	.05	87.5	22-152	L398973-01	WG418516
trans-1,2-Dichloroethene	mg/l	0.0408	0.00	.05	81.6	11-160	L398973-01	WG418516
Trichloroethene	mg/l	0.0450	0.00	.05	90.0	18-163	L398973-01	WG418516
Trichlorofluoromethane	mg/l	0.0435	0.00	.05	87.0	10-177	L398973-01	WG418516
Vinyl chloride	mg/l	0.0387	0.00	.05	77.3	0-179	L398973-01	WG418516
4-Bromofluorobenzene					105.0	75-128		WG418516
Dibromofluoromethane					94.59	79-125		WG418516
Toluene-d8					98.18	87-114		WG418516
a,a,a-Trifluorotoluene					101.5	84-114		WG418516

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Mercury	mg/l	0.0030	0.0030	101.	70-130	0.985	20	L398935-02	WG418273
Chloride	mg/l	57.2	58.1	99.2	80-120	1.56	20	L398875-13	WG418271
1,1,1,2-Tetrachloroethane	mg/l	0.0469	0.0499	93.7	45-152	6.24	21	L398973-02	WG418430
1,1,1-Trichloroethane	mg/l	0.0439	0.0435	87.7	31-161	0.865	23	L398973-02	WG418430
1,1,2,2-Tetrachloroethane	mg/l	0.0481	0.0502	96.2	49-149	4.33	22	L398973-02	WG418430
1,1,2-Trichloroethane	mg/l	0.0482	0.0507	96.4	46-145	5.11	20	L398973-02	WG418430
1,1-Dichloroethane	mg/l	0.0392	0.0405	78.3	30-159	3.46	21	L398973-02	WG418430
1,1-Dichloroethene	mg/l	0.0422	0.0492	84.4	10-162	15.2	23	L398973-02	WG418430
1,1-Dichloropropene	mg/l	0.0401	0.0427	80.1	14-162	6.27	23	L398973-02	WG418430
1,2,3-Trichlorobenzene	mg/l	0.0471	0.0456	94.3	32-143	3.36	33	L398973-02	WG418430

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Level II

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Analyte	Units	Matrix Spike MSD	Ref	Duplicate %Rec	Limit	RPD	Limit	Ref Samp	Batch
1,2,3-Trichloropropane	mg/l	0.0512	0.0535	102.	48-148	4.39	23	L398973-02	WG418430
1,2,4-Trichlorobenzene	mg/l	0.0470	0.0461	93.9	27-142	1.94	30	L398973-02	WG418430
1,2,4-Trimethylbenzene	mg/l	0.0731	0.0746	94.2	29-153	1.96	27	L398973-02	WG418430
1,2-Dibromo-3-Chloropropane	mg/l	0.0519	0.0516	104.	37-148	0.603	27	L398973-02	WG418430
1,2-Dibromoethane	mg/l	0.0490	0.0533	98.0	41-149	8.46	21	L398973-02	WG418430
1,2-Dichlorobenzene	mg/l	0.0461	0.0464	92.2	40-139	0.643	23	L398973-02	WG418430
1,2-Dichloroethane	mg/l	0.0428	0.0432	85.5	29-167	1.07	21	L398973-02	WG418430
1,2-Dichloropropane	mg/l	0.0408	0.0397	81.6	39-148	2.78	20	L398973-02	WG418430
1,3,5-Trimethylbenzene	mg/l	0.0608	0.0631	95.6	33-149	3.68	26	L398973-02	WG418430
1,3-Dichlorobenzene	mg/l	0.0449	0.0469	89.8	32-148	4.43	24	L398973-02	WG418430
1,3-Dichloropropane	mg/l	0.0479	0.0489	95.9	44-142	2.02	20	L398973-02	WG418430
1,4-Dichlorobenzene	mg/l	0.0450	0.0463	90.1	32-136	2.78	23	L398973-02	WG418430
2,2-Dichloropropane	mg/l	0.0423	0.0418	84.5	14-158	0.974	23	L398973-02	WG418430
2-Butanone (MEK)	mg/l	0.223	0.243	89.1	32-151	8.61	26	L398973-02	WG418430
2-Chlorotoluene	mg/l	0.0476	0.0493	95.2	35-147	3.52	24	L398973-02	WG418430
4-Chlorotoluene	mg/l	0.0444	0.0467	88.8	33-147	5.16	25	L398973-02	WG418430
4-Methyl-2-pentanone (MIBK)	mg/l	0.227	0.235	90.9	40-160	3.37	28	L398973-02	WG418430
Acetone	mg/l	0.204	0.224	81.4	25-157	9.37	26	L398973-02	WG418430
Acrolein	mg/l	0.171	0.205	68.4	0-179	18.0	39	L398973-02	WG418430
Acrylonitrile	mg/l	0.207	0.220	82.9	37-162	6.09	24	L398973-02	WG418430
Benzene	mg/l	0.0400	0.0419	76.4	16-158	4.53	21	L398973-02	WG418430
Bromobenzene	mg/l	0.0450	0.0486	90.1	37-147	7.63	23	L398973-02	WG418430
Bromodichloromethane	mg/l	0.0451	0.0464	90.2	45-147	2.86	20	L398973-02	WG418430
Bromoform	mg/l	0.0515	0.0538	103.	38-152	4.50	20	L398973-02	WG418430
Bromomethane	mg/l	0.0373	0.0387	74.6	0-191	3.63	35	L398973-02	WG418430
Carbon tetrachloride	mg/l	0.0416	0.0427	83.2	22-168	2.56	24	L398973-02	WG418430
Chlorobenzene	mg/l	0.0460	0.0495	92.0	33-148	7.28	22	L398973-02	WG418430
Chlorodibromomethane	mg/l	0.0501	0.0532	100.	48-151	5.96	21	L398973-02	WG418430
Chloroethane	mg/l	0.0397	0.0386	79.4	4-176	2.71	27	L398973-02	WG418430
Chloroform	mg/l	0.0412	0.0425	82.4	37-147	2.98	21	L398973-02	WG418430
Chloromethane	mg/l	0.0364	0.0430	72.7	10-174	16.8	28	L398973-02	WG418430
cis-1,2-Dichloroethene	mg/l	0.0403	0.0423	80.7	29-156	4.73	22	L398973-02	WG418430
Di-isopropyl ether	mg/l	0.0406	0.0417	81.2	39-160	2.58	21	L398973-02	WG418430
Dibromomethane	mg/l	0.0434	0.0458	86.7	36-152	5.47	20	L398973-02	WG418430
Dichlorodifluoromethane	mg/l	0.0449	0.0497	89.8	0-200	10.1	26	L398973-02	WG418430
Ethylbenzene	mg/l	0.0487	0.0526	97.5	29-150	7.71	24	L398973-02	WG418430
Hexachloro-1,3-butadiene	mg/l	0.0447	0.0442	89.4	28-144	1.12	33	L398973-02	WG418430
Isopropylbenzene	mg/l	0.0506	0.0556	95.4	35-147	9.40	25	L398973-02	WG418430
m&p-Xylenes	mg/l	0.101	0.107	93.7	24-151	5.51	23	L398973-02	WG418430
Methyl tert-butyl ether	mg/l	0.0418	0.0417	83.7	24-167	0.386	22	L398973-02	WG418430
Methylene Chloride	mg/l	0.0358	0.0376	71.7	23-151	4.89	21	L398973-02	WG418430
n-Butylbenzene	mg/l	0.0500	0.0506	100.	22-151	1.07	29	L398973-02	WG418430
n-Propylbenzene	mg/l	0.0470	0.0494	94.0	26-150	4.96	25	L398973-02	WG418430
Naphthalene	mg/l	0.0896	0.0850	93.2	24-160	5.32	37	L398973-02	WG418430
o-Xylene	mg/l	0.0645	0.0689	91.1	32-151	6.48	23	L398973-02	WG418430
p-Isopropyltoluene	mg/l	0.0509	0.0537	99.5	28-151	5.39	27	L398973-02	WG418430
sec-Butylbenzene	mg/l	0.0470	0.0505	94.1	32-149	7.05	26	L398973-02	WG418430
Styrene	mg/l	0.0482	0.0509	96.4	38-149	5.42	23	L398973-02	WG418430
tert-Butylbenzene	mg/l	0.0469	0.0507	93.7	36-149	7.80	26	L398973-02	WG418430
Tetrachloroethene	mg/l	0.0481	0.0531	96.1	13-157	9.95	24	L398973-02	WG418430
Toluene	mg/l	0.0416	0.0438	83.3	22-152	5.06	22	L398973-02	WG418430
trans-1,2-Dichloroethene	mg/l	0.0410	0.0433	82.1	11-160	5.49	23	L398973-02	WG418430
Trichloroethene	mg/l	0.0420	0.0443	84.0	18-163	5.38	21	L398973-02	WG418430
Trichlorofluoromethane	mg/l	0.0435	0.0467	87.0	10-177	7.13	24	L398973-02	WG418430
Vinyl chloride	mg/l	0.0386	0.0441	77.1	0-179	13.4	26	L398973-02	WG418430
4-Bromofluorobenzene				97.81	75-128				WG418430
Dibromofluoromethane				95.50	79-125				WG418430
Toluene-d8				93.45	87-114				WG418430
a,a,a-Trifluorotoluene				97.93	84-114				WG418430

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L398973

April 27, 2009

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Arsenic	mg/l	1.19	1.16	105.	75-125	2.55	20	L398979-04	WG418285
Barium	mg/l	1.23	1.22	105.	75-125	0.816	20	L398979-04	WG418285
Cadmium	mg/l	1.18	1.16	104.	75-125	1.71	20	L398979-04	WG418285
Chromium	mg/l	1.08	1.07	95.6	75-125	0.930	20	L398979-04	WG418285
Lead	mg/l	1.13	1.11	100.	75-125	1.79	20	L398979-04	WG418285
Selenium	mg/l	1.22	1.19	108.	75-125	2.49	20	L398979-04	WG418285
Silver	mg/l	1.12	1.10	99.1	75-125	1.80	20	L398979-04	WG418285
1,1,1,2-Tetrachloroethane	mg/l	0.0549	0.0491	110.	45-152	11.1	21	L398973-01	WG418516
1,1,1-Trichloroethane	mg/l	0.0470	0.0416	94.1	31-161	12.4	23	L398973-01	WG418516
1,1,2,2-Tetrachloroethane	mg/l	0.0516	0.0463	103.	49-149	10.7	22	L398973-01	WG418516
1,1,2-Trichloroethane	mg/l	0.0520	0.0465	104.	46-145	11.1	20	L398973-01	WG418516
1,1-Dichloroethane	mg/l	0.0448	0.0398	89.6	30-159	11.9	21	L398973-01	WG418516
1,1-Dichloroethene	mg/l	0.0436	0.0390	87.2	10-162	11.0	23	L398973-01	WG418516
1,1-Dichloropropene	mg/l	0.0457	0.0406	91.5	14-162	11.8	23	L398973-01	WG418516
1,2,3-Trichlorobenzene	mg/l	0.0542	0.0467	108.	32-143	14.8	33	L398973-01	WG418516
1,2,3-Trichloropropane	mg/l	0.0534	0.0480	107.	48-148	10.7	23	L398973-01	WG418516
1,2,4-Trichlorobenzene	mg/l	0.0535	0.0460	107.	27-142	15.0	30	L398973-01	WG418516
1,2,4-Trimethylbenzene	mg/l	0.0553	0.0495	111.	29-153	11.1	27	L398973-01	WG418516
1,2-Dibromo-3-Chloropropane	mg/l	0.0447	0.0381	89.3	37-148	15.9	27	L398973-01	WG418516
1,2-Dibromoethane	mg/l	0.0539	0.0482	108.	41-149	11.2	21	L398973-01	WG418516
1,2-Dichlorobenzene	mg/l	0.0516	0.0448	103.	40-139	14.1	23	L398973-01	WG418516
1,2-Dichloroethane	mg/l	0.0474	0.0423	94.9	29-167	11.4	21	L398973-01	WG418516
1,2-Dichloropropane	mg/l	0.0476	0.0425	95.2	39-148	11.3	20	L398973-01	WG418516
1,3,5-Trimethylbenzene	mg/l	0.0551	0.0494	110.	33-149	11.1	26	L398973-01	WG418516
1,3-Dichlorobenzene	mg/l	0.0566	0.0504	113.	32-148	11.6	24	L398973-01	WG418516
1,3-Dichloropropane	mg/l	0.0505	0.0455	101.	44-142	10.4	20	L398973-01	WG418516
1,4-Dichlorobenzene	mg/l	0.0516	0.0446	103.	32-136	14.5	23	L398973-01	WG418516
2,2-Dichloropropane	mg/l	0.0456	0.0408	91.3	14-158	11.2	23	L398973-01	WG418516
2-Butanone (MEK)	mg/l	0.206	0.188	82.2	32-151	9.00	26	L398973-01	WG418516
2-Chlorotoluene	mg/l	0.0531	0.0477	106.	35-147	10.8	24	L398973-01	WG418516
4-Chlorotoluene	mg/l	0.0541	0.0479	108.	33-147	12.0	25	L398973-01	WG418516
4-Methyl-2-pentanone (MIBK)	mg/l	0.233	0.215	93.2	40-160	7.99	28	L398973-01	WG418516
Acetone	mg/l	0.196	0.178	78.4	25-157	9.48	26	L398973-01	WG418516
Acrolein	mg/l	0.194	0.181	77.4	0-179	6.98	39	L398973-01	WG418516
Acrylonitrile	mg/l	0.216	0.199	86.5	37-162	8.41	24	L398973-01	WG418516
Benzene	mg/l	0.0436	0.0384	87.3	16-158	12.8	21	L398973-01	WG418516
Bromobenzene	mg/l	0.0511	0.0460	102.	37-147	10.6	23	L398973-01	WG418516
Bromodichloromethane	mg/l	0.0502	0.0445	100.	45-147	12.0	20	L398973-01	WG418516
Bromoform	mg/l	0.0590	0.0523	118.	38-152	12.1	20	L398973-01	WG418516
Bromomethane	mg/l	0.0553	0.0486	111.	0-191	12.8	35	L398973-01	WG418516
Carbon tetrachloride	mg/l	0.0463	0.0409	92.6	22-168	12.3	24	L398973-01	WG418516
Chlorobenzene	mg/l	0.0549	0.0485	110.	33-148	12.4	22	L398973-01	WG418516
Chlorodibromomethane	mg/l	0.0559	0.0492	112.	48-151	12.6	21	L398973-01	WG418516
Chloroethane	mg/l	0.0591	0.0558	118.	4-176	5.79	27	L398973-01	WG418516
Chloroform	mg/l	0.0457	0.0405	91.4	37-147	11.9	21	L398973-01	WG418516
Chloromethane	mg/l	0.0403	0.0357	80.6	10-174	12.0	28	L398973-01	WG418516
cis-1,2-Dichloroethene	mg/l	0.0468	0.0409	93.6	29-156	13.5	22	L398973-01	WG418516
Di-isopropyl ether	mg/l	0.0430	0.0387	86.0	39-160	10.6	21	L398973-01	WG418516
Dibromomethane	mg/l	0.0514	0.0456	103.	36-152	12.0	20	L398973-01	WG418516
Dichlorodifluoromethane	mg/l	0.0411	0.0361	82.1	0-200	12.8	26	L398973-01	WG418516
Ethylbenzene	mg/l	0.0556	0.0492	111.	29-150	12.1	24	L398973-01	WG418516
Hexachloro-1,3-butadiene	mg/l	0.0548	0.0474	110.	28-144	14.5	33	L398973-01	WG418516
Isopropylbenzene	mg/l	0.0551	0.0487	110.	35-147	12.2	25	L398973-01	WG418516
m&p-Xylenes	mg/l	0.110	0.0983	110.	24-151	11.3	23	L398973-01	WG418516
Methyl tert-butyl ether	mg/l	0.0420	0.0378	84.0	24-167	10.6	22	L398973-01	WG418516
Methylene Chloride	mg/l	0.0435	0.0386	87.1	23-151	12.0	21	L398973-01	WG418516
n-Butylbenzene	mg/l	0.0526	0.0453	105.	22-151	14.9	29	L398973-01	WG418516

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
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(615) 758-5858
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Withers & Ravenel Eng. - Standard
Chan Bryant
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L398973

April 27, 2009

Analyte	Units	Matrix Spike MSD	Ref	Duplicate %Rec	Limit	RPD	Limit	Ref Samp	Batch
n-Propylbenzene	mg/l	0.0542	0.0485	108.	26-150	11.0	25	L398973-01	WG418516
Naphthalene	mg/l	0.0522	0.0435	104.	24-160	18.1	37	L398973-01	WG418516
o-Xylene	mg/l	0.0543	0.0483	109.	32-151	11.7	23	L398973-01	WG418516
p-Isopropyltoluene	mg/l	0.0581	0.0512	116.	28-151	12.5	27	L398973-01	WG418516
sec-Butylbenzene	mg/l	0.0551	0.0488	110.	32-149	12.2	26	L398973-01	WG418516
Styrene	mg/l	0.0572	0.0509	114.	38-149	11.6	23	L398973-01	WG418516
tert-Butylbenzene	mg/l	0.0558	0.0499	112.	36-149	11.2	26	L398973-01	WG418516
Tetrachloroethene	mg/l	0.0562	0.0491	112.	13-157	13.4	24	L398973-01	WG418516
Toluene	mg/l	0.0496	0.0437	99.2	22-152	12.6	22	L398973-01	WG418516
trans-1,2-Dichloroethene	mg/l	0.0462	0.0408	92.3	11-160	12.4	23	L398973-01	WG418516
Trichloroethene	mg/l	0.0513	0.0450	103.	18-163	13.0	21	L398973-01	WG418516
Trichlorofluoromethane	mg/l	0.0485	0.0435	97.0	10-177	10.9	24	L398973-01	WG418516
Vinyl chloride	mg/l	0.0429	0.0387	85.9	0-179	10.5	26	L398973-01	WG418516
4-Bromofluorobenzene				103.3	75-128				WG418516
Dibromofluoromethane				93.91	79-125				WG418516
Toluene-d8				97.63	87-114				WG418516
a,a,a-Trifluorotoluene				101.4	84-114				WG418516

Batch number /Run number / Sample number cross reference

WG418273: R717048: L398973-01 02
WG418271: R717088: L398973-01 02
WG418430: R717249: L398973-02
WG418292: R717616: L398973-01 02
WG418285: R717768 R717769: L398973-01 02
WG418516: R717886: L398973-01

* * Calculations are performed prior to rounding of reported values .
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

ENVIRONMENTAL
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Tax I.D. 62-0814289

Est. 1970

Withers & Ravenel Eng. - Standard
Chan Bryant
111 MacKenan Drive

Cary, NC 27511

Quality Assurance Report
Level II

L398973

April 27, 2009

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Withers & Ravenel Eng.
111 MacKenan Drive
Cary, NC 27511

Alternate billing information:
(Circle One)
WITHRAV - State Lead
WITHRAVR - Trustfund
WITHRAVD - DSCA
WITHRAVS - Standard

Report to: Chan Bryant
Email to: cbryant @withersravenel.com

Project Description: Hanesbrands Ph. II
City/State Collected: Winston-Salem, NC
Phone: 919-469-3340
FAX: 919-467-6008
Client Project #: 02090145
ESC Key:
Collected by: TJ Murray
Site/Facility ID#:
P.O.#:
Collected by (signature): TJ Murray
Packed on Ice N Y

Rush? (Lab MUST Be Notified)
___ Same Day.....200%
___ Next Day.....100%
___ Two Day.....50%

Date Results Needed: 4/28/09
Email? __No __Yes
FAX? __No __Yes

Analysis/Container/Preservative

Chain of Custody
Page 1 of 1

Prepared by:
ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859
E219

CoCode (lab use only)
Template/Pretogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	VOCs - 62008	RCRA Metals - 6010 + 7470	Chloride	Total Suspended Solids				Remarks/Contaminant	Sample # (lab only)
W1	C	GW	—	4/22/09	1340	5	X	X	X	X					1598931
W4	↓	↓	—	↓	1310	↓	X	X	X	X					02

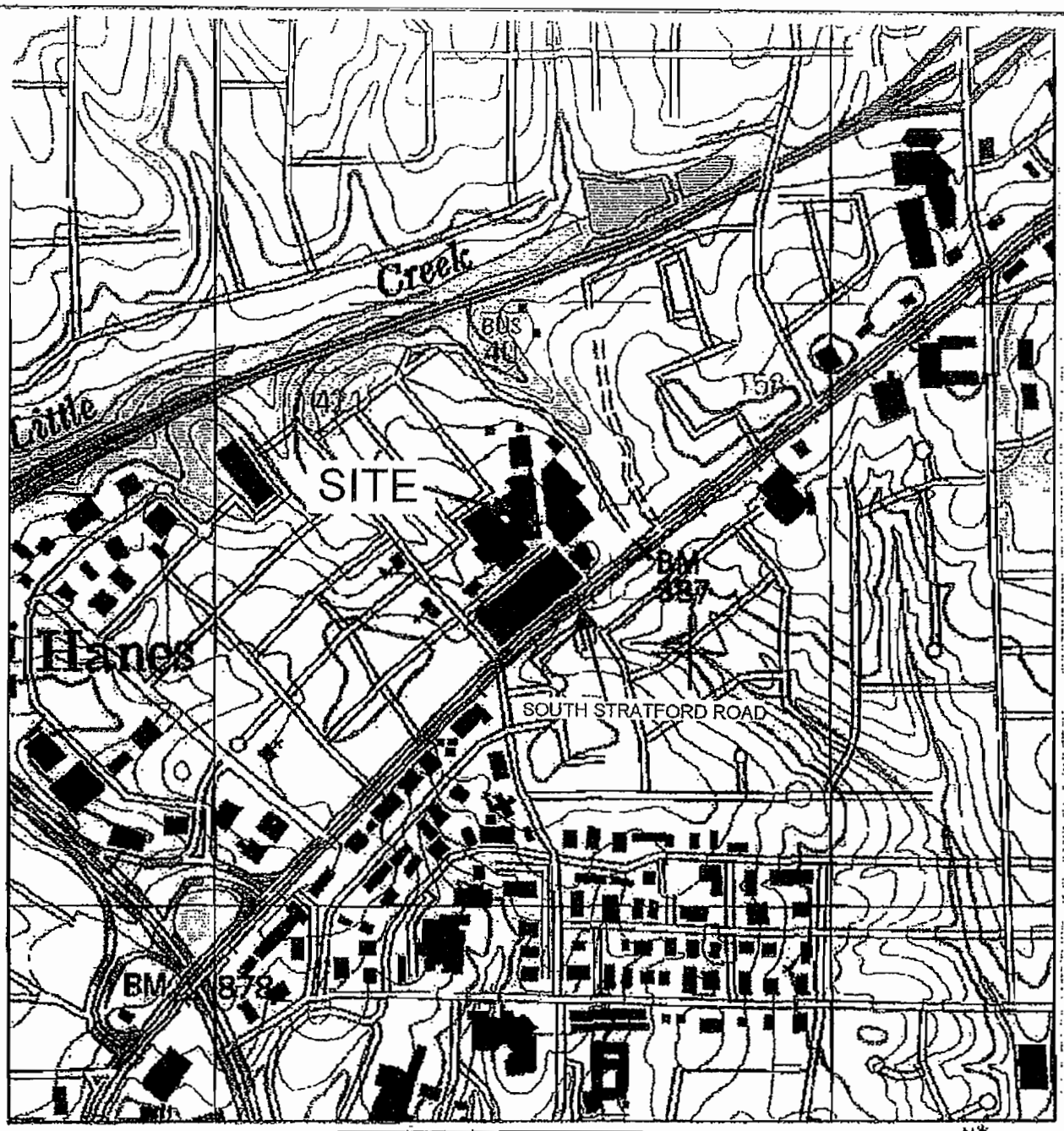
*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____
Flow _____ Other _____

Remarks:

Relinquished by: (Signature)	Date: 4/22/09	Time: 1633	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐	Condition: (lab use only)
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.1°C / Bottles Received: 10	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4-23-09 / Time: 0745	pH Checked: <2 / NCF:

APPENDIX C: HISTORICAL FIGURES – PHASE II ESA (NOVEMBER 2007)



0 0.1 0.2 0.3 0.4 0.5 km

0 0.09 0.18 0.27 0.36 0.45 mi

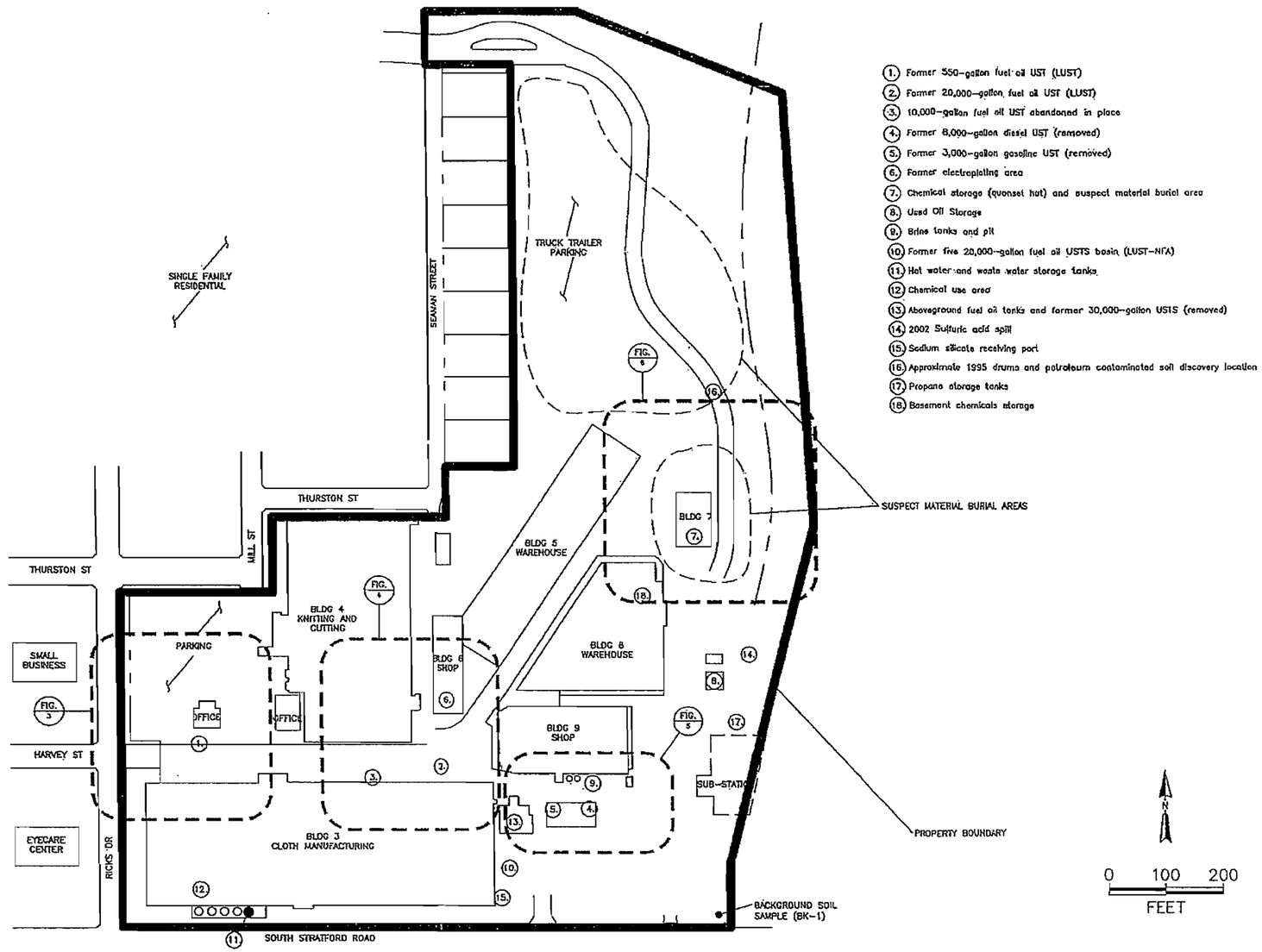
36° 05' 06"N, 80° 17' 41"W (NAD27)

USGS Winston-Salem West (NC) Quadrangle

Projection is UTM Zone 17 NAD83 Datum

M=- 7.726
G=0.416

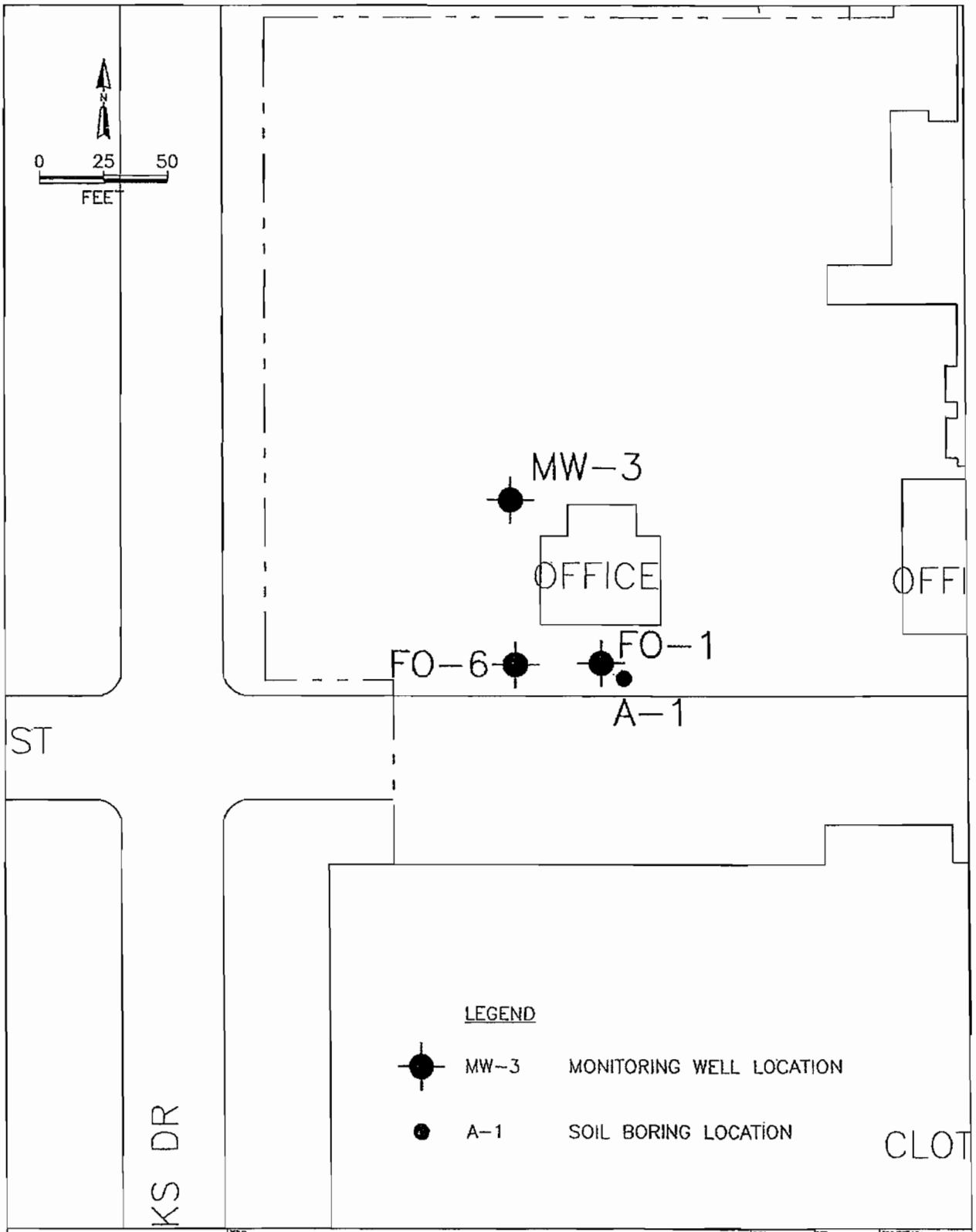
FIGURE 1 **SITE LOCATION MAP** Hanesbrands Facility 700 South Stratford Road Winston-Salem, North Carolina	PROJECT NO: 5E070-3189-P DATE: 9/24/2007 SCALE: ON MAP DRAWN BY: RPC	DELTA 8008 Corporate Center Drive, Suite 100 Charlotte, North Carolina 28226



DELTA

TITLE:
SITE MAP
HANESBRANDS PRODUCTS FACILITY
700 SOUTH STRATFORD ROAD – WINSTON-SALEM, NC

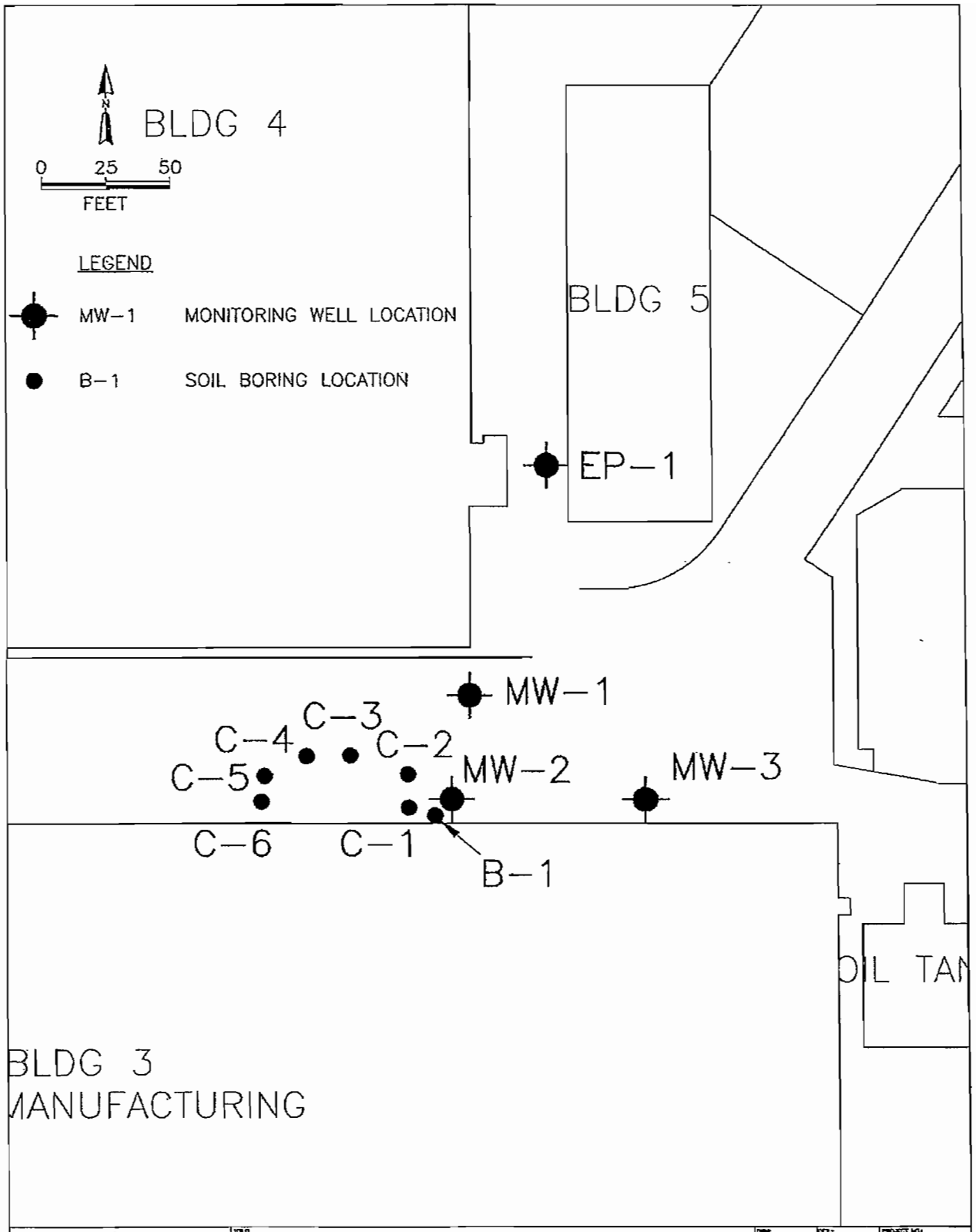
DWN: PM	DES.:	PROJECT NO.: 5E 0703-189P
CHKD: RC	APPD:	FIGURE NO.: 2
DATE: 09-23-07	REV.:	



DELTA

SITE MAP - AREA A
HANESBRANDS PRODUCTS FACILITY
700 SOUTH STRATFORD ROAD - WINSTON-SALEM, NC

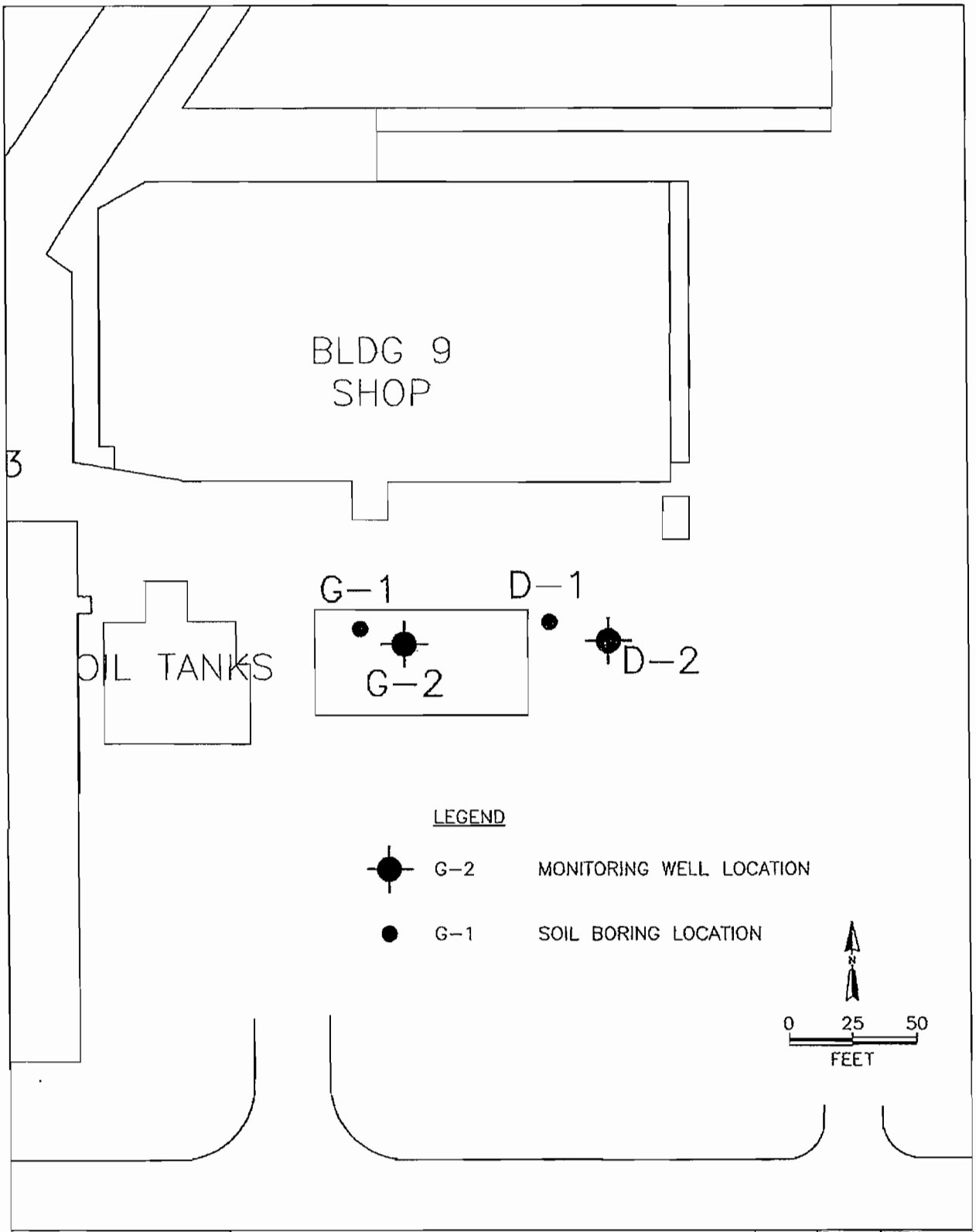
DWN: PM	SCALE:	PROJECT NO.: 5E 0703-189P	
CHKD: RC	APPD:	FIGURE NO.: 3	
DATE: 09-23-07	REV.:		



DELTA

SITE MAP - AREAS B, C, & EP
HANESBRANDS PRODUCTS FACILITY
700 SOUTH STRATFORD ROAD - WINSTON-SALEM, NC

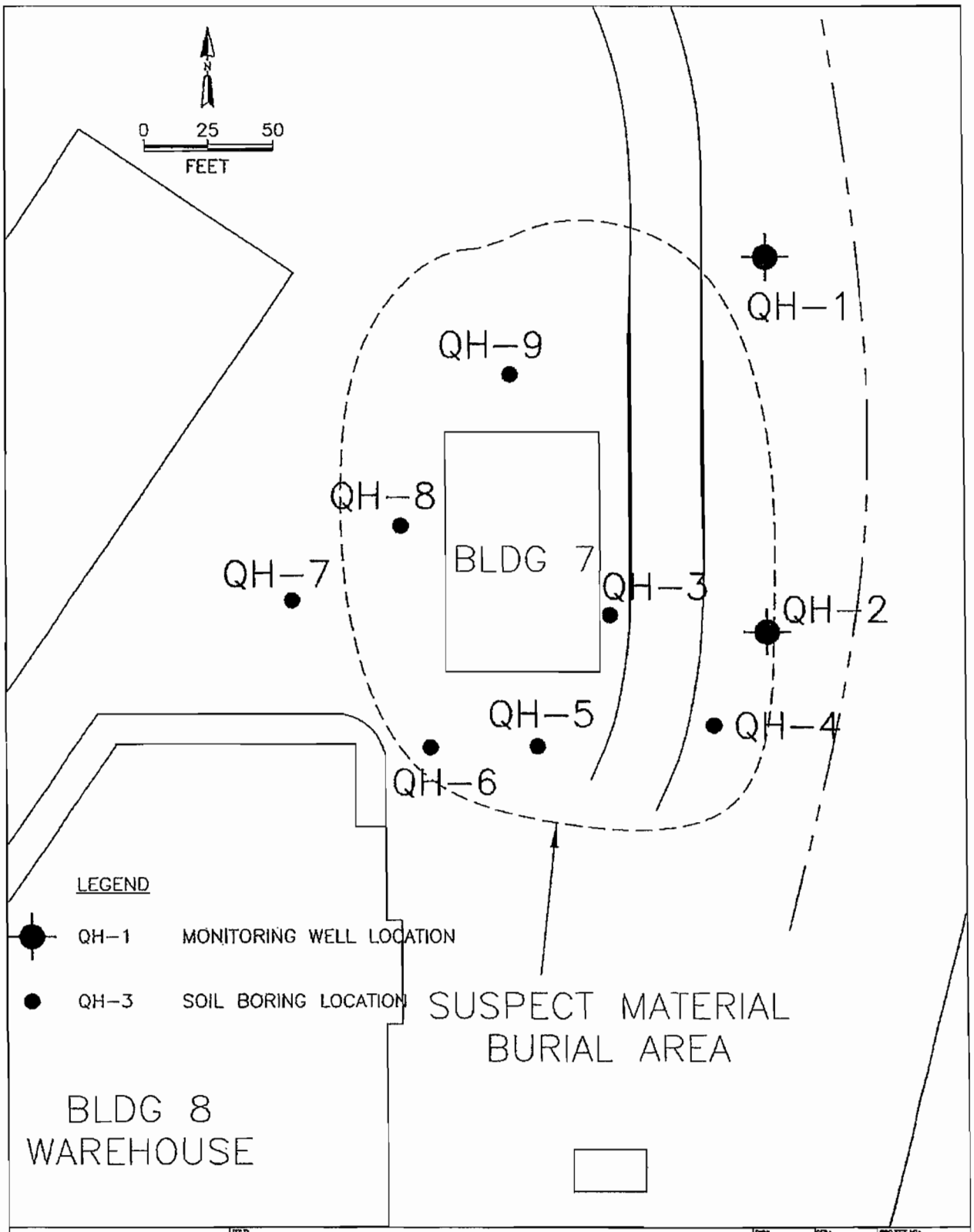
DRN PM
CHKD RC
DATE 09-16-07
SCALE
APPD
REV
PROJECT NO 5E 0703-189P
FIGURE NO 4



DELTA

TITLE: SITE MAP – AREAS D & G
HANESBRANDS PRODUCTS FACILITY
700 SOUTH STRATFORD ROAD – WINSTON-SALEM, NC

DRN: PM	DES:	PROJECT NO: 5E 0703-189P	
CHKD: RC	APPD:	FIGURE NO: 5	
DATE: 09-23-07	REV:		



DELTA

SITE MAP – AREA QH
HANESBRANDS PRODUCTS FACILITY
700 SOUTH STRATFORD ROAD – WINSTON-SALEM, NC

DWN PM	DES	PROJECT NO.	5E 0703-189P
CHKD RC	APVD	FIGURE NO.	6
DATE 09-23-07	REV		

APPENDIX D HISTORICAL SOIL & GROUNDWATER TABLES – PHASE II ESA (NOVEMBER 2007)

Table 1
Analytical Data Summary Table
Hanesbrand Products Facility - Winston-Salem, North Carolina

Area	Soil Samples			Ground Water Samples				Cross Reference for Tables of Analytical Results
	Sample ID	Date Collected	Laboratory Analysis	Sample ID: Permanent Well	Sample ID: Temporary Well	Date Collected	Laboratory Analysis	
A: Former 550 gal. Fuel Oil UST	A-1 (0-4) A-1 (4-8) A-1 (8-12)	07/26/07	VOCs, SVOCs, VPH, EPH	FO-1 FO-6 MW-3	N/A	06/05/07 07/24/07	VOCs SVOCs, VPH, EPH	Table 2
B: Former 20,000 gal. Fuel Oil UST	B-1 (0-4) B-1 (4-8) B-1 (8-12)	07/26/07	VOCs, SVOCs, EPH, VPH	MW-1 MW-2 MW-3	N/A	06/05/07	VOCs SVOCs, VPH, EPH	Table 3
C: 10,000 gal. Fuel Oil UST - Abandoned in Place	C-1 (8-12) C-2 (8-12) C-3 (8-12) C-4 (8-12) C-5 (8-12) C-6 (8-12)	07/26/07	VOCs, SVOCs, EPH, VPH	N/A				Table 4
D: Former 8,000 gal. Diesel UST	D-1 D-2	07/26/07	VOCs, SVOCs, VPH, EPH	N/A	D-2	07/26/07	VOCs, SVOCs, EPH, VPH	Table 5
G: Former 3,000 gal. Gasoline UST	G-1 G-2	07/26/07	VOCs, VPH	N/A	G-2	07/26/07	VOCs, VPH, Total Lead	Table 6
QH: Suspect Buried Materials	QH-1 QH-2 QH-3 QH-4 QH-5 QH-6 QH-7 QH-8 QH-9	07/25/07 07/26/07	VOCs, SVOCs, PCBs, Metals	N/A	QH-1 QH-2	07/25/07	VOCs, SVOCs, PCBs, Metals	Table 7
EP: Reported Former Electroplating Area	EP-1	07/26/07	VOCs, SVOCs, Metals	N/A	EP-1	07/26/07	VOCs, SVOCs, Metals	Table 8
BK: Background Metals	BK-1 (4-8) BK-1 (12-16)	07/25/07	Metals	N/A				Table 8

-- Only compounds/analytes detected in one or more samples are shown on this table

Legend:
gal Gallon
N/A Not Applicable

TABLE 2
Analytical Results- Area A
Former 550 Gallon Fuel Oil UST
Hanesbrand Products Facility- Winston-Salem, North Carolina

	Soil-to-Groundwater Maximum Contaminant Concentrations	ANALYTICAL RESULTS						North Carolina 2L Standards** for Ground Water
		Soils (mg/kg)			Ground Water (mg/l)			
		A-1 (0-4)	A-1 (4-8)	A-1 (8-12)	FO-1	FO-6	MW-3	
	(mg/kg)*	7/26/07	7/26/07	7/26/07	7/26/07	7/26/07	7/24/2007	(mg/l)
Volatile Organic Compounds								
Isopropylbenzene (Cumene)	1.7	ND	ND	ND	0.0048	ND	ND	0.07
p-Isopropyltoluene	NE	ND	ND	ND	0.015	ND	ND	NE
Naphthalene	0.58	ND	ND	ND	**0.096**	ND	ND	0.021
1,2,4-Trimethylbenzene	7.5	ND	ND	ND	0.057	ND	ND	0.35
1,3,5-Trimethylbenzene	7.3	ND	ND	ND	0.042	ND	ND	0.35
Total Xylene	5	ND	ND	ND	0.033	ND	ND	0.53
Semi-Volatile Organic Compounds								
bis (2-ethylhexyl)phthalate	5.6	ND	ND	ND	0.012	ND	ND	NE
Fluorene	44	ND	ND	ND	0.023	ND	ND	0.28
1-methylnaphthalene	NE	ND	ND	ND	0.22	ND	ND	NE
2-methylnaphthalene	1.7	ND	ND	ND	**0.29**	ND	ND	0.014
Naphthalene	0.58	ND	ND	ND	**0.062**	ND	ND	0.021
Phenanthrene	60	ND	ND	ND	0.031	ND	ND	0.21
EPH								
Aliphatic (C9-C18)	3300	ND	ND	ND	**18**	ND	ND	4.2
Aliphatic (C19-C36)	##	ND	ND	ND	1.4	ND	ND	42
Aromatic (C11-C22)	34	ND	ND	ND	**8.9**	ND	ND	0.210
VPH								
Aliphatic (C9-12)	3300	ND	ND	ND	3.1	ND	ND	4.2

-- Only compounds/analytes detected in one or more samples are shown on this table

Legend:
mg/kg Milligrams per Kilogram
mg/l Milligrams per Liter
Considered Immobile
Bold Concentration Above Applicable NCDENR Standard
* Taken from *Guidelines for Assessment and Corrective Action - North Carolina Underground Storage Tank Section, April 2001*
** Standard 15A NCAC 2L.0202
ND Compound or analytes not detected
NE Not Established

TABLE 3
Analytical Results - Area B
Former 20,000-Gallon Fuel Oil UST
Hanesbrand Products Facility- Winston-Salem, North Carolina

	Soil-to-Groundwater Maximum Contaminant Concentrations*	ANALYTICAL RESULTS						North Carolina 2L Standards** for Ground Water
		Soils (mg/kg)			Ground Water (mg/l)			
		B-1 (0-4)	B-1 (4-8)	B-1 (8-12)	MW-1	MW-2	MW-3	
	(mg/kg)	7/26/07	7/26/07	7/26/07	6/5/07	6/5/07	6/5/2007	(mg/l)
Volatile Organic Compounds								
All VOCs	Various	ND	ND	ND	ND	ND	ND	Various
Semi-Volatile Organic Compounds								
All SVOCs	Various	ND	ND	ND	ND	ND	ND	Various
EPH								
Aliphatic (C9-C18)	3300	ND	ND	100	ND	ND	ND	4.2
Aliphatic (C19-C36)	##	ND	ND	16	ND	ND	ND	42
Aromatic (C11-C22)	34	ND	ND	**43**	ND	ND	ND	0.21
VPH								
Aliphatic (C9-12)	3300	ND	ND	ND	ND	ND	ND	4.2

-- Only compounds/analytes detected in one or more samples are shown on this table

Legend:
mg/kg Milligrams per Kilogram
mg/l Milligrams per Liter
Considered Immobile
Bold Concentration Above Applicable NCDENR Standard
* Taken from *Guidelines for Assessment and Corrective Action - North Carolina Underground Storage Tank Section, April 2001*
** Standard 15A NCAC 2L.0202

TABLE 4
Analytical Results - Area C
10,000-Gallon Fuel Oil UST
Hanesbrand Products Facility- Winston-Salem, North Carolina

	Soil-to-Groundwater Maximum Contaminant Concentrations*	ANALYTICAL RESULTS					
		Soils (mg/kg)					
		C-1(8-12)	C-2(8-12)	C-3(8-12)	C-4(8-12)	C-5(8-12)	C-6(8-12)
	(mg/kg)	7/26/07	7/26/07	7/26/07	7/26/07	7/26/07	7/26/2007
Volatile Organic Compounds							
Acetone	2.8	0.15	ND	0.1	ND	ND	0.16
Semi-Volatile Organic Compounds							
All SVOCs	Various	ND	ND	ND	ND	ND	ND
EPH							
ALL EPH	Various	ND	ND	ND	ND	ND	ND
VPH							
Aliphatic (C9-12)	3300	ND	ND	ND	ND	ND	ND

-- Only compounds/analytes detected in one or more samples are shown on this table

Legend:
mg/kg Milligrams per Kilogram
Bold Concentration Above Applicable NCDENR Standard
* Taken from *Guidelines for Assessment and Corrective Action - North Carolina Underground Storage Tank Section, April 2001*
ND Compound or analytes not detected

TABLE 5
Analytical Results - Area D
Former 8,000-Gallon Diesel UST
Hanesbrand Products Facility- Winston-Salem, North Carolina

	Soil-to-Groundwater Maximum Contaminant Concentrations* (mg/kg)	ANALYTICAL RESULTS			North Carolina 2L Standards** for Ground Water (mg/l)
		Soils (mg/kg)		Ground Water (mg/l)	
		D-1	D-2	D-2	
		7/26/07	7/26/07	7/26/07	
Volatile Organic Compounds					
Acetone	2.8	ND	0.13	ND	0.7
Chloroform	0.4	ND	ND	0.0032	0.07
Semi-Volatile Organic Compounds					
All SVOCs	Various	ND	ND	ND	Various
EPH					
ALL EPH	Various	ND	ND	ND	Various
VPH					
Aliphatic (C9-12)	3300	ND	ND	ND	4.2

-- Only compounds/analytes detected in one or more samples are shown on this table

Legend:
mg/kg Milligrams per Kilogram
Bold Concentration Above Applicable NCDENR Standard
* Taken from *Guidelines for Assessment and Corrective Action - North Carolina Underground Storage Tank Section, April 2001*
** Standard 15A NCAC 2L.0202
ND Compound or analytes not detected
NE Not Established

TABLE 6
Analytical Results - Area G
Former 3,000-Gallon Gasoline UST
Hanesbrand Products Facility- Winston-Salem, North Carolina

	Soil-to-Groundwater Maximum Contaminant Concentrations*	ANALYTICAL RESULTS			North Carolina 2L Standards** for Ground Water
		Soils (mg/kg)		Ground Water (mg/l)	
		G-1	G-2	G-2	
	(mg/kg)	7/26/07	7/26/07	7/26/07	(mg/l)
Total Lead					
Lead	270	Not Analyzed		**0.095**	0.015
Volatile Organic Compounds					
Chloroform	0.4	ND	ND	0.0052	0.07
VPH					
Aliphatic (C9-12)	3300	ND	ND	ND	4.2

-- Only compounds/analytes detected in one or more samples are shown On this table

Legend:
mg/kg Milligrams per Kilogram
mg/l Milligrams per Liter
Bold Concentration Above Applicable NCDENR Standard
* Taken from *Guidelines for Assessment and Corrective Action - North Carolina Underground Storage Tank Section, April 2001*
** Standard 15A NCAC 2L.0202
ND Compound or analytes not detected

	North Carolina 2L Standards* for Ground Water (mg/l)
Metals	
Arsenic	0.05
Barium	2
Cadmium	0.00175
Chromium	0.05
Lead	0.015
Mercury	0.00105
Selenium	0.05
Silver	0.0175
Volatile Organic Compounds	
Acetone	0.7
cis-1,2-Dichloroethene	0.07
Naphthalene	0.021
Tetrachloroethene	0.0007
1,2,4-Trimethylbenzene	0.35
Semi-Volatile Organic Comp	
Benzo(b)fluoranthene	4.79×10^{-5}
Fluoranthene	0.28
Pyrene	0.21
PCBs	
ALL PCBs	Various

-- Only compounds/analyte

Legend:

mg/kg	Milligrams per Kilogr
mg/l	Milligrams per Liter
Bold	Concentration Above
*	Standard 15A NCAC
ND	Compound or analyt
NE	Not Established

TABLE 8
Analytical Results - Areas EP and BK
Reported Former Electroplating Area Background Metals
Hanesbrand Products Facility- Winston-Salem, North Carolina

Reported Former Electroplating Area

	NCDENR Inactive Hazardous Sites Branch Soil Remediation Goals ppm (mg/kg)	ANALYTICAL RESULTS		North Carolina 2L Standards* for Ground Water (mg/l)
		Soils (mg/kg)	Ground Water (mg/l)	
		EP-1	EP-1	
		7/26/07	7/26/07	
Metals				
Arsenic	4.4	ND	**0.066**	0.05
Barium	NE	41	**2.1**	2
Cadmium	NE	ND	ND	0.00175
Chromium	44	25	**0.098**	0.05
Lead	400	22	**0.099**	0.015
Mercury	4.6	0.033	ND	0.00105
Selenium	78	ND	0.018	0.05
Silver	78	ND	ND	0.0175
Volatile Organic Compounds				
Chloroform	0.22	ND	0.0024	0.07
Semi-Volatile Organic Compounds				
All SVOCs	Various	ND	ND	Various

Background Metals

	ANALYTICAL RESULTS	
	Soils (mg/kg)	
	BK-1 (4-8)	BK-1 (12-16)
	7/25/07	7/25/07
Metals		
Arsenic	2.3	0.81
Barium	320	260
Cadmium	0.59	0.33
Chromium	52	38
Lead	15	11
Mercury	ND	ND
Selenium	ND	ND
Silver	ND	ND

-- Only compounds/analytes detected in one or more samples are shown on this table

Legend:
mg/kg Milligrams per Kilogram
mg/l Milligrams per Liter
Bold Concentration Above Applicable NCDENR Standard
* Standard 15A NCAC 2L.0202