April 3, 2013

Ms. Dana Sykes
Hamilton Beach Brands, Inc.
4421 Waterfront Drive
Glen Allen, Virginia 23060

RE: ***2012 Long Term Monitoring Report***
Former Hamilton Beach Brands, Inc Facility
234 Springs Road, Washington, NC

Dear Ms. Sykes:

URS Corporation - North Carolina is pleased to submit this *Long Term Monitoring Report* for the former Hamilton Beach Brands facility located in Washington, North Carolina. The report documents the results of semi-annual groundwater sampling conducted in April and October of 2012. Theses sampling events are part of a continuing program to monitor the progress of groundwater remediation at the site following the injection of zero-valent iron in 2005.

Please contact me at 919-461-1290 if you have any questions regarding this submittal.

Sincerely,

URS Corporation – North Carolina

A. Brett Berra, PE, RSM
Senior Project Manager

cc: Mr. Tony Duque / NC Dept. of Environment and Natural Resources (electronic)
Mr. Franz Holscher / Rodman, Holscher, Francisco, and Peck, P.A.
Brad De Vore / WCSR (electronic)

Enclosure

URS Corporation – North Carolina
1600 Perimeter Park Drive, Suite 400
Morrisville, NC 27560
Tel: 919-461-1100
Fax: 919-46-1415

Long Term Monitoring Report
Hamilton Beach Brands, Inc.
Washington, North Carolina

April and October 2012 Long Term Monitoring Events
Groundwater Incident No. 14338

Prepared for:

Hamilton Beach Brands, Inc.
4421 Waterfront Drive
Glen Allen, Virginia 23060

Prepared by:

URS Corporation – North Carolina
1600 Perimeter Park Drive, Suite 400
Morrisville, NC 27560

URS Project No. 31828403

April 2013

TABLE OF CONTENTS

EXECUTIVE SUMMARY ES-1

1.0 INTRODUCTION 1-1

1.1 Site Description and Background 1-1
1.2 Overview of ZVI and Molasses Slurry Injection 1-2
1.3 Report Organization 1-2

2.0 SAMPLING AND DATA REVIEW PROCEDURES 2-1

2.1 Groundwater Sampling 2-1
2.2 Surface Water Sampling 2-4
2.3 Review of Laboratory Data 2-4

3.0 RESULTS OF APRIL 2012 MONITORING 3-1

3.1 Groundwater 3-1
3.1.1 Unit A 3-1
3.1.2 Unit B 3-6
3.2 Surface Water 3-9

4.0 RESULTS OF OCTOBER 2012 MONITORING 4-1

4.1 Groundwater 4-1
4.1.1 Unit A 4-1
4.1.2 Unit B 4-6
4.2 Surface Water 4-11

5.0 CONCLUSIONS 5-1

6.0 RECOMMENDATIONS 6-1

7.0 REFERENCES 7-1

APPENDIX A
A-1 Historical Performance Monitoring Results for Unit A Sampling Points
A-2 Historical Performance Monitoring Results for Unit B Sampling Points
A-3 Historical Performance Monitoring Results for Selected Monitoring Wells

APPENDIX B
B-1 Qualified Analytical Results and Laboratory Reports - April 2011
B-2 Qualified Analytical Results and Laboratory Reports - October 2011

APPENDIX C
C-1 Unit A Sampling Point Plots
C-2 Unit B Sampling Point Plots

APPENDIX D
D-1 Historical Long Term Monitoring Results for Unit A Sampling Points
D-2 Historical Long Term Monitoring Results for Unit B Sampling Points
D-3 Historical Long Term Monitoring Results for Surface Water Sampling Points

LIST OF FIGURES

Figure 2-1 Sampling Point Locations, Hamilton Beach Brands, Inc., Washington, NC..... 2-3

LIST OF TABLES

Table 2-1 Monitoring Well Construction Data Hamilton Beach Brands, Washington, NC..... 2-2

Table 3-1 Summary of April 2012 Groundwater Results in Unit A Compared to NC 2L Groundwater Quality Standards, Hamilton Beach Brands, Inc., Washington, NC..... 3-2

Table 3-2 TCOC Unit A – April 2012 Hamilton Beach Brands, Inc., Washington, NC..... 3-5

Table 3-3 Summary of April 2012 Groundwater Results in Unit B Compared to NC 2L Groundwater Quality Standards, Hamilton Beach Brands, Inc., Washington, NC..... 3-7

Table 3-4 TCOC Unit B – April 2012 Hamilton Beach Brands, Inc., Washington, NC..... 3-10

Table 3-5 Summary of April 2012 Surface Water Results Compared to NC 2B Class C Freshwater Quality Standards, Hamilton Beach Brands, Inc., Washington, NC..... 3-11

Table 4-1 Summary of October 2012 Groundwater Results in Unit A Compared to NC 2L Groundwater Quality Standards, Hamilton Beach Brands, Inc., Washington, NC..... 4-2

Table 4-2 TCOC Unit A – October 2012 Hamilton Beach Brands, Inc., Washington, NC..... 4-5

Table 4-4 TCOC Unit B – October 2012 Hamilton Beach Brands, Inc., Washington, NC..... 4-10

Table 4-5 Summary of October 2012 Surface Water Results Compared to NC 2B Class C Freshwater Quality Standards, Hamilton Beach Brands, Inc., Washington, NC..... 4-12

EXECUTIVE SUMMARY

In 2005, full-scale subsurface injection of Zero Valent Iron (ZVI) and molasses slurry was conducted at the former Hamilton Beach Brands, Inc. manufacturing facility in Washington, North Carolina. The slurry injection was the second phase of corrective action measures implemented at the site to mitigate a plume of chlorinated organic compounds dissolved in groundwater using a process of in-situ degradation.

In accordance with the state-approved *Corrective Action Plan*, initial performance monitoring spanned a period from August 2005 to August 2006, concluding one year after ZVI injection was completed at the site. The analytical results from eight sampling events were documented in a *One Year Post-Injection Monitoring Report*. As recommended in the *One Year Post-Injection Performance Monitoring Report*, an additional round of performance monitoring was conducted in April 2007. Monitoring results from April 2007 were documented in the *Twenty Month Post-Injection Performance Monitoring Report*. The report indicated that remedial progress continued at the site in both hydrostratigraphic Unit A and Unit B and recommended that long-term monitoring be implemented.

As required by the *Corrective Action Plan*, a semi-annual long-term monitoring program was initiated in April 2008 and currently continues with sampling events conducted in April and October 2012. This program also serves to monitor the performance of the installed ZVI remedial system. During both long-term monitoring events conducted in 2012, groundwater samples were collected from 16 monitoring wells and one sampling implant. Surface water samples were collected from the drainage ditch at two locations.

Groundwater analytical results indicate that chemical concentrations have been reduced in both hydrostratigraphic Unit A and Unit B. Chemical concentrations were below State groundwater quality standards in two of the sampled wells and approached the standards in five other wells. Relatively high concentrations of chemicals of concern remain within Unit A near the former source area, along a subsurface drain pipe, and in several interior portions of the plume. Overall, however, the total concentration of chlorinated organic compounds decreased from maximum recorded levels at all of the 17 groundwater sampling points. As of October 2012, the percentage decrease in total concentration from maximum levels recorded since remedial baseline sampling began averaged 80% in Unit A and 87% in Unit B.

Analytical results also suggest that microbial biodegradation is occurring in addition to the abiotic degradation attributed to ZVI injection. Furthermore, the results indicate that complete reductive dechlorination is occurring, which should ultimately eliminate the intermediate degradation compounds that are currently being produced.

Surface water analysis indicates that chlorinated solvents and their degradation compounds are discharging in groundwater into a segment of the drainage ditch adjoining the site. In April 2012, only vinyl chloride was detected in surface water at concentrations exceeding State surface water quality standards. In October 2012, no VOCs were detected in either the upstream or downstream sample at concentrations exceeding the State surface water quality standards. These surface water results are consistent with previous results, indicating that vinyl chloride continues to temporally discharge to the drainage ditch as evidenced by the April sampling results.

This report presents the results of the long term monitoring, discusses the continued performance of the in-place remedial system since ZVI injection was completed, and identifies any trends and changes in subsurface conditions that have occurred.

1.0 INTRODUCTION

This document is the sixth post-injection long term monitoring (LTM) report for the former Hamilton Beach Brands, Inc. (HBB) manufacturing facility located at 234 Springs Road in Washington, North Carolina. This report was preceded by the *One-Year Post Injection Performance Monitoring Report* (URS Corporation-NC et al., 2007a), the *Twenty-Month Post Injection Performance Monitoring Report* (URS Corporation-NC et al., 2007b), and five LTM reports (URS Corporation-NC, 2008, 2009, 2010, 2011, and 2012). Historical performance monitoring data are tabulated in Appendices A-1 through A-3.

This report addresses long-term monitoring events conducted on April 24 and 25, 2012 and on October 8 and 9, 2012, approximately 80 months and 86 months, respectively, after the injection of Zero Valent Iron (ZVI) and molasses slurry was completed at the site. The purpose of the report is to present the results of monitoring, evaluate remedial trends, and assess the performance of the injected ZVI in promoting the degradation of dissolved chlorinated organic compounds underlying the site.

1.1 Site Description and Background

The site is an irregularly-shaped parcel over 39 acres in size, of which 30 acres are occupied by a plant building, several storage buildings, parking areas, and landscaped grounds. Until HBB discontinued manufacturing operations in December 1998, the facility was used to assemble, package, and warehouse small, electric, household appliances. Chemicals were initially detected in groundwater at the site in 1992. Several phases of investigation culminated in a *Comprehensive Site Assessment Report* (Radian International LLC, 1999) that characterized site conditions and identified various organic chemicals in soil and groundwater. The chemicals of concern (COCs), primarily chlorinated solvents and their degradation compounds, occur as a dissolved plume within two hydrostratigraphic units. These include a shallow, unconfined unit comprised of low permeability materials (Unit A) and an underlying semi-confined unit comprised of more permeable silty-sand (Unit B).

A state-approved *Corrective Action Plan* (URS Corporation-NC, 2002) recommended a two-phased remediation approach. Phase 1 involved applying Electrical Resistance Heating (ERH) between December 2003 and July 2004 to address impacted soil and groundwater in the source area. Implementation of ERH at the site is documented in a source removal report (URS Corporation-NC et al., 2005). Phase 2 of the remediation approach involved injecting ZVI and molasses slurry into affected portions of Units A and B to address the remaining areas of the dissolved groundwater plume. The injection process, which was authorized by an Underground

Injection Control Permit (W10700041) issued in April 2003, is described in the *Injection Summary Report* (URS Corporation-NC et al., 2006).

1.2 Overview of ZVI and Molasses Slurry Injection

The full-scale subsurface injection of ZVI and molasses slurry was conducted from February 10, 2005 to August 12, 2005. This remedial approach was selected after the results of a 2001 pilot test (URS Corporation-NC et al., 2002) indicated that iron powder and molasses could effectively remediate the plume of dissolved chlorinated organic compounds underlying the site. The first phase of the injection project involved supplemental sampling to refine the horizontal and vertical delineation of chlorinated organic compounds in groundwater and soil at the site. The results from supplemental sampling were used to improve estimates regarding the distribution of the chlorinated COCs. These data were then used to update the subsurface injection plan.

During the project, 103 tons of ZVI and approximately 36,000 gallons of feed grade molasses were injected into 1,407 direct push bore holes. A total of 4,645 injections were completed at varying depths throughout the plume.

1.3 Report Organization

Section 1 of this report provides a brief description of the site and the COCs along with an overview of corrective action measures implemented at the site. Section 2 briefly discusses the sampling and analysis methods. Sections 3 and 4 present and discuss the results of the April 2012 and October 2012 semi-annual sampling events, respectively. Conclusions are provided in Section 5 and recommendations are contained in Section 6. A list of references is found in Section 7. Supporting data are included in the appendices.

2.0 SAMPLING AND DATA REVIEW PROCEDURES

This section describes the procedures used to sample groundwater and surface water at the site.

2.1 Groundwater Sampling

Sixteen monitoring wells and one sampling implant (M-2) were sampled in April and October 2012. The sampling points included the 13 wells in the LTM network plus four supplemental sampling points (NW-F-2, NW-G-12, NW-K-6, and M-2). The LTM wells and the supplemental wells including the sampling implant are listed on Table 2-1 together with their construction details. As shown in Figure 2-1, eleven monitoring wells are located in Unit A and five wells and the sampling implant are located in Unit B.

During the October sampling event, well NW-G-12 was found to have been damaged by vehicle traffic. The well was sampled, but requires repair.

Prior to sampling, the monitoring wells were purged of three well volumes of water unless a well went dry before three volumes could be removed. Two-inch diameter wells were purged with new, disposable bailers, whereas half-inch and one-inch diameter wells were purged with a peristaltic pump equipped with new sample tubing. After purging, temperature, pH, specific conductance, dissolved oxygen, and oxidation-reduction potential were measured with a calibrated multi-parameter meter. Purge water was collected in a 55-gallon drum and staged on-site for subsequent disposal by HBB.

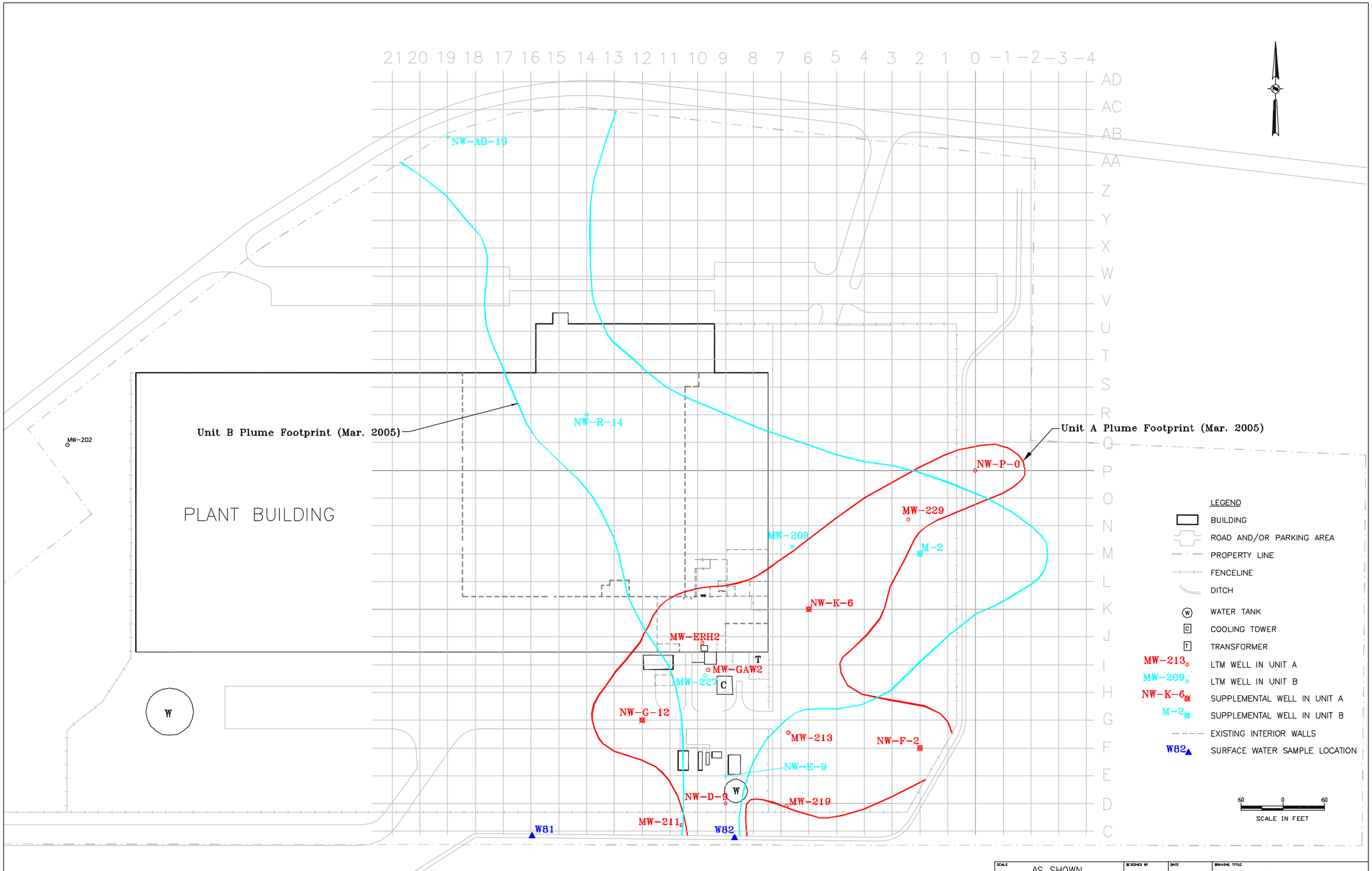
After purging was completed, groundwater samples were collected in appropriate laboratory-supplied sample containers. The filled containers were immediately stored in a cooler filled with wet ice. Following the completion of sampling, the groundwater samples and a trip blank were shipped under chain-of-custody protocols for next-day delivery to Accutest Laboratories Southeast (Accutest).

All of the groundwater samples were analyzed for volatile organic compounds (VOCs) by Method SW846 8260B. Samples from wells MW-ERH2 and MW-GAW2 were also analyzed for selected semi-volatile organic compounds (SVOCs) by Method SW846 8270C. The target analyte lists for VOCs and SVOCs were developed in the state-approved corrective action plan. Chloroethane was added to the VOC list as an additional indicator of dechlorination. Samples from wells MW-ERH2, MW-229, NW-D-9, MW-227, NW-AB-19, and NW-E-9 were also analyzed for dissolved gases (methane, ethane, and ethene) by Method RSKSOP-147/175 to evaluate whether complete degradation is occurring.

Table 2-1
Monitoring Well Construction Data
Hamilton Beach Brands, Washington, NC

Well No.	Unit	Diameter (inches)	Total Depth (ft bgs)	Screen Interval (ft bgs)	Filter Pack (ft bgs)	Bentonite Seal (ft bgs)	Grout Seal (ft bgs)
LTM Wells							
MW-ERH2	A	2	14	9 - 14	8 – 14	7 – 8	0 – 7
MW-GAW2	A	2	10.5	3.5 – 10.5	2.5– 10.5	1.5 – 2.5	0 – 1.5
MW-209	B	2	26.4	16.4 – 26.4	14 – 26.4	13 – 14	0 – 13
MW-211	A	2	7.5	3 – 7.5	2.5 – 7.5	1.5 – 2.5	0 – 1.5
MW-213	A	2	7.5	3 – 7.5	2.5 – 7.5	1.5 – 2.5	0 – 1.5
MW-219	A	0.5	10	4 – 10	3 – 10	2 – 3	0 – 2
MW-227	B	2	25.5	20.5 – 25.5	19.5 – 25.5	17.5 – 19.5	0 – 17.5
MW-229	A	0.5	10	4 – 10	3 – 10	2 – 3	0 – 2
NW-AB-19	B	1	25	20 – 25	19.5 – 25	17.5 – 19.5	0 – 17.5
NW-D-9	A	1	12	7 – 12	6.5 – 12	4.5 – 6.5	0 – 4.5
NW-E-9	B	1	25	20 – 25	19.5 – 25	17.5 – 19.5	0 – 17.5
NW-P-0	A	1	12	7 – 12	6.5 – 12	4.5 – 6.5	0 – 4.5
NW-R-14	B	1	27	22 – 27	21.5 – 27	19.5 – 21.5	0 – 19.5
Supplemental Wells							
Well No.	**Unit**	**Diameter (inches)**	**Total Depth (ft bgs)**	**Screen Interval (ft bgs)**	**Filter Pack (ft bgs)**	**Bentonite Seal (ft bgs)**	**Grout Seal (ft bgs)**
NW-F-2	A	1	12	7 – 12	6.5 – 12	4.5 – 6.5	0 – 4.5
NW-G-12	A	1	12	7 – 12	6.5 – 12	4.5 – 6.5	0 – 4.5
NW-K-6	A	1	12	7 – 12	6.5 – 12	4.5 – 6.5	0 – 4.5
M-2*	B	0.5	25	21 – 25	20 – 25	0 – 20	–

All wells constructed with PVC casing and screen, except MW-ERH2 and MW-GAW2, which were constructed with stainless steel.
*Sampling implant constructed from perforated polyethylene tubing.
ft bgs = feet below ground surface.



SCALE	DESIGNED BY	DATE	DRAWING TITLE
AS SHOWN			Figure 2-1. Sampling Point Locations Hamilton Beach Brands, Inc. Washington, NC
CONFIDENTIAL-ALL RIGHTS RESERVED-PROPERTY OF URS ROLL, NORTH CAROLINA 27560	DRAWN BY TSH	DATE 15MAR10	CAD DRAWING FILE:
	CHECKED BY JN	DATE 15MAR10	CONTRACT NO. 31826447 / DRAWING NO. 2-1 / REV. 0
	APPROVED BY JN	DATE 15MAR10	

P:\Common_Projects\HamiltonBeach\Washington\LTM\April-October 2009\Report\Figures\2-1.dwg March 15, 2010 - 8:00 AM

2.2 Surface Water Sampling

During each monitoring event, two surface water samples were collected from the drainage ditch that is located along the eastern edge of the plant site and the southern property line. Approximate locations of the surface water sample collection points are depicted on Figure 2-1. Sample W82 was collected at a point in the ditch that is downgradient of the groundwater plume. Sample W81 was collected at a point downstream of W82 to establish the quality of surface water flowing off the site. The surface water samples were collected using a decontaminated dipper and transferred directly into laboratory-supplied sample containers. The samples were packed in coolers with the groundwater samples and shipped by overnight carrier to Accutest for VOC analysis by Method SW846 8260B.

2.3 Review of Laboratory Data

Following receipt of the laboratory reports, URS Corporation – North Carolina (URS) reviewed the analytical results from each sampling point. The evaluation of the data was modeled after the *Contract Laboratory National Functional Guidelines for Organic Methods Data Review* (US EPA, 1999). Sample results were qualified according to the data review process and data qualifiers were added to the analytical results, as needed. The analytical results tabulated in the following sections reflect the results of the data qualification. Qualified data are valid and usable for their intended purpose. Laboratory reports are included in Appendix B.

3.0 RESULTS OF APRIL 2012 MONITORING

This section presents the analytical results for 17 groundwater samples and for two surface water samples collected at the site in April 2012.

3.1 Groundwater

The analytical results for groundwater samples collected from hydrostratigraphic Units A and B are discussed below.

3.1.1 Unit A

Table 3-1 summarizes the analytical results for the groundwater samples collected from 11 monitoring wells completed in Unit A. The table also lists the groundwater quality standards (2L Standards) for Class GA groundwater. The well locations are shown on Figure 2-1.

Eighteen VOCs were detected during this sampling event, 11 at concentrations that exceeded the 2L Standards in one or more wells. As in previous sampling events, no VOCs exceeded the 2L Standards in wells MW-219 and NW-F-2, with MW-211 exceeding only two 2L standards. In contrast, the greatest numbers of analytes reported as exceeding the 2L Standards were associated with wells NW-D-9, NW-K-6, and NW-G-12.

Consistent with historical results, the VOCs that were detected were primarily chlorinated solvents and their degradation compounds. However, benzene and naphthalene were also detected above the 2L Standards in one monitoring well (NW-G-12) located in an area where petroleum constituents have historically been reported. Also detected in this area were other petroleum-related VOCs that were below the 2L Standards. In addition, a petroleum-related SVOC, 3&4-methylphenol, was reported at a concentration above the standard in well MW-ERH-2.

The total concentration of chlorinated organic compounds (TCOC) at a monitoring well was calculated by summing the concentrations of the following eight COCs: 1,1,1-trichloroethane (111TCA), 1,1-dichloroethane (11DCA), 1,1-dichloroethene (11DCE), chloroethane (CA), cis-1,2-dichloroethene (cDCE), tetrachloroethene (PCE), trichloroethene (TCE), and vinyl chloride (VC). The TCOC at each of the 11 Unit A wells sampled in April 2012 is shown in Table 3-2 along with the TCOC measured during the previous sampling event in October 2011. The table also shows the percent differences between the TCOC on these dates and between the maximum TCOC measured during the period of record. The TCOC has decreased from the maximum recorded value at all 11 wells. The decrease from the maximum TCOC ranges from 53 percent at well NW-D-9 to 98 and 99 percent at wells MW-211 and NW-F-2, respectively.

Table 3-1
Summary of April 2012 Groundwater Results in Unit A
Compared to NC 2L Groundwater Quality Standards
Hamilton Beach Brands, Inc.
Washington, Beaufort County, NC

	Sample ID:		MW-211	MW-213	MW-219	MW-229	MW-ERH-2	MW-GAW-2
	Collection Date:		4/24/2012	4/24/2012	4/24/2012	4/24/2012	4/25/2012	4/25/2012
Parameters	**Standard**	**Units**						
VOC								
Benzene	1 (2M)	ug/l	< 0.2	.68 j	< 0.2	< 0.2	< 20	.91 j
Chloroethane	3000 (2M)	ug/l	< 0.5	.56 j	< 0.5	3.7	317	13.4
1,1-Dichloroethane	6 (2M)	ug/l	1.6	84.7	1.3	208	1,160	81.8
1,2-Dichloroethane	0.4 (2M)	ug/l	< 0.2	2.7	< 0.2	2.7	< 20	.57 j
1,1-Dichloroethene	7 (2M)	ug/l	< 0.23	124	< 0.23	87.4	3,780	25.4
cis-1,2-Dichloroethene	70 (2M)	ug/l	13.8	63.2	< 0.26	723	4,960	14.4
trans-1,2-Dichloroethene	100 (2M)	ug/l	.53 j	2.3	< 0.35	5.5	74.4 j	.97 j
Ethylbenzene	600 (2M)	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 20	< 0.2
p-Isopropyltoluene	25 (IT)	ug/l	< 0.21	< 0.21	< 0.21	< 0.21	< 21	.22 j
Naphthalene (VOA)	6 (2M)	ug/l	< 1	1.1 j	< 1	< 1	< 100	< 1
n-Propylbenzene	70 (2M)	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 20	< 0.2
Tetrachloroethene	0.7 (2M)	ug/l	1.3	< 0.25	< 0.25	< 0.25	< 25	< 0.25
Toluene	600 (2M)	ug/l	< 0.2	.25 j	< 0.2	< 0.2	406	.74 j
1,1,1-Trichloroethane	200 (2M)	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 20	< 0.2
Trichloroethene	3 (2M)	ug/l	4	23	< 0.26	< 0.26	< 26	3.1
1,2,4-Trimethylbenzene	400 (2M)	ug/l	< 0.27	< 0.27	< 0.27	< 0.27	< 27	.52 j
Vinyl chloride	0.03 (2M)	ug/l	< 0.22	73.1	< 0.22	54	4,090	51.4
Xylenes (Total)	500 (2M)	ug/l	< 0.52	2.01	< 0.52	< 0.52	< 52	1.5
SVOC								
3&4-Methylphenol (m&p-cresol)	40 (2M)	ug/l					447	< 1.1
Other								
Ethane		mg/l				.0108	.0309	
Ethene		mg/l				.0677	.373	
Methane		mg/l				1.4	5.98	
Field Parameters								
Dissolved oxygen		mg/l	2.91	2.43	6.02	2.01	.29	.32
Oxidation reduction potential		mV	154	68.7	75.9	59.5	99	-10
pH		s.u.	4.2	5.07	5.91	5.36	4.73	5.88
Specific Conductance		uS/cm	141	445	248	404	3,109	517
Temperature		Deg C	14.94	21.08	18.12	18.18	20.68	19.76

Table 3-1
Summary of April 2012 Groundwater Results in Unit A
Compared to NC 2L Groundwater Quality Standards
Hamilton Beach Brands, Inc.
Washington, Beaufort County, NC

	Sample ID:		MW-GAW-2	NW-D-9	NW-F-2	NW-G-12	NW-K-6	NW-P-0
	Collection Date:		4/25/2012	4/25/2012	4/24/2012	4/25/2012	4/24/2012	4/24/2012
Parameters	**Standard**	**Units**	DUP					
VOC								
Benzene	1 (2M)	ug/l	.91 j	< 200	< 0.2	15	< 10	< 0.2
Chloroethane	3000 (2M)	ug/l	12.5	< 500	< 0.5	139	838	7.8
1,1-Dichloroethane	6 (2M)	ug/l	78.3	861 j	1.8	285	1,930	15.2
1,2-Dichloroethane	0.4 (2M)	ug/l	.52 j	< 200	< 0.2	22.2	42.2 j	.87 j
1,1-Dichloroethene	7 (2M)	ug/l	21	1,020	1.4	115	1,630	2.6
cis-1,2-Dichloroethene	70 (2M)	ug/l	12.9	93,100	< 0.26	374	3,750	91.3
trans-1,2-Dichloroethene	100 (2M)	ug/l	1.1	533 j	< 0.35	26.7	22.9 j	2.5
Ethylbenzene	600 (2M)	ug/l	< 0.2	< 200	< 0.2	9.8	< 10	< 0.2
p-Isopropyltoluene	25 (IT)	ug/l	< 0.21	< 210	< 0.21	< 1.1	< 11	< 0.21
Naphthalene (VOA)	6 (2M)	ug/l	< 1	< 1000	< 1	34.1	< 50	< 1
n-Propylbenzene	70 (2M)	ug/l	< 0.2	< 200	< 0.2	3.8 j	< 10	< 0.2
Tetrachloroethene	0.7 (2M)	ug/l	< 0.25	< 250	< 0.25	< 1.3	< 13	< 0.25
Toluene	600 (2M)	ug/l	.75 j	< 200	< 0.2	10.3	33.7 j	.39 j
1,1,1-Trichloroethane	200 (2M)	ug/l	< 0.2	< 200	< 0.2	< 1	1,470	< 0.2
Trichloroethene	3 (2M)	ug/l	2.8	1,510	< 0.26	3.1 j	210	< 0.26
1,2,4-Trimethylbenzene	400 (2M)	ug/l	.51 j	< 270	< 0.27	26.6	< 14	< 0.27
Vinyl chloride	0.03 (2M)	ug/l	45.8	4,810	< 0.22	151	225	2.1
Xylenes (Total)	500 (2M)	ug/l	1.5	< 520	< 0.52	13.7	< 26	< 0.52
SVOC								
3&4-Methylphenol (m&p-cresol)	40 (2M)	ug/l						
Other								
Ethane		mg/l		.107				
Ethene		mg/l		.614 j				
Methane		mg/l		9.62				
Field Parameters								
Dissolved oxygen		mg/l		2.04	1.06	6.9	1.16	1.07
Oxidation reduction potential		mV		201.8	345.1	111	106.3	132.3
pH		s.u.		3.91	3.33	4.69	4.25	4.67
Specific Conductance		uS/cm		268	64	793	241	150
Temperature		Deg C		16.28	16.68	12.67	19.84	16.1

Table 3-1
Summary of April 2012 Groundwater Results in Unit A
Compared to NC 2L Groundwater Quality Standards
Hamilton Beach Brands, Inc.
Washington, Beaufort County, NC

	Sample ID:		MW-GAW-2	NW-D-9	NW-F-2	NW-G-12	NW-K-6	NW-P-0
	Collection Date:		4/25/2012	4/25/2012	4/24/2012	4/25/2012	4/24/2012	4/24/2012
Parameters	**Standard**	**Units**	DUP					

Regulatory Limit Types

2M - NC 2L GW Quality Stds (2010)

IT - NC Interim 2L Stds (2010)

Flags

j - Estimated value

Table 3-2. TCOC Unit A – April 2012
Hamilton Beach Brands, Inc., Washington, NC

Sampling Point	October 2011			April 2012				
	Concentration (ug/L)	Difference from Maximum	% Difference from Maximum	Concentration (ug/L)	Difference from Maximum	% Difference from Maximum	Difference from Oct 2011	% Difference from Oct 2011
NW-D-9	101,433	-113,805	-53	101,776	-113,462	-53	343	0
NW-F-2	5	-319	-98	4	-320	-99	-1	-20
NW-G-12	2,447	-33,840	-93	1,068	-35,219	-97	-1,379	-56
NW-K-6	23,301	-16,746	-42	10,086	-29,961	-75	-13,215	-57
NW-P-0	64	-3,460	-98	119	-3,405	-97	55	86
MW-211	18	-1,204	-99	21	-1,201	-98	3	17
MW-213	407	-529	-56	369	-567	-61	-38	-9
MW-219	3	-4	-56	2	-5	-71	-1	-33
MW-229	101	-8,174	-99	1,076	-7,199	-87	975	965
MW-ERH2	18,901	-24,124	-56	14,343	-28,682	-67	-4,558	-24
MW-GAW2	21	-2,150	-99	190	-1,981	-91	169	805

Percent (%) Difference values are rounded to the nearest whole number.

During the six-month period between October 2011 and April 2012, the TCOC decreased in six wells, increased in four wells, and remained essentially unchanged in one well. The decrease in TCOC over six months ranged from 9 percent at well MW-213 to 57 percent at well NW-K-6. The increase in TCOC ranged from 17 percent at well MW-211 to 965 percent at well MW-229. While higher than six months ago, the TCOC at well MW-229 is, nevertheless, 87 percent below its recorded maximum value.

Graphs included in Appendix C-1 complement the evaluation of trends in TCOC in Unit A. The graphs, which illustrate trends over the entire period of record and include the results through the October 2012 sampling event, are discussed in Section 4.

The concentrations of individual COCs detected historically in Unit A wells during long term monitoring are tabulated in Appendix D-1.

3.1.2 Unit B

Table 3-3 summarizes the analytical results for the groundwater samples collected from five monitoring wells and one sampling implant (also referred to as a well) completed in Unit B. Table 3-3 also lists the 2L Standards for Class GA groundwater. The well locations are shown on Figure 2-1.

Eighteen VOCs were detected, seven at concentrations that exceeded the 2L Standards in one or more wells. At least two VOCs exceeded the 2L Standards in each of the six wells sampled. Consistent with previous sampling results, the VOCs were primarily the degradation compounds of chlorinated solvents. Isolated detections of benzene, ethylbenzene, toluene, xylenes, and naphthalene were also reported; however, other than benzene and naphthalene in well MW-227, concentrations of these petroleum-related compounds were well below the 2L Standards. The lowest concentrations of analytes in Unit B were reported at wells M-2 and MW-227. In contrast, the highest concentrations of analytes were detected near the center of the plume at well MW-209 and in the northern lobe of the plume at wells NW-R-14 and NW-AB-19.

The TCOC at each of the Unit B wells sampled in April 2012 is shown in Table 3-4 along with the TCOC measured during the previous sampling event in October 2011. The table also shows the percent differences between the TCOC on these dates and between the maximum TCOC measured during the period of record. The table indicates that the TCOC has decreased from the maximum value recorded for the period of record at all wells except NW-R-14, which experienced a new maximum TCOC increasing from the previous maximum value by 31 percent. The increase in TCOC was due primarily to the temporary accumulation of degradation compounds. At the other wells, the decrease from the maximum recorded TCOC ranged from 90 percent at well M-2 to 99 and 100 percent at wells MW-227 and NW-E-9, respectively.

Table 3-3
Summary of April 2012 Groundwater Results in Unit B
Compared to NC 2L Groundwater Quality Standards
Hamilton Beach Brands, Inc.
Washington, Beaufort County, NC

	Sample ID:		M-2	MW-209	MW-227	NW-AB-19	NW-E-9	NW-R-14
	Collection Date:		4/24/2012	4/24/2012	4/25/2012	4/24/2012	4/25/2012	4/25/2012
Parameters	**Standard**	**Units**						
VOC								
Benzene	1 (2M)	ug/l	< 0.2	< 0.4	4.1	< 1	< 0.2	< 10
Chloroethane	3000 (2M)	ug/l	41.5	1,340	66.6	183	71.3	1,260
1,1-Dichloroethane	6 (2M)	ug/l	16.3	106	.33 j	70.4	40.5	4,010
1,2-Dichloroethane	0.4 (2M)	ug/l	2.4	38	.81 j	12	< 0.2	179
1,1-Dichloroethene	7 (2M)	ug/l	.4 j	10.6	< 0.23	8.4	< 0.23	6,050
cis-1,2-Dichloroethene	70 (2M)	ug/l	< 0.26	30.7	< 0.26	65.7	1.3	5,580
trans-1,2-Dichloroethene	100 (2M)	ug/l	< 0.35	5	1.1	< 1.8	49.9	36.8 j
Ethylbenzene	600 (2M)	ug/l	< 0.2	< 0.4	7.7	< 1	< 0.2	< 10
p-Isopropyltoluene	25 (IT)	ug/l	< 0.21	< 0.42	< 0.21	< 1.1	< 0.21	< 11
Naphthalene (VOA)	6 (2M)	ug/l	< 1	< 2	7.6	< 5	< 1	< 50
n-Propylbenzene	70 (2M)	ug/l	< 0.2	< 0.4	1.2	< 1	< 0.2	< 10
Tetrachloroethene	0.7 (2M)	ug/l	< 0.25	< 0.5	< 0.25	< 1.3	< 0.25	< 13
Toluene	600 (2M)	ug/l	.97 j	10.8	1.4	4.8 j	.59 j	232
1,1,1-Trichloroethane	200 (2M)	ug/l	< 0.2	< 0.4	< 0.2	< 1	< 0.2	< 10
Trichloroethene	3 (2M)	ug/l	< 0.26	< 0.52	< 0.26	< 1.3	< 0.26	< 13
1,2,4-Trimethylbenzene	400 (2M)	ug/l	< 0.27	< 0.54	9.6	< 1.4	< 0.27	< 14
Vinyl chloride	0.03 (2M)	ug/l	< 0.22	20.2	< 0.22	255	1.4	794
Xylenes (Total)	500 (2M)	ug/l	< 0.52	< 1.04	3.27	< 2.6	< 0.52	< 26
Other								
Ethane		mg/l			.03	.00586	.601 j	
Ethene		mg/l			.00058 j	.0297	.238 j	
Methane		mg/l			16.2	13.4	11	
Field Parameters								
Dissolved oxygen		mg/l	.57	2.09	.16	1.2	.63	.26
Oxidation reduction potential		mV	-50.7	36.4	-139.6	38.6	-7.8	95.3
pH		s.u.	6.25	5.66	6.89	4.81	5.8	4.71
Specific Conductance		uS/cm	887	855	1,358	241	622	1,314
Temperature		Deg C	18.57	21.88	20.62	18.23	17.54	20.74

Table 3-3
Summary of April 2012 Groundwater Results in Unit B
Compared to NC 2L Groundwater Quality Standards
Hamilton Beach Brands, Inc.
Washington, Beaufort County, NC

	Sample ID:		M-2	MW-209	MW-227	NW-AB-19	NW-E-9	NW-R-14
	Collection Date:		4/24/2012	4/24/2012	4/25/2012	4/24/2012	4/25/2012	4/25/2012
Parameters	**Standard**	**Units**						

Notes:
IT - Interim Maximum Allowable Concentrations established under 15A NCAC 2L .0202, effective June 1, 2011
2M - NC 2L Groundwater Quality Standards specified in 15A NCAC 02L .0202, effective January 1, 2010
< - Not detected at the specified detection limit
µg/L - Micrograms per Liter
µS/cm - Microsiemens per centimeter
Deg C - Degrees Celsius
j - Estimated value
mg/L - Milligrams per Liter
mV - Millivolts
s.u. - Standard units
SVOC - Semivolatile organic compounds
u - Not present above the associated level; blank contamination exists
VOA - Volatile organic analysis
VOC - Volatile organic compounds

This table presents the results of all analytes detected. Sample results have been qualified by URS based on the results of the data review process, which is modeled after the *USEPA Contract Laboratory Program National Functional Guidelines (NFG) for Superfund Organic Methods Data Review* (EPA, June 2008). A blank cell indicates that the sample was not analyzed for the associated parameter.

NC Groundwater quality standards for the protection of the groundwater are specified in 15A NCAC 2L .0200. A bold border indicates the concentration is greater than the standard.

As with Unit A, short-term fluctuations in Unit B TCOC were experienced during the six-month period between October 2011 and April 2012. The TCOC increased in two wells and decreased in four wells. The decrease in TCOC over six months ranged from 15 percent at well NW-E-9 to 92 percent at well MW-209, whereas the increase in TCOC ranged from 5 percent at well M-2 to 31 percent at well NW-R-14. Despite the recent increase, the TCOC at well M-2 still remains significantly below the maximum recorded value. However, as stated above, the TCOC at well NW-R-14 represents a new maximum value.

Graphs included in Appendix C-2 complement the evaluation of trends in TCOC in Unit B. The graphs, which illustrate trends over the entire period of record and include the results through the October 2012 sampling event, are discussed in Section 4.

The concentrations of individual COCs reported historically in Unit B during long term monitoring are tabulated in Appendix D-2.

3.2 Surface Water

Table 3-5 summarizes the analytical results of the two surface water samples collected from the drainage ditch in April 2012. The table also lists the surface water quality standards (2B Standards) for Class C freshwater. As shown on Figure 2-1, sampling point W81 is the downstream location and sampling point W82 is the upstream location.

Nine VOCs, similar to those detected in groundwater, including several degradation compounds were detected in surface water. Of of the 9 VOCs detected, only VC exceeded the 2B Standard for Class C freshwater in both samples. The presence of VC at levels exceeding the standard in samples collected in April is consistent with historical results dating back to 2009.

Historical results for the two surface water sampling points during long term monitoring are tabulated in Appendix D-3.

Table 3-4. TCOC Unit B – April 2012
Hamilton Beach Brands, Inc., Washington, NC

Sampling Point	October 2011			April 2011				
	Concentration (ug/L)	Difference from Maximum	% Difference from Maximum	Concentration (ug/L)	Difference from Maximum	% Difference from Maximum	Difference from Oct 2011	% Difference from Oct 2011
NW-AB -19	710	-5,601	-89	584	-5,727	-91	-126	-18
NW-E-9	135	-27,106	-100	115	-27,126	-100	-20	-15
NW-R-14	13,490	0	0	17,712	0	0	4,222	31
MW-209	22,632	0	0	1,808	-20,824	-92	-20,824	-92
MW-227	87	-12,560	-99	68	-12,579	-99	-19	-22
M - 2	56	-551	-91	59	-548	-90	3	5

Percent (%) Difference values are rounded to the nearest whole number.

Table 3-5
Summary of April 2012 Surface Water Results
Compared to NC 2B Class C Freshwater Quality Standards
Hamilton Beach Brands, Inc.
Washington, Beaufort County, NC

	Sample ID:		W-81	W-82				
	Collection Date:		4/24/2012	4/24/2012				
Parameters	**Standard**	**Units**						
VOC								
Benzene	51 (H2)	ug/l	< 0.2	< 0.2				
Chloroethane	550 (H2)	ug/l	20.4	36.3				
1,1-Dichloroethane	20000 (A3)	ug/l	9.4	24.7				
1,2-Dichloroethane	37 (H2)	ug/l	< 0.2	< 0.2				
1,1-Dichloroethene	5400 (A3)	ug/l	.72 j	1.3				
cis-1,2-Dichloroethene	4900 (H2)	ug/l	47.3	65.5				
trans-1,2-Dichloroethene	10000 (H2)	ug/l	.43 j	.92 j				
Ethylbenzene	97 (A3)	ug/l	< 0.2	< 0.2				
p-Isopropyltoluene		ug/l	< 0.21	< 0.21				
Naphthalene (VOA)	330 (A3)	ug/l	< 1	< 1				
n-Propylbenzene	3200 (H2)	ug/l	< 0.2	< 0.2				
Tetrachloroethene	3.3 (H2)	ug/l	< 0.25	< 0.25				
Toluene	11 (A3)	ug/l	.25 j	.34 j				
1,1,1-Trichloroethane	2500 (A3)	ug/l	1.6	1.9				
Trichloroethene	30 (H2)	ug/l	2.5	< 0.26				
1,2,4-Trimethylbenzene	390 (A3)	ug/l	< 0.27	< 0.27				
Vinyl chloride	2.4 (H2)	ug/l	8.2	16.7				
Xylenes (Total)	670 (A3)	ug/l	< 0.52	< 0.52				
Field Parameters								
Dissolved oxygen		mg/l	5.04	3.6				
Oxidation reduction potential		mV	83.9	60				
pH		s.u.	6.72	5.9				
Specific Conductance		uS/cm	186	154				
Temperature		Deg C	12.51	13.16				

Regulatory Limit Types

A3 - Aquatic Life (2010)

H2 - Human Health (2010)

Flags

j - Estimated value

4.0 RESULTS OF OCTOBER 2012 MONITORING

This section presents the analytical results for 17 groundwater samples and for two surface water samples collected at the site in October 2012.

4.1 Groundwater

The analytical results for groundwater samples collected from hydrostratigraphic Units A and B are discussed below.

4.1.1 Unit A

Table 4-1 summarizes the analytical results for the groundwater samples collected from 11 monitoring wells completed in Unit A. The table also lists the 2L Standards for Class GA groundwater. The well locations are shown on Figure 2-1.

Seventeen VOCs were detected during this sampling event, eleven at concentrations that exceeded the 2L Standards in one or more wells. No VOCs exceeded the 2L Standards in wells MW-219 and NW-F-2. Concentrations at wells MW-GAW2 and NW-P-0 exceeded the 2L standards for degradation compounds 11DCA and VC only. As in the April monitoring event, the highest concentrations of analytes reported were associated with wells NW-D-9, MW-ERH2, NW-K-6, and NW-G-12.

Consistent with previous sampling results, the VOCs that were detected were primarily chlorinated solvents and their degradation compounds. However, benzene was also detected above the 2L Standards in one monitoring well (NW-G-12) located in an area where petroleum constituents have historically been reported. Naphthalene was also detected above the standard in well NW-G-12. Other petroleum-related VOCs were also reported in this area at concentrations below the 2L Standards. As in April, the petroleum-related SVOC, 3&4-methylnaphthalene, was reported in well MW-ERH2, but at a concentration below the 2L standard.

The TCOC at each of the 11 Unit A wells sampled in October 2012 is shown in Table 4-2 along with the TCOC measured during the previous sampling event in April 2012. The table also shows the percent differences between the TCOC on these dates and between the maximum TCOC measured during the period of record. The TCOC has decreased from the maximum recorded value at all 11 wells. The decrease from the maximum TCOC ranges from 53 percent at well NW-D-9 to 98 percent at wells MW-229 and NW-F-2.

Table 4-1
Summary of October 2012 Groundwater Results in Unit A
Compared to NC 2L Groundwater Quality Standards
Hamilton Beach Brands, Inc.
Washington, NC

	Sample ID:		MW-211	MW-213	MW-219	MW-229	MW-ERH-2	MW-GAW-2
	Collection Date:		10/8/2012	10/8/2012	10/8/2012	10/8/2012	10/9/2012	10/9/2012
Parameters	**Standard**	**Units**						
VOC								
Benzene	1 (2M)	ug/l	< 0.21	.54 j	< 0.21	< 0.21	< 21	.43 j
Chloroethane	3000 (2M)	ug/l	< 0.5	< 0.5	< 0.5	4.9	382	6.5
1,1-Dichloroethane	6 (2M)	ug/l	5.2	74.9	.53 j	32.1	890	34.3
1,2-Dichloroethane	0.4 (2M)	ug/l	< 0.22	2.2	< 0.22	< 0.22	< 22	< 0.22
1,1-Dichloroethene	7 (2M)	ug/l	2	93.8	< 0.2	44.9	2,820	4.8 j
cis-1,2-Dichloroethene	70 (2M)	ug/l	170	55.8	< 0.24	66.5	3,150	3 j
trans-1,2-Dichloroethene	100 (2M)	ug/l	10.1	1.8	< 0.23	1.6	< 23	< 0.23
Ethylbenzene	600 (2M)	ug/l	< 0.29	< 0.29	< 0.29	< 0.29	< 29	< 0.29
Naphthalene (VOA)	6 (2M)	ug/l	< 1	2.2 j	< 1	< 1	< 100	1.8 j
n-Propylbenzene	70 (2M)	ug/l	< 0.23	< 0.23	< 0.23	< 0.23	< 23	< 0.23
Tetrachloroethene	0.7 (2M)	ug/l	< 0.32	< 0.32	< 0.32	< 0.32	< 32	< 0.32
Toluene	600 (2M)	ug/l	< 0.2	.27 j	< 0.2	< 0.2	450	.45 j
1,1,1-Trichloroethane	200 (2M)	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 20	< 0.2
Trichloroethene	3 (2M)	ug/l	10.1	24.5	< 0.31	< 0.31	< 31	1.1
1,2,4-Trimethylbenzene	400 (2M)	ug/l	< 0.2	< 0.2	< 0.2	< 0.2	< 20	.77 j
Vinyl chloride	0.03 (2M)	ug/l	5.8	74.6	< 0.44	46.6	5,100	16.8 j
Xylenes (Total)	500 (2M)	ug/l	< 0.5	1.34 j	< 0.5	< 0.5	< 50	1.3
SVOC								
2-Methylnaphthalene	30 (2M)	ug/l					2.3 j	< 0.66
3&4-Methylphenol (m&p-cresol)	40 (2M)	ug/l					12.8 j	< 1.3
Other								
Ethane		mg/l				.0185	< 0.00032	
Ethene		mg/l				.0514	< 0.00043	
Methane		mg/l				3.25	< 0.00016	
Field Parameters								
Dissolved oxygen		mg/l	1.91	2.79	3.65	1.17	2.33	.97
Oxidation reduction potential		mV	103.1	13.3	115.7	21	-384.9	-406.8
pH		s.u.	5.16	5.45	5.39	5.74	5.18	5.62
Specific Conductance		uS/cm	149	451	171	565	3,308	543
Temperature		Deg C	20.5	23.87	18.49	21.27	23.12	25.3

Table 4-1
Summary of October 2012 Groundwater Results in Unit A
Compared to NC 2L Groundwater Quality Standards
Hamilton Beach Brands, Inc.
Washington, NC

	Sample ID:		MW-GAW-2	NW-D-9	NW-F-2	NW-G-12	NW-K-6	NW-P-0
	Collection Date:		10/9/2012	10/9/2012	10/8/2012	10/9/2012	10/8/2012	10/8/2012
Parameters	**Standard**	**Units**	DUP					
VOC								
Benzene	1 (2M)	ug/l	.48 j	< 21	< 0.21	20.6	< 11	< 0.21
Chloroethane	3000 (2M)	ug/l	6.7	< 50	< 0.5	417 j	839	18.9
1,1-Dichloroethane	6 (2M)	ug/l	39.2	882	2.6	358	3,730	12.6
1,2-Dichloroethane	0.4 (2M)	ug/l	< 0.22	< 22	< 0.22	21.6	70.6	< 0.22
1,1-Dichloroethene	7 (2M)	ug/l	7.8 j	1,090	3.5	355	3,130	2.6
cis-1,2-Dichloroethene	70 (2M)	ug/l	4.7 j	91,900	< 0.24	448 j	6,380	62.5
trans-1,2-Dichloroethene	100 (2M)	ug/l	< 0.23	527	< 0.23	44.3	< 11	3.7
Ethylbenzene	600 (2M)	ug/l	< 0.29	< 29	< 0.29	17	< 15	< 0.29
Naphthalene (VOA)	6 (2M)	ug/l	1.1 j	< 100	< 1	54.2	< 50	< 1
n-Propylbenzene	70 (2M)	ug/l	< 0.23	< 23	< 0.23	5.4	< 11	< 0.23
Tetrachloroethene	0.7 (2M)	ug/l	< 0.32	267	< 0.32	< 1.6	< 16	< 0.32
Toluene	600 (2M)	ug/l	.48 j	< 20	< 0.2	14.8	51.2	.33 j
1,1,1-Trichloroethane	200 (2M)	ug/l	< 0.2	< 20	< 0.2	< 1	3,420	< 0.2
Trichloroethene	3 (2M)	ug/l	1.4	2,840	< 0.31	< 1.6	654	< 0.31
1,2,4-Trimethylbenzene	400 (2M)	ug/l	.73 j	< 20	< 0.2	55.7	< 10	.2 j
Vinyl chloride	0.03 (2M)	ug/l	23.2 j	3,980	< 0.44	554	369	5.6
Xylenes (Total)	500 (2M)	ug/l	1.6	< 50	< 0.5	46	< 25	< 0.5
SVOC								
2-Methylnaphthalene	30 (2M)	ug/l						
3&4-Methylphenol (m&p-cresol)	40 (2M)	ug/l						
Other								
Ethane		mg/l		.0612				
Ethene		mg/l		.289				
Methane		mg/l		7.85				
Field Parameters								
Dissolved oxygen		mg/l		.77	1.12	1.16	1.43	1.62
Oxidation reduction potential		mV		-295.8	200.2	-128.4	43.7	114.2
pH		s.u.		5.09	4.59	5.34	5.02	5.31
Specific Conductance		uS/cm		354	66	970	298	146
Temperature		Deg C		20.83	20.24	23.38	24.62	18.99

Table 4-1
Summary of October 2012 Groundwater Results in Unit A
Compared to NC 2L Groundwater Quality Standards
Hamilton Beach Brands, Inc.
Washington, NC

	Sample ID:		MW-GAW-2	NW-D-9	NW-F-2	NW-G-12	NW-K-6	NW-P-0
	Collection Date:		10/9/2012	10/9/2012	10/8/2012	10/9/2012	10/8/2012	10/8/2012
Parameters	**Standard**	**Units**	DUP					

Regulatory Limit Types

2M - NC 2L GW Quality Stds (2010)

Flags

j - Estimated value

Table 4-2. TCOC Unit A – October 2012
Hamilton Beach Brands, Inc., Washington, NC

Sampling Point	April 2012			October 2012				
	Concentration (ug/L)	Difference from Maximum	% Difference from Maximum	Concentration (ug/L)	Difference from Maximum	% Difference from Maximum	Difference from Apr 2012	% Difference from Apr 2012
NW-D-9	101,776	-113,462	-53	100,994	-114,244	-53	-782	-1
NW-F-2	4	-320	-99	7	-317	-98	3	75
NW-G-12	1,068	-35,219	-97	2,134	-34,153	-94	1,066	100
NW-K-6	10,086	-29,961	-75	18,530	-21,517	-54	8,444	84
NW-P-0	119	-3,405	-97	103	-3,421	-97	-16	-13
MW-211	21	-1,201	-98	194	-1,028	-84	173	824
MW-213	369	-567	-61	324	-612	-65	-45	-12
MW-219	2	-5	-71	2	-5	-71	0	0
MW-229	1,076	-7,199	-87	195	-8,080	-98	-881	-82
MW-ERH2	14,343	-28,682	-67	12,384	-30,641	-71	-1,959	-14
MW-GAW2	190	-1,981	-91	67	-2,104	-97	-123	-65

Percent (%) Difference values are rounded to the nearest whole number.

In the six-month period between April and October 2012, the TCOC decreased in six wells, increased in four wells, and remained essentially unchanged in one well. The decrease in TCOC over six months ranged from 1 percent at well NW-D-9 to 82 percent at well MW-229, whereas the increase in TCOC ranged from 75 percent at well NW-F-2 to 824 percent at well MW-211. However, the TCOC remained below the maximum levels recorded at those locations where an increase in concentration from April 2012 levels was measured.

Graphs included in Appendix C-1 complement the evaluation of trends in TCOC. The graphs plot the concentrations of the eight COCs that comprise TCOC and include data from LTM sampling, performance monitoring, and pre-injection plume delineation. Well ERH2 continued to exhibit a moderate decline in cDCE and11DCE while 11DCA, CA, and VC were stable. At well NW-K-6, VOC concentrations exhibited considerable fluctuations with no apparent trends. Generally stable or slowly declining trends in the concentrations of COCs are shown in the remainder of the graphs. The stable trends evident in the graphs for wells NW-F-2, NW-P-0, MW-211, and MW-219 reflect COCs at concentrations that are below or approaching the 2L Standards, whereas those of most other wells appear to reflect slowing rates of degradation.

Despite the apparent accumulation of degradation compounds at several wells, the presence of ethene and ethane in groundwater (see Tables 3-1 and 4-1) at greater than background concentrations (typically less than 0.0005 mg/L) suggests that complete reductive dechlorination is occurring and that ultimately the degradation compounds will be eliminated. Also, elevated levels of methane (see Tables 3-1 and 4-1) indicate that biodegradation processes may also be occurring in addition to the abiotic reductive dechlorination attributed to ZVI injection.

The concentrations of individual COCs detected historically in Unit A wells during long term monitoring are tabulated in Appendix D-1.

4.1.2 Unit B

Table 4-3 summarizes the analytical results for the groundwater samples collected from five monitoring wells and one sampling implant completed in Unit B. The table also lists the 2L Standards for Class GA groundwater. The well locations are shown on Figure 2-1.

Fourteen VOCs were detected, seven at concentrations that exceeded the 2L Standards in one or more wells. Only 12DCA exceeded the 2L Standard in well M-2; benzene, naphthalene, and 12DCA exceeded the 2L Standards in well MW-227; and, only

Table 4-3
Summary of October 2012 Groundwater Results in Unit B
Compared to NC 2L Groundwater Quality Standards
Hamilton Beach Brands, Inc.
Washington, NC

	Sample ID:		M-2	MW-209	MW-227	NW-AB-19	NW-E-9	NW-R-14
	Collection Date:		10/8/2012	10/8/2012	10/9/2012	10/8/2012	10/9/2012	10/9/2012
Parameters	**Standard**	**Units**						
VOC								
Benzene	1 (2M)	ug/l	< 0.21	< 0.42	3	< 1.1	< 0.21	18.4 j
Chloroethane	3000 (2M)	ug/l	58.6	898	48	275	57.8	1,250
1,1-Dichloroethane	6 (2M)	ug/l	< 0.21	82.7	< 0.21	54.1	33.8	1,500
1,2-Dichloroethane	0.4 (2M)	ug/l	2.4	22	.49 j	18.8	< 0.22	74.2
1,1-Dichloroethene	7 (2M)	ug/l	< 0.2	11.6	< 0.2	7.1	< 0.2	3,740
cis-1,2-Dichloroethene	70 (2M)	ug/l	< 0.24	27.8	< 0.24	44.2	< 0.24	2,760
trans-1,2-Dichloroethene	100 (2M)	ug/l	< 0.23	1.9 j	.63 j	< 1.1	58.2	< 11
Ethylbenzene	600 (2M)	ug/l	< 0.29	< 0.58	6.3	< 1.5	< 0.29	< 15
Naphthalene (VOA)	6 (2M)	ug/l	< 1	< 2	10.2	< 5	< 1	< 50
n-Propylbenzene	70 (2M)	ug/l	< 0.23	< 0.45	.88 j	< 1.1	< 0.23	< 11
Tetrachloroethene	0.7 (2M)	ug/l	< 0.32	< 0.64	< 0.32	< 1.6	< 0.32	< 16
Toluene	600 (2M)	ug/l	.79 j	3.7	1.9	5.8	.54 j	143
1,1,1-Trichloroethane	200 (2M)	ug/l	< 0.2	< 0.4	< 0.2	< 1	< 0.2	< 10
Trichloroethene	3 (2M)	ug/l	< 0.31	< 0.63	< 0.31	< 1.6	< 0.31	< 16
1,2,4-Trimethylbenzene	400 (2M)	ug/l	< 0.2	< 0.4	7.9	< 1	< 0.2	13 j
Vinyl chloride	0.03 (2M)	ug/l	< 0.44	20.2	< 0.44	181	.77 j	524
Xylenes (Total)	500 (2M)	ug/l	< 0.5	< 0.99	3.8 j	< 2.5	< 0.5	122.9 j
Other								
Ethane		mg/l			< 0.00032	.0114	.936	
Ethene		mg/l			< 0.00043	.0272	.704	
Methane		mg/l			< 0.00016	14.4	14.9	
Field Parameters								
Dissolved oxygen		mg/l	.37	1.88	.54	.19	.36	2.97
Oxidation reduction potential		mV	-66.6	23.5	-415.2	-9.3	-349.2	-390.2
pH		s.u.	6.33	5.46	5.8	5.75	5.21	5.48
Specific Conductance		uS/cm	811	302	1,448	276	676	742
Temperature		Deg C	19.76	19.27	22.43	18.71	18.88	21.11

Table 4-3
Summary of October 2012 Groundwater Results in Unit B
Compared to NC 2L Groundwater Quality Standards
Hamilton Beach Brands, Inc.
Washington, NC

	Sample ID:		M-2	MW-209	MW-227	NW-AB-19	NW-E-9	NW-R-14
	Collection Date:		10/8/2012	10/8/2012	10/9/2012	10/8/2012	10/9/2012	10/9/2012
Parameters	**Standard**	**Units**						

Regulatory Limit Types

2M - NC 2L GW Quality Stds (2010)

Flags

j - Estimated value

11DCA and VC exceeded the 2L Standards in well NW-E-9. Consistent with previous sampling results, the VOCs detected in Unit B were primarily the degradation compounds of chlorinated solvents. Isolated detections of benzene, ethylbenzene, toluene, xylenes, and naphthalene were also reported. However, other than benzene and naphthalene in well MW-227, concentrations of these petroleum-related compounds were well below the 2L Standards. In contrast to the low levels of VOCs reported at wells M-2 and MW-227, the highest concentrations of VOCs in Unit B were detected in wells NW-R-14 and MW-209.

The TCOC at each of the Unit B wells sampled in October 2012 is shown in Table 4-4 along with the TCOC measured during the previous sampling event in April 2012. The table also shows the percent differences between the TCOC on these dates and between the maximum TCOC measured during the period of record. The table indicates that the TCOC has decreased from the maximum value recorded for the period of record at all six wells. The decrease from the maximum recorded TCOC ranged from 45 percent at well NW-R-14 to essentially 100 percent at wells NW-E-9 and MW-227.

In the six-month period between April and October 2012, the TCOC decreased in all but one well. The decrease in TCOC over six months ranged from 3 percent at well NW-AB-19 to 45 percent at well NW-R-14. Conversely, the TCOC increased by 2 percent at well M-2.

Graphs for the six wells sampled in Unit B, which plot the concentrations of the COCs that comprise TCOC, are included in Appendix C-2., the graph continues to exhibit moderate declining trends in COC concentrations. The COC trends for wells MW-209 and NW-R-14 exhibit wide fluctuations that are attributed to the formation and temporary accumulation of degradation compounds. Generally stable or slowly declining trends in the concentrations of COCs are seen in the graphs for the remaining wells. COC concentrations at wells M-2 and NW-E-9 have nearly attained the 2L Standards. Similarly, at well MW-227, trends have stabilized as most chlorinated COCs have reached trace levels and two petroleum-related compounds, benzene and naphthalene remain at concentrations that slightly exceed the 2L Standards. Lastly, at well NW-AB-19, the graph reflects slowing rates of degradation and the formation of lower chlorinated compounds.

Table 4-4. TCOC Unit B – October 2012
Hamilton Beach Brands, Inc., Washington, NC

Sampling Point	April 2012			October 2012				
	Concentration (ug/L)	Difference from Maximum	% Difference from Maximum	Concentration (ug/L)	Difference from Maximum	% Difference from Maximum	Difference from April 2012	% Difference from April 2012
NW-AB -19	584	-5,727	-91	564	-5,747	-91	-20	-3
NW-E-9	115	-27,126	-100	93	-27,148	-100	-22	-19
NW-R-14	17,712	0	0	9,795	-7,917	-45	-7,917	-45
MW-209	1,508	-21,124	-93	1,041	-21,591	-95	-467	-31
MW-227	68	-12,579	-99	49	-12,598	-100	-19	-28
M - 2	59	-548	-90	60	-547	-90	1	2

Percent (%) Difference values are rounded to the nearest whole number.

As in Unit A, the presence of ethene and ethane (see Tables 3-3 and 4-3) at greater than background concentrations suggests that complete reductive dechlorination is occurring. Also, elevated levels of methane (see Tables 3-3 and 4-3) indicate that biodegradation processes may also be occurring in addition to the abiotic reductive dechlorination due to ZVI injection.

The concentrations of individual COCs reported historically in Unit B during long term monitoring are tabulated in Appendix D-2.

4.2 Surface Water

Table 4-5 summarizes the analytical results of the two surface water samples collected from the drainage ditch in October 2012. The table also lists the 2B Standards for Class C freshwater. As shown on Figure 2-1, sampling point W81 is the downstream location and sampling point W82 is the upstream location.

Five VOCs were detected in surface water in October as compared to eight VOCs in April. None of the VOCs detected in October, including VC, exceeded the 2B Standards.

Historical results for the two surface water sampling points during long term monitoring are tabulated in Appendix D-3.

Table 4-5
Summary of October 2012 Surface Water Results
Compared to NC 2B Class C Freshwater Quality Standards
Hamilton Beach Brands, Inc.
Washington, NC

	Sample ID:		W-81	W-82				
	Collection Date:		10/8/2012	10/8/2012				
Parameters	**Standard**	**Units**						
VOC								
Benzene	51 (H2)	ug/l	< 0.21	< 0.21				
Chloroethane		ug/l	< 0.5	< 0.5				
1,1-Dichloroethane	100 (H2)	ug/l	1.6	< 0.21				
1,2-Dichloroethane	37 (H2)	ug/l	< 0.22	< 0.22				
1,1-Dichloroethene	1500 (A3)	ug/l	< 0.2	< 0.2				
cis-1,2-Dichloroethene	720 (H2)	ug/l	.45 j	< 0.24				
trans-1,2-Dichloroethene	10000 (H2)	ug/l	< 0.23	< 0.23				
Ethylbenzene	97 (A3)	ug/l	< 0.29	< 0.29				
Naphthalene (VOA)	12 (A3)	ug/l	< 1	< 1				
n-Propylbenzene	3200 (H2)	ug/l	< 0.23	< 0.23				
Tetrachloroethene	3.3 (H2)	ug/l	< 0.32	< 0.32				
Toluene	11 (A3)	ug/l	< 0.2	< 0.2				
1,1,1-Trichloroethane	2500 (A3)	ug/l	6.8	< 0.2				
Trichloroethene	30 (H2)	ug/l	< 0.31	< 0.31				
1,2,4-Trimethylbenzene	390 (A4)	ug/l	< 0.2	1.5 j				
Vinyl chloride	2.4 (H2)	ug/l	< 0.44	< 0.44				
Xylenes (Total)	670 (A3)	ug/l	< 0.5	< 0.5				
Field Parameters								
Dissolved oxygen		mg/l	7.01	7.59				
Oxidation reduction potential		mV	178.7	188.1				
pH		s.u.	7.04	7.56				
Specific Conductance		uS/cm	174	116				
Temperature		Deg C	16.04	15.81				

Regulatory Limit Types

A3 - Aquatic Life (2012)

A4 - Aquatic Life (Limited Data)

H2 - Human Health (2012)

Flags

j - Estimated value

Table 4-5
Summary of October 2012 Surface Water Results
Compared to NC 2B Class C Freshwater Quality Standards
Hamilton Beach Brands, Inc.
Washington, NC

Notes:
< - Not detected at the specified detection limit

µg/L - Micrograms per Liter
µS/cm - Microsiemens per centimeter
Deg C - Degrees Celsius
mg/L - Milligrams per Liter
mV - Millivolts
s.u. - Standard units

A3 - Aquatic Life
A4 - Aquatic Life (Limited Data)
H2 - Human Health

j - Estimated value
VOA - Volatile organic analysis
VOC - Volatile organic compounds

This table presents the results of all analytes detected. Sample results have been qualified by URS based on the results of the data review process, which is modeled after the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Superfund Organic Methods Data Review* (EPA, June 2008). The NC 2B water quality standards for the protection of Class C freshwater were obtained from the "EPA and NC Criteria" table (August 16, 2012) and communication with the NC DENR Division of Water Quality-Classification and Standards Unit on November 29, 2012 and December 3, 2012. A bold border indicates the concentration is greater than the standard.

5.0 CONCLUSIONS

The concentrations of COCs have been reduced throughout the plume in Unit A as TCOC has decreased from maximum levels in all wells sampled. The greatest reduction in TCOC within Unit A has occurred in the southeastern lobe of the plume where the COCs at wells NW-F-2 and MW-219 have been reported at concentrations below the 2L Standards. A similar reduction in TCOC has occurred in the distal portion of the plume's northeastern lobe where COC concentrations at well NW-P-0 are approaching the 2L Standards. Likewise, COC concentrations at well MW-211, located near the plume's southwestern edge, are also approaching the 2L Standards. Within the interior of the plume in Unit A, TCOC at well NW-G-12 has been reduced by 94 percent, while TCOC at MW-GAW2 has decreased by 97 percent. TCOC concentrations remain high at well NW-D-9 located adjacent to a subsurface drain pipe in the southern part of the plume. The COCs in this area occur as a persistent "hotspot" forming a long, narrow lobe that extends southward from the well to the drainage ditch bordering the site. Despite a significant reduction in TCE within the "hotspot", total COC concentrations remain high as lower-chlorinated degradation compounds such as cDCE and VC are formed and ultimately discharge into the drainage ditch.

The greatest reduction in TCOC in Unit B has occurred underlying the former source area where it has decreased by essentially 100 percent and where the analytical results for well MW-227 indicate that COC concentrations continue to approach the 2L Standards. Similar results are noted within the plume's eastern lobe and near its southern end where TCOC has been reduced by 90 and 100 percent, respectively, and where COC concentrations at wells M-2 and NW-E-9 are also approaching the 2L standards. Conversely, TCOC attained a new maximum value in April 2012 at well NW-R-14.

The formation of intermediate degradation compounds and the continued presence of methane in groundwater suggest that biodegradation is occurring in addition to the abiotic dechlorination attributed to ZVI injection. Despite the formation of degradation compounds such as cDCE and VC, the presence of ethene and ethane in groundwater indicates that complete reductive dechlorination is occurring in both Unit A and Unit B. The accumulation of degradation compounds has slowed or is declining at most locations, and their concentrations should continue to decrease as the rate of degradation overtakes the rate of formation.

Surface water analysis indicates that chlorinated solvents and their degradation compounds are discharging from groundwater into a segment of the drainage ditch adjoining the plant site. In April 2012, only vinyl chloride was detected in surface water from both sampling points at concentrations that exceeded 2B surface water quality standards. In October 2012, no VOCs

were detected in either the upstream or downstream sample at concentrations exceeding the 2B surface water quality standards.

6.0 RECOMMENDATIONS

Long-term groundwater monitoring should be continued to evaluate the degradation of COCs at the site. As previously recommended, eight wells in Unit A (MW-ERH2, MW-GAW2, MW-211, MW-213, MW-219, MW-229, NW-D-9, and NW-P-0) and five wells in Unit B (MW-209, MW-227, NW-AB-19, NW-E-9, and NW-R-14) that comprise the LTM well network should be sampled semiannually in April and October of each year. Samples from all LTM wells should be analyzed for VOCs. Samples collected from wells MW-ERH2 and MW-GAW2 should also be analyzed for selected SVOCs.

To confirm that complete degradation is occurring, dissolved gas (ethane, ethene, and methane) samples should continue to be collected from wells MW-ERH2, MW-229, and NW-D-9 in Unit A and wells MW-227, NW-AB-19, and NW-E-9 in Unit B.

In conjunction with the LTM wells, samples should also be collected from wells NW-F-2, NW-G-12, and NW-K-6 in Unit A and sampling point M-2 in Unit B. Samples from these points, which should be analyzed for VOCs only, will provide supplemental data for assessing the progress of remediation. Monitoring of these sampling points should be terminated when data at these locations are no longer warranted.

Surface water should continue to be collected from sampling points W81 and W82 during each LTM event and analyzed for VOCs. Implementing additional remedial measures to address the "hotspot" located in the southern portion of the site will reduce the concentrations of COCs, minimize COC discharge to the ditch, and lower the risk to potential offsite receptors. A Focused Feasibility Study (FFS) Report (URS, 2011) recommended the implementation of a permeable reactive barrier (PRB). A PRB is a subsurface "wall" containing permeable reactive material installed perpendicular to groundwater flow to intercept and treat impacted groundwater and mitigate contravention of the NC 2B standards in the drainage ditch. Additional physical and chemical data is required to support the design of the PRB. Therefore, a pre-design investigation is being conducted to assess relevant subsurface conditions prior to initiating remedy design.

Lastly, well NW-G-12 should be repaired by installing a new well vault. Although the NW-G-12 is a supplemental well not required by the CAP, the well is important to monitoring groundwater quality in the southwestern lobe of the plume in Unit A.

7.0 REFERENCES

Radian International LLC, 1999.*Comprehensive Site Assessment Report, Hamilton Beach◊Proctor-Silex, Inc., Washington, North Carolina*, January.

URS Corporation-NC, 2002. *Corrective Action Plan, Hamilton Beach◊Proctor-Silex, Inc., Washington, North Carolina*, October.

URS Corporation-NC, 2008. *Long Term Monitoring Report, Hamilton Beach Brands Inc., Washington, North Carolina*, July.

URS Corporation-NC, 2009. *Long Term Monitoring Report, October 2008 Groundwater Sampling Event, Hamilton Beach Brands Inc., Washington, North Carolina*, February.

URS Corporation-NC, 2010. *Long Term Monitoring Report, April and October 2009 Groundwater Sampling Events, Hamilton Beach Brands Inc., Washington, North Carolina*, April.

URS Corporation-NC, 2011. *Long Term Monitoring Report, April and October 2010 Groundwater Sampling Events, Hamilton Beach Brands Inc., Washington, North Carolina*, January.

URS Corporation-NC, 2011. *Draft Focused Feasibility Study for Remediation of Surface Water Impacts, Hamilton Beach Brands Inc., Washington, North Carolina*, January.

URS Corporation-NC, 2012. *Long Term Monitoring Report, April and October 2011 Groundwater Sampling Events, Hamilton Beach Brands Inc., Washington, North Carolina*, May.

URS Corporation-NC and Alpine Field Services, 2002. *ZVI Pilot Test Report, Hamilton Beach◊Proctor-Silex, Inc., Washington, North Carolina*, July.

URS Corporation-NC, AST Environmental, Inc., and Remediation Products, Inc., 2006. *Injection Summary Report, Hamilton Beach◊Proctor-Silex, Inc., Washington, North Carolina*, October.

URS Corporation-NC and Remediation Products, Inc., 2007a. *One Year Post-Injection Performance Monitoring Report, Hamilton Beach◊Proctor-Silex, Inc., Washington, North Carolina*, January.

URS Corporation-NC and Remediation Services, Inc., 2007b. *Twenty Month Post-Injection Performance Monitoring Report, Hamilton Beach, Washington, North Carolina,* December.

URS Corporation-NC and Thermal Remediation Services, Inc., 2005. *Final Report, Electrical Resistance Heating Operation, Chlorinated Solvent Source Removal, Hamilton Beach◊Proctor-Silex, Inc., Washington, NC,* March.

U.S. EPA, 1999, *USEPA Contract Laboratory Program National Functional Guidelines for Organic Methods Data Review*, U. S. Environmental Protection Agency Office of Emergency and Remedial Response. EPA/540/R-99/008.

APPENDIX A

APPENDIX A-1

HISTORICAL PERFORMANCE MONITORING RESULTS FOR UNIT A SAMPLING POINTS

Appendix A-1
Historical Performance Monitoring Results for Unit A Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	South - A	South - A	South - A	South - A	South - A	South - A	South - A	South - A	South - A	South - A
Identification No.	C - 9	C - 9	C - 9	C - 9	C - 9	C - 9	C - 9	C - 9	C - 9	C - 9
Sample Depth	8' - 12'	8' - 12'	8' - 12'	8' - 12'	8' - 12'	8' - 12'	8' - 12'	8' - 12'	8' - 12'	8' - 12'
Date Sampled	3/2/2005	08/08/05	09/07/05	10/06/05	11/02/05	12/08/05	02/01/06	05/24/06	08/31/06	04/24/07
Date Analyzed	3/2/2005	08/14/05	09/11/05	10/11/05	11/08/05	12/18/05	02/08/06	06/01/06	09/07/06	04/29/07
(Units =µg/L)										
Propene	–	–	–	9.7 (5)	23 (5)	25 (5)	65 (5)	147 (5)	258 (5)	144 (5)
2-Methylpropene	–	–	–	2.0 (5)	23 (5)	30 (5)	68 (5)	192 (5)	212 (5)	176 (5)
Vinyl Chloride	55 (50)	42 (5)	88 (5)	218 (5)	440 (5)	804 (5)	2,844 (5)	10,182 (50)	10,328 (50)	34,078 (50)
1,3-butdiene	–	–	–	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloroethane	223 (50)	171 (5)	258 (5)	350 (5)	295 (5)	303 (5)	269 (5)	1,270 (5)	1,281 (5)	1,747 (5)
Dimethyl Sulfide	–	9.6 (5)	44 (5)	46 (5)	80 (5)	92 (5)	113 (5)	225 (5)	139 (5)	112 (5)
1,1-Dichloroethene	4,530 (50)	2,057 (5)	4,744 (125)	5718 (5)	4,390 (5)	4,535 (5)	4,032 (5)	8,419 (50)	2,912 (5)	2,843 (5)
trans-Dichloroethene	58 (50)	87 (5)	185 (5)	267 (5)	230 (5)	245 (5)	294 (5)	243 (5)	199 (5)	218 (5)
1,1-Dichloroethane	6,570 (50)	6,551 (5)	18,887 (125)	23,830 (125)	13,535 (50)	4,612 (50)	20,298 (50)	20,726 (50)	21,472 (50)	19,869 (50)
Ethyl Acetate	–	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
cis-Dichloroethene	2,970 (50)	4,001 (5)	13,828 (125)	28,840 (125)	43,160 (50)	60,200 (500)	117,770 (500)	208,520 (500)	178,230 (500)	203,780 (500)
Chloroform	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2-Dichloroethane	ND (50)	ND (5)	ND (5)	5.9 (5)	ND (5)	ND (5)	ND (5)	5.4 (5)	ND (5)	ND (5)
1,1,1-Trichloroethane	36,080 (50)	15,148 (125)	23,655 (125)	24,590 (125)	15,645 (50)	26,598 (50)	13,704 (50)	8,536 (50)	7467 (50)	7,048 (50)
Carbon Tetrachloride	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzene	ND (50)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	11 (5)	ND (5)	ND (5)	ND (5)
Trichloroethene	83,600 (250)	111,653 (125)	13,2150 (125)	185,350(125)	168,470 (500)	165,520 (500)	130,030 (500)	50,140 (500)	26,126 (50)	15,213 (50)
1,1,2-Trichloroethane	ND (50)	ND (5)	6.9 (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Toluene	ND (500)	ND (50)	56 (50)	58 (50)	55 (50)	47 (50)	65 (50)	87 (50)	56 (50)	72 (50)
Tetrachloroethene	1,910 (50)	3,384 (5)	3,121 (10)	4,142 (10)	5,120 (10)	6,575 (50)	6,553 (100)	6,057 (100)	3,722 (10)	2,129 (10)
Ethylbenzene	ND (500)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
m/p-Xylene	ND (500)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	52 (50)	54 (50)	ND (50)	69 (50)
o-Xylene	ND (500)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
n-Propylbenzene	ND (100)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2,4-Trimethylbenzene	ND (500)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
4-Isopropyltoluene	ND (100)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Naphthalene	ND (500)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Surrogate Recoveries										
Dibromofluoromethane	108	104	99	101	112	104	107	106	100	104
d8-Toluene	103	88	91	92	88	95	95	96	102	98
Bromofluorobenzene	85	99	97	100	104	97	104	106	105	99
Wet Chem. (mg/L)										
Ferrous Iron (Fe^{+2})	29	–	45	521	47	43	146	–	355	302
Chloride	53	179 (5)	195 (5)	246 (10)	165 (10)	148 (10)	406 (10)	346 (10)	453 (10)	447 (10)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-1 (Continued)
Historical Performance Monitoring Results for Unit A Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	South - A	South - A	South - A	South - A	South - A	South - A	South - A	South - A	South - A	South - A	South - A	South - A
Identification No.	D - 9	NW - D - 9	NW - D - 9	NW - D - 9	NW - D - 9	NW - D - 9	NW - D - 9	NW - D - 9	NW - D - 9	NW - D - 9	NW - D - 9	NW - D - 9
Sample Depth	8' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'
Date Sampled	02/15/05	04/26/05	07/12/05	08/09/05	09/08/05	10/04/05	11/02/05	12/07/05	02/01/06	05/23/06	08/30/06	04/24/07
Date Analyzed	02/15/05	04/30/05	07/14/05	08/13/05	09/13/05	10/11/05	11/08/05	12/18/05	02/07/06	06/01/06	09/07/06	04/29/07
(Units =µg/L)												
Propene	–	–	–	–	–	ND (5)	ND (5)	10 (5)	ND (5)	ND (5)	8.9 (5)	ND (5)
2-Methylpropene	–	–	–	–	–	13 (5)	ND (5)	ND (5)	ND (5)	6.0 (5)	ND (5)	ND (5)
Vinyl Chloride	107 (0.5)	141 (5)	122 (5)	126 (5)	120 (5)	250 (5)	280 (5)	157 (5)	255 (5)	210 (5)	85 (5)	402 (5)
1,3-butdiene	–	–	–	–	–	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloroethane	29 (0.5)	13 (5)	15,125 (5)	26 (5)	3.4 (5)	16 (5)	36 (5)	27 (5)	12 (5)	28 (5)	27 (5)	14 (5)
Dimethyl Sulfide			ND (5)	ND (5)	ND (5)	5.5 (5)	22 (5)	24 (5)	34 (5)	26 (5)	14 (5)	82 (5)
1,1-Dichloroethene	1,340 (50)	1,628 (5)	1,235 (5)	971 (5)	1109 (5)	1,150 (5)	1,402 (5)	1,598 (5)	1,052 (5)	1,374 (5)	941 (5)	1,087 (5)
trans-Dichloroethene	331 (0.5)	538 (5)	338 (5)	452 (5)	419 (5)	580 (5)	761 (5)	1,016 (5)	1,144 (5)	712 (5)	465 (5)	706 (5)
1,1-Dichloroethane	1,690 (50)	1,539 (5)	1,214 (5)	1,296 (5)	1,359 (5)	1,215 (5)	1,471 (5)	1,550 (5)	1,091 (5)	1,217 (5)	1,045 (5)	819 (5)
Ethyl Acetate			ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
cis-Dichloroethene	21,300 (50)	28,115 (250)	17,128 (50)	19,400 (125)	20,902 (100)	32,890 (100)	52,395 (250)	55,560 (250)	78,300 (250)	75,525 (250)	62,160 (250)	93,190 (250)
Chloroform	ND (0.5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2-Dichloroethane	ND (0.5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,1-Trichloroethane	2.6 (0.5)	ND (5)	ND (5)	103 (5)	167 (5)	60 (5)	58 (5)	75 (5)	42 (5)	113 (5)	163 (5)	50 (5)
Carbon Tetrachloride	26 (0.5)	14 (5)	68 (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Benzene	ND (0.5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	8.0 (5)	ND (5)	ND (5)	ND (5)
Trichloroethene	132,000 (1000)	178,840(250)	107,610(125)	105,525(125)	78,448 (100)	107,128(100)	143,390 (250)	119,885 (250)	73,585 (250)	78,535 (250)	56,800 (250)	31,915 (250)
1,1,2-Trichloroethane	ND (0.5)	ND (5)	12 (5)	11 (5)	9.1 (5)	9.1 (5)	14 (5)	13 (5)	5.4 (5)	9.2 (5)	ND (5)	5.4 (5)
Toluene	15 (0.5)	17 (5)	ND (5)	ND (5)	14 (5)	ND (5)	25 (50)	27 (50)	34 (5)	16 (5)	17 (5)	11 (5)
Tetrachloroethene	2,410 (50)	4,960 (250)	3,644 (10)	2,993 (10)	2,065 (10)	2,800 (10)	4,805 (250)	4,010 (250)	2,273 (10)	3,153 (10)	2,168 (10)	1936 (10)
Ethylbenzene	5.7 (5)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
m/p-Xylene	20 (5)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
o-Xylene	5.3 (5)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
n-Propylbenzene	ND (1)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
1,2,4-Trimethylbenzene	ND (5)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
4-Isopropyltoluene	ND (1)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Naphthalene	ND (5)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)
Surrogate Recoveries												
Dibromofluoromethane	115	109	96	104	103	102	110	119	102	110	118	100
d8-Toluene	71	89	90	89	89	93	91	105	100	94	103	98
Bromofluorobenzene	109	103	94	100	99	98	104	105	95	105	107	98
Wet Chem. (mg/L)												
Ferrous Iron (Fe+2)	5.0	–	–	–	18	19	23	25	24	–	19	23
Chloride	96	42 (1)	34 (2)	39 (5)	72 (2)	72 (5)	95 (5)	86 (5)	109 (5)	79 (5)	77 (5)	105 (5)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-1 (Continued)
Historical Performance Monitoring Results for Unit A Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	East - A	East - A	East - A	East - A	East - A	East - A	East - A	East - A	East - A	East - A	East - A	East - A
Identification No.	F - 5	F - 5	F - 5	F - 5	F - 5	F - 5	F - 5	F - 5	F - 5	F - 5	F - 5	F - 5
Sample Depth	8' - 12'	8' - 12'	8' - 12'	8' - 12'	8' - 12'	8' - 12'	8' - 12'	8' - 12'	8' - 12'	8' - 12'	8' - 12'	8' - 12'
Date Sampled	3/2/2005	04/26/05	06/23/05	08/09/05	09/07/05	10/04/05	11/02/05	12/07/05	02/01/06	05/24/06	08/30/06	04/24/07
Date Analyzed	3/2/2005	04/29/05	06/27/05	08/14/05	09/11/05	10/12/05	11/07/05	12/17/05	02/07/06	06/01/06	09/07/06	04/29/07
(Units =µg/L)												
Propene	–	–	–	–	–	1.5 (0.5)	3.1 (0.5)	1.3 (0.5)	1.8 (0.5)	1.4 (0.5)	1.3 (0.5)	1.4 (0.5)
2-Methylpropene	–	–	–	–	–	1.7 (0.5)	1.1 (0.5)	0.9 (0.5)	0.9 (0.5)	0.7 (0.5)	1.1 (0.5)	0.6 (0.5)
Vinyl Chloride	77 (5)	21 (0.5)	54 (10)	30 (0.5)	546 (0.5)	3,425 (25)	,1915 (25)	1,625 (25)	1,500 (5)	1,899 (25)	178 (0.5)	1,432 (50)
1,3-butdiene	–	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	ND (5)	ND (0.5)	ND (10)	0.6 (0.5)	1.2 (0.5)	5.6 (0.5)	3.5 (0.5)	2.8 (0.5)	2.6 (0.5)	3.2 (0.5)	1.4 (0.5)	21 (0.5)
Dimethyl Sulfide	–	–	276 (50)	2,14 (0.5)	329 (0.5)	425 (25)	260 (0.5)	265 (0.5)	239 (0.5)	191 (0.5)	28 (0.5)	168 (0.5)
1,1-Dichloroethene	26,000 (100)	6,480 (5)	19,586 (50)	6,869 (50)	4,176 (25)	13,619 (25)	19,905 (25)	21,485 (25)	32,740 (50)	25,422(25)	4,890 (50)	16,801 (50)
trans-Dichloroethene	14 (5)	7.0 (0.5)	16 (10)	7.9 (0.5)	6.9 (0.5)	12 (0.5)	14 (0.5)	15 (0.5)	17 (0.5)	11 (0.5)	3.7 (0.5)	3.9 (0.5)
1,1-Dichloroethane	1320 (5)	615 (5)	1,076 (10)	627 (25)	369 (0.5)	384 (25)	1,080 (25)	878 (25)	1025 (5)	1,128 (25)	164 (0.5)	1,006 (50)
Ethyl Acetate	–	–	ND (100)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
cis-Dichloroethene	33 (5)	27 (0.5)	550 (10)	1,175 (50)	1,066 (25)	3,102 (25)	2,150 (25)	1,361 (25)	1179 (5)	878 (25)	126 (0.5)	494 (0.5)
Chloroform	ND (5)	1.2 (0.5)	ND (10)	ND (0.5)	1.5 (0.5)	3.8 (0.5)	ND (0.5)	5.4 (0.5)	5.6 (0.5)	5.0 (0.5)	ND (0.5)	2.2 (0.5)
1,2-Dichloroethane	217 (5)	178 (0.5)	250 (10)	124 (0.5)	62 (0.5)	76 (0.5)	145 (0.5)	112 (0.5)	154 (0.5)	139 (0.5)	30 (0.5)	79 (0.5)
1,1,1-Trichloroethane	34 (5)	4.8 (0.5)	32 (10)	11 (0.5)	7.2 (0.5)	94 (0.5)	20 (0.5)	22 (0.5)	16 (0.5)	17 (0.5)	4.7 (0.5)	3.3 (0.5)
Carbon Tetrachloride	ND (5)	ND (0.5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	3.3 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ND (5)	ND (0.5)	ND (10)	2.1 (0.5)	2.1 (0.5)	3.7 (0.5)	3.5 (0.5)	ND (0.5)	4.8 (0.5)	4.0 (0.5)	1.2 (0.5)	3.2 (0.5)
Trichloroethene	50 (5)	69 (0.5)	479 (10)	75 (0.5)	42 (0.5)	71 (0.5)	23 (0.5)	65 (0.5)	112 (0.5)	151 (0.5)	39 (0.5)	48 (0.5)
1,1,2-Trichloroethane	48 (5)	79 (0.5)	192 (10)	112 (0.5)	58 (0.5)	70 (0.5)	75 (0.5)	91 (0.5)	131 (0.5)	107 (0.5)	23 (0.5)	67 (0.5)
Toluene	151 (50)	193 (20)	487 (100)	208 (5)	127 (5)	456 (5)	384 (5)	268 (5)	373 (5)	715 (250)	168 (5)	351 (5)
Tetrachloroethene	117 (5)	170 (2)	434 (20)	197 (1)	136 (1)	92 (1)	75 (1)	42 (1)	96 (1)	148 (1)	61 (1)	52 (1)
Ethylbenzene	ND (50)	ND (5)	ND (100)	9.7 (5)	20 (5)	35 (5)	25 (5)	12 (5)	19 (5)	17 (5)	5.1 (5)	12 (5)
m/p-Xylene	ND (50)	ND (5)	ND (100)	14 (5)	26 (5)	48 (5)	35 (5)	16 (5)	26 (5)	25 (5)	8.3 (5)	15 (5)
o-Xylene	ND (50)	ND (5)	ND (100)	8.1 (5)	15 (5)	25 (5)	20 (5)	9.3 (5)	13 (5)	14 (5)	4.9 (5)	9.3 (5)
n-Propylbenzene	ND (10)	ND (1)	ND (20)	1.0 (1)	2.0 (1)	3.8 (1)	3.3 (1)	ND (1)	7.3 (1)	1.7 (1)	ND (1)	1.1 (1)
1,2,4-Trimethylbenzene	ND (50)	ND (5)	ND (100)	9.1 (5)	17 (5)	37 (5)	32 (5)	13 (5)	22 (5)	15 (5)	3.9 (5)	11 (5)
4-Isopropyltoluene	ND (10)	ND (1)	ND (20)	ND (1)	ND (1)	1.2 (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Naphthalene	ND (50)	ND (5)	ND (100)	ND (5)	7.6 (5)	22 (5)	20 (5)	7.0 (5)	10 (5)	7.0 (5)	ND (5)	5.0 (5)
Surrogate Recoveries												
Dibromofluoromethane	101	101	103	101	99	100	109	102	102	110	106	99
d8-Toluene	104	98	94	93	97	94	94	103	102	97	102	98
Bromofluorobenzene	86	98	100	100	95	96	101	96	98	104	108	98
Wet Chem. (mg/L)												
Ferrous Iron (Fe+2)	90	–	–	–	770	738	399	402	296		24	180
Chloride	23	240 (3) E	–	315 (10)	316 (10)	304 (10)	303 (10)	335 (10)	412 (10)	253 (5)	78 (2)	331 (5)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-1 (Continued)
Historical Performance Monitoring Results for Unit A Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	East - A	East - A	East - A	East - A	East - A	East - A	East - A	East - A	East - A	East - A	East - A	East - A	East - A
Identification No.	G - 4	NW – G - 4	NW – G --4	NW – G - 4	NW – G - 4	NW – G - 4	NW – G - 4	NW – G -4	NW - G - 4	NW - G - 4	NW - G - 4	NW - G - 4	NW - G - 4
Sample Depth	8' - 12'	7' - 12'	12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'
Date Sampled	02/14/05	04/26/05	06/15/05	07/12/05	08/08/05	09/08/05	10/04/05	11/02/05	12/07/05	02/01/06	05/23/06	08/30/06	04/27/07
Date Analyzed	02/14/05	04/29/05	06/23/05	07/14/05	08/12/05	09/12/05	10/10/05	11/06/05	12/16/05	02/07/06	05/29/06	09/05/06	09/05/06
(Units =µg/L)													
Propene	–	–	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1.3 (0.5)	ND (0.5)
2-Methylpropene	–	–	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1.9 (0.5)
Vinyl Chloride	2.6 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	3.5 (0.5)	6.5 (0.5)	6.2 (0.5)	4.6 (0.5)	3.5 (0.5)	4.5 (0.5)	5.0 (0.5)	ND (0.5)
1,3-butdiene	–	–	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	2.6 (0.5)	4.0 (0.5)	3.7 (0.5)	3.3 (0.5)	2.1 (0.5)	3.3 (0.5)	2.7 (0.5)	2.2 (0.5)
Dimethyl Sulfide	–	–	–	2.2 (0.5)	3.6 (0.5)	8.4 (0.5)	2.6 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethene	1,080 (5)	115 (0.5)	120 (0.5)	220 (0.5)	180 (0.5)	1,534 (5)	1,840 (0.5)E	1,985 (5)	2,450 (5)	1844 (5)	2174 (5)	2,666 (5)	1,167 (5)
trans-Dichloroethene	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.7 (0.5)	0.5 (0.5)	0.8 (0.5)	0.7 (0.5)	0.8 (0.5)	0.6 (0.5)	0.8 (0.5)	ND (0.5)
1,1-Dichloroethane	43 (0.5)	14 (0.5)	25 (0.5)	37 (0.5)	36 (0.5)	110 (0.5)	120 (0.5)	135 (0.5)	133 (0.5)	99 (0.5)	127 (0.5)	140 (0.5)	93 (0.5)
Ethyl Acetate	–	–	–	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (5)	ND (1)
cis-Dichloroethene	1.6 (0.5)	ND (0.5)	0.6 (0.5)	0.9 (0.5)	2.8 (0.5)	9.9 (0.5)	7.0 (0.5)	6.1 (0.5)	6.6 (0.5)	8.9 (0.5)	16 (0.5)	21 (0.5)	6.5 (0.5)
Chloroform	ND (0.5)	2.8 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	1.9 (0.5)	1.0 (0.5)	3.5 (0.5)	3.1 (0.5)	3.7 (0.5)	4.9 (0.5)	5.1 (0.5)	6.2 (0.5)	4.7 (0.5)	4.7 (0.5)	6.5 (0.5)	7.7 (0.5)	6.4 (0.5)
1,1,1-Trichloroethane	12 (0.5)	2.4 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.5 (0.5)	1.1 (0.5)	0.9 (0.5)	0.7 (0.5)	0.6 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon Tetrachloride	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.9 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	11 (0.5)	2.1 (0.5)	1.9 (0.5)	3.0 (0.5)	1.7 (0.5)	4.2 (0.5)	7.0 (0.5)	7.2 (0.5)	9.9 (0.5)	8.3 (0.5)	9.6 (0.5)	12 (0.5)	6.2 (0.5)
1,1,2-Trichloroethane	2.3 (0.5)	ND (0.5)	1.9 (0.5)	2.0 (0.5)	1.6 (0.5)	1.8 (0.5)	2.1 (0.5)	2.3 (0.5)	1.6 (0.5)	ND (0.5)	2.0 (0.5)	2.4 (0.5)	1.7 (0.5)
Toluene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Tetrachloroethene	33 (0.5)	5.5 (2)	3.6 (1)	5.1 (1)	2.8 (1)	6.7 (1)	13 (1)	14 (1)	20 (1)	20 (1)	22 (1)	24 (1)	17 (1)
Ethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m/p-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
n-Propylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,2,4-Trimethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Isopropyltoluene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Naphthalene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	8.7 (5)	ND (5)	ND (5)	ND (5)	ND (5)
Surrogate Recoveries													
Dibromofluoromethane	114	104	96	100	102	103	99	105	97	99	110	102	102
d8-Toluene	97	97	100	96	93	95	98	98	96	104	98	102	98
Bromofluorobenzene	101	98	98	97	100	98	96	100	95	96	104	104	98
Wet Chem. (mg/L)													
Ferrous Iron (Fe+2)	114	104	96	100	102	103	99	105	97	99	110	–	10
Chloride	97	97	100	96	93	95	98	98	96	104	98	23.1	37 (1)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-1 (Continued)
Historical Performance Monitoring Results for Unit A Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	South - A	South - A	South - A	South - A	South - A	South - A	South - A	South - A	South - A	South - A	South - A	South - A	South - A
Identification No.	G - 9	NW - G - 9	NW - G - 9	NW - G - 9	NW - G - 9	NW - G - 9	NW - G - 9	NW - G - 9	NW - G - 9	NW - G - 9	NW - G - 9	NW - G - 9	NW - G - 9
Sample Depth	8' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'
Date Sampled	02/22/05	04/25/05	06/23/05	07/11/05	08/08/05	09/08/05	10/04/05	11/02/05	12/07/05	02/02/06	05/24/06	08/30/06	04/24/07
Date Analyzed	02/23/05	04/30/05	06/27/05	07/17/05	08/14/05	09/12/05	10/10/05	11/08/05	12/17/05	02/08/06	06/01/06	09/06/06	04/29/07
(Units =µg/L)													
Propene	–	–	–	–	–	–	9.4 (0.5)	16 (0.5)	13 (0.5)	12 (0.5)	23 (0.5)	22 (0.5)	9.6 (0.5)
2-Methylpropene	–	–	–	–	–	–	1.5 (0.5)	2.2 (0.5)	1.7 (0.5)	1.4 (0.5)	3.6 (0.5)	1.8 (0.5)	1.1 (0.5)
Vinyl Chloride	155 (5)	264 (0.5)	282 (5)	264 (5)	72 (5)	102 (0.5)	130 (0.5)	145 (0.5)	64 (0.5)	84 (0.5)	83 (0.5)	76 (0.5)	149 (0.5)
1,3-butdiene	–	–	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	6.2 (5)	8.4 (0.5)	19 (5)	16 (5)	ND (5)	6.9 (0.5)	12 (0.5)	16 (0.5)	9.4 (0.5)	16 (0.5)	32 (0.5)	38 (0.5)	73 (0.5)
Dimethyl Sulfide	–	–	ND (100)	ND (5)	261 (5)	289 (0.5)	340 (0.5)	295 (0.5)	256 (0.5)	308 (0.5)	283 (0.5)	259 (0.5)	168 (0.5)
1,1-Dichloroethene	14,240 (50)	22,290 (25)	50,192 (100)	102,797 (50)	5,395 (125)	7,421 (12.5)	6,900 (25)	5,990 (25)	5,441 (25)	7,652 (25)	9,463 (25)	6,878 (25)	5,050 (25)
trans-Dichloroethene	240 (5)	36 (0.5)	56 (5)	31 (5)	29 (5)	26 (0.5)	21 (0.5)	19 (0.5)	22 (0.5)	24 (0.5)	18 (0.5)	13 (0.5)	11 (0.5)
1,1-Dichloroethane	1,500 (5)	2,040 (25)	3,666 (5)	3,160 (5)	2,011 (5)	2,106 (12.5)	1,410 (25)	1,410 (25)	1,384 (25)	2,041 (25)	2,737 (25)	1,864 (25)	1,773 (25)
Ethyl Acetate	–	–	ND (200)	ND (10)	12 (10)	5.1 (1)	54 (1)	118 (1)	30 (1)	14 (1)	ND (1)	ND (1)	ND (1)
cis-Dichloroethene	1,730 (5)	2,360 (50)	2,215 (5)	2,097 (5)	3,348 (5)	4,068 (12.5)	3,542 (25)	3,770 (25)	3,637 (25)	4,305 (25)	3,141 (25)	3,179 (25)	1,475 (25)
Chloroform	ND (5)	6.0 (0.5)	ND (5)	ND (5)	ND (5)	2.6 (0.5)	ND (0.5)	2.4 (0.5)	2.5 (0.5)	2.0 (0.5)	2.5 (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	38 (5)	41 (0.5)	36 (5)	35 (5)	42 (5)	30 (0.5)	27 (0.5)	26 (0.5)	27 (0.5)	24 (0.5)	21 (0.5)	22 (0.5)	9.8 (0.5)
1,1,1-Trichloroethane	391 (5)	955 (25)	948 (5)	763 (5)	181 (5)	176 (0.5)	194 (0.5)	150 (0.5)	143 (0.5)	127 (0.5)	188 (0.5)	120 (0.5)	84 (0.5)
Carbon Tetrachloride	ND (5)	ND (0.5)	ND (5)	ND (5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ND (5)	3.7 (0.5)	ND (5)	ND (5)	ND (5)	2.2 (0.5)	2.4 (0.5)	2.3 (0.5)	2.3 (0.5)	3.2 (0.5)	2.1 (0.5)	1.7 (0.5)	1.1 (0.5)
Trichloroethene	6,350 (50)	8,640 (25)	8,904 (100)	4,920 (5)	3,422 (125)	2,626 (12.5)	2,770 (25)	2,580 (25)	2,587 (25)	2,812 (25)	3,200 (25)	1,862 (25)	563 (25)
1,1,2-Trichloroethane	11 (5)	13 (0.5)	13 (5)	14 (5)	13 (5)	9.6 (0.5)	9.1 (0.5)	9.4 (0.5)	10 (0.5)	7.9 (0.5)	6.1 (0.5)	6.3 (0.5)	2.8 (0.5)
Toluene	ND (50)	21 (5)	ND (50)	ND (50)	ND (50)	13 (5)	15 (5)	14 (5)	13 (5)	13 (5)	12 (5)	9.5 (5)	ND (5)
Tetrachloroethene	15 (5)	21 (2)	30 (10)	17 (10)	ND (10)	6.0 (1)	8.8 (1)	9.2 (1)	8.5 (1)	8.9 (1)	10 (1)	6.3 (1)	2.7 (1)
Ethylbenzene	ND (50)	11 (5)	ND (50)	ND (50)	ND (50)	7.2 (5)	9.0 (5)	8.5 (5)	7.6 (5)	7.2 (5)	7.2 (5)	5.5 (5)	ND (5)
m/p-Xylene	ND (50)	30 (5)	ND (50)	ND (50)	ND (50)	20 (5)	24 (5)	23 (5)	21 (5)	19 (5)	19 (5)	15 (5)	5.8 (5)
o-Xylene	ND (50)	55 (5)	ND (50)	ND (50)	ND (50)	39 (5)	42 (5)	42 (5)	40 (5)	35 (5)	34 (5)	30 (5)	14 (5)
n-Propylbenzene	ND (10)	2.1 (1)	ND (10)	ND (10)	ND (10)	1.5 (1)	ND (1)	1.8 (1)	1.7 (1)	1.8 (1)	1.5 (1)	1.4 (1)	ND (1)
1,2,4-Trimethylbenzene	ND (50)	11 (5)	ND (50)	ND (50)	ND (50)	7.9 (5)	9.5 (5)	10 (5)	10 (5)	9.7 (5)	7.8 (5)	7.8 (5)	5.3 (5)
4-Isopropyltoluene	ND (10)	ND (1)	ND (10)	ND (10)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Naphthalene	ND (50)	6.1 (5)	ND (50)	ND (50)	ND (50)	4.7 (5)	8.5 (5)	10 (5)	8.8 (5)	5.1 (5)	5.8 (5)	12 (5)	9.3 (5)
Surrogate Recoveries													
Dibromofluoromethane	97	103	103	99	103	100	103	106	103	101	103	103	100
d8-Toluene	110	93	93	95	92	92	97	94	102	101	93	101	98
Bromofluorobenzene	88	103	98	97	100	98	97	102	99	97	104	115	98
Wet Chem. (mg/L)													
Ferrous Iron (Fe+2)	16	–	–	–	–	44	95	104	92	88	–	95	115
Chloride	–	137 (5)	216 (5)	197 (5)	319 (10)	350 (10)	307 (10)	243 (10)	241 (10)	259 (10)	188 (5)	267 (5)	192 (5)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-1 (Continued)
Historical Performance Monitoring Results for Unit A Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	South - A	South - A	South - A	South - A	South - A	South - A	South - A	South - A	South - A	South - A	South - A	South - A
Identification No.	G - 12	NW - G - 12	NW - G - 12	NW - G - 12	NW - G - 12	NW - G - 12	NW - G - 12	NW - G - 12	NW - G - 12	NW - G - 12	NW - G - 12	NW - G - 12
Sample Depth	8' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'	7' - 12'
Date Sampled	02/17/05	04/25/05	07/12/05	08/08/05	09/08/05	10/04/05	11/02/05	12/07/05	02/01/06	05/23/06	08/30/06	04/24/07
Date Analyzed	02/17/05	04/30/05	07/14/05	08/13/05	09/12/05	10/11/05	11/07/05	12/17/05	02/07/06	06/01/06	09/06/06	04/29/07
(Units =µg/L)												
Propene	–	–	–	–	–	5.2 (0.5)	7.2 (0.5)	7.9 (0.5)	4.8 (0.5)	3.6 (0.5)	8.8 (0.5)	6.8 (0.5)
2-Methylpropene	–	–	–	–	–	1.6 (0.5)	1.9 (0.5)	2.4 (0.5)	1.7 (0.5)	1.3 (0.5)	2.2 (0.5)	1.4 (0.5)
Vinyl Chloride	1170 (50)	1,317 (25)	691 (5)	558 (5)	948 (12.5)	977 (25)	4,680 (25)	6,639 (25)	6,098 (50)	4,832 (25)	5,562 (25)	4,647 (25)
1,3-butdiene	–	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	ND (50)	ND (25)	ND (5)	ND (5)	4.7 (0.5)	7.0 (0.5)	8.5 (0.5)	0.7 (0.5)	9.6 (0.5)	52 (0.5)	1,290 (25)	1,346 (25)
Dimethyl Sulfide	–	–	17 (5)	259 .5)	213 (0.5)	185 (0.5)	163 (0.5)	173 (0.5)	126 (0.5)	103 (0.5)	126 (0.5)	157 (0.5)
1,1-Dichloroethene	13,080 (50)	18,816 (25)	7,935 (5)	6,047 (25)	8,641 (12.5)	7,811 (25)	10,660 (25)	11,196 (25)	7,441 (50)	5,238 (25)	8,028 (25)	7,523 (25)
trans-Dichloroethene	63 (50)	87 (25)	56 (5)	61 (5)	80 (0.5)	77 (0.5)	110 (0.5)	137 (0.5)	119 (0.5)	102 (0.5)	128 (0.5)	196 (0.5)
1,1-Dichloroethane	8,260 (50)	7,593 (25)	5,537 (5)	4,817 (25)	5,782 (0.5)	5,072 (25)	6,800 (25)	7,865 (25)	6,430 (50)	6,518 (25)	5,144 (25)	4,608 (25)
Ethyl Acetate	–	–	ND (10)	52 (10)	11 (1)	13 (1)	14 (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
cis-Dichloroethene	8,910 (50)	8,772 (25)	6,164 (5)	6,178 (25)	8,123 (12.5)	9,362 (25)	11,570 (25)	10,377 (25)	7,413 (50)	7,790 (25)	5,294 (25)	6,841 (25)
Chloroform	ND (50)	ND (25)	ND (5)	ND (5)	4.9 (0.5)	ND (0.5)	4.1 (0.5)	3.9 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	212 (50)	182 (25)	175 (5)	146 (5)	136 (0.5)	150 (0.5)	170 (0.5)	160 (0.5)	105 (0.5)	122 (0.5)	128 (0.5)	113 (0.5)
1,1,1-Trichloroethane	ND (50)	ND (25)	ND (5)	ND (5)	3.9 (0.5)	3.0 (0.5)	3.2 (0.5)	3.0 (0.5)	2.1 (0.5)	1.2 (0.5)	ND (0.5)	ND (0.5)
Carbon Tetrachloride	ND (50)	ND (25)	ND (5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ND (50)	71 (25)	ND (5)	ND (5)	35 (0.5)	35 (0.5)	42 (0.5)	48 (0.5)	41 (0.5)	41 (0.5)	42 (0.5)	48 (0.5)
Trichloroethene	6,020 (50)	8,251 (25)	4,318 (5)	3,763 (25)	2,595 (12.5)	758 (25)	555 (25)	205 (0.5)	192 (0.5)	80 (0.5)	103 (0.5)	49 (0.5)
1,1,2-Trichloroethane	ND (50)	35 (25)	40 (5)	26 (5)	24 (0.5)	24 (0.5)	31 (0.5)	33 (0.5)	115 (0.5)	24 (0.5)	25 (0.5)	20 (0.5)
Toluene	ND (500)	ND (250)	120 (50)	92 (50)	80 (5)	70 (5)	105 (5)	127 (5)	ND (5)	117 (5)	151 (5)	150 (5)
Tetrachloroethene	ND (50)	114 (25)	ND (10)	11 (10)	ND (1)	ND (1)	ND (1)	0.8 (1)J	0.8 (1)J	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (500)	ND (250)	ND (50)	ND (50)	30 (5)	25 (5)	40 (5)	56 (5)	57 (5)	56 (5)	69 (5)	74 (5)
m/p-Xylene	ND (500)	ND (250)	93 (50)	68 (50)	58 (5)	45 (5)	75 (5)	107 (5)	109 (5)	104 (5)	135 (5)	144 (5)
o-Xylene	ND (500)	ND (250)	131 (50)	96 (50)	82 (5)	60 (5)	100 (5)	139 (5)	140 (5)	139 (5)	191 (5)	193 (5)
n-Propylbenzene	ND (100)	ND (50)	ND (10)	ND (10)	4.3 (1)	3.2 (1)	5.4 (1)	9.1 (1)	11 (1)	9.2 (1)	12 (1)	16 (1)
1,2,4-Trimethylbenzene	ND (500)	ND (250)	ND (50)	ND (50)	23 (5)	17 (5)	29 (5)	51 (5)	60 (5)	45 (5)	65 (5)	88 (5)
4-Isopropyltoluene	ND (100)	ND (50)	ND (10)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Naphthalene	ND (500)	ND (250)	ND (50)	ND (50)	12 (5)	12 (5)	25 (5)	38 (5)	32 (5)	26 (5)	58 (5)	49 (5)
Surrogate Recoveries												
Dibromofluoromethane	117	107	97	104	99	100	110	110	104	104	103	101
d8-Toluene	96	92	95	92	94	97	96	93	105	97	108	98
Bromofluorobenzene	99	101	95	99	99	96	100	103	99	105	108	97
Wet Chem. (mg/L)												
Ferrous Iron (Fe+2)	117	107	97	104	99	100	110	110	104	104	103	201
Chloride	96	92	95	92	94	97	96	93	105	97	108	539 (20)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-1 (Continued)
Historical Performance Monitoring Results for Unit A Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	East - A	Inside - A	Inside - A	Inside - A	Inside - A	Inside - A	Inside - A	Inside - A	Inside - A	Inside - A	Inside - A
Identification No.	K - 8	NW - K - 8	NW - K - 8	NW - K - 8	NW - K - 8	NW - K - 8	NW - K - 8	NW - K - 8	NW - K - 8	NW - K - 8	NW - K - 8
Sample Depth	11' - 15'	10' - 15'	10' - 15'	10' - 15'	10' - 15'	10' - 15'	10' - 15'	10' - 15'	10' - 15'	10' - 15'	10' - 15'
Date Sampled	02/19/05	04/26/05	07/12/05	08/08/05	09/08/05	10/05/05	11/03/05	12/08/05	02/01/06	05/23/06	04/24/07
Date Analyzed	02/19/05	04/30/05	07/14/05	08/12/05	09/12/05	10/09/05	11/06/05	12/16/05	02/06/06	05/29/06	04/28/07
(Units =µg/L)											
Propene	–	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
2-Methylpropene	–	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl Chloride	ND (50)	0.5 (0.5)	ND (5)	0.8 (0.5)	9.0 (0.5)	13 (0.5)	10 (0.5)	8.1 (0.5)	13 (0.5)	24 (0.5)	26 (0.5)
1,3-butdiene	–	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	ND (50)	0.8 (0.5)	ND (5)	ND (0.5)	2.5 (0.5)	2.5 (0.5)	2.6 (0.5)	2.5 (0.5)	2.6 (0.5)	16 (0.5)	337 (0.5)
Dimethyl Sulfide	–	–	ND (5)	4.0 (0.5)	37 (0.5)	39 (0.5)	37 (0.5)	40 (0.5)	34 (0.5)	38 (0.5)	23 (0.5)
1,1-Dichloroethene	1473 (50)	65 (0.5)	259 (5)	99 (0.5)	837 (0.5)	870 (0.5)	925 (0.5)	783 (5)	1,009 (5)	1,120 (5)	692 (5)
trans-Dichloroethene	ND (50)	ND (0.5)	ND (5)	0.6 (0.5)	3.1 (0.5)	3.0 (0.5)	2.6 (0.5)	2.6 (0.5)	3.2 (0.5)	3.3 (0.5)	3.0 (0.5)
1,1-Dichloroethane	935 (50)	89 (0.5)	260 (5)	164 (0.5)	732 (0.5)	706 (0.5)	730 (0.5)	1,007 (5)	920 (5)	1,165 (5)	1,020 (5)
Ethyl Acetate	–	–	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
cis-Dichloroethene	ND (50)	3.9 (0.5)	83 (5)	7.6 (0.5)	43 (0.5)	47 (0.5)	48 (0.5)	54 (0.5)	53 (0.5)	75 (0.5)	44 (0.5)
Chloroform	ND (50)	2.1 (0.5)	ND (5)	ND (0.5)	1.3 (0.5)	0.9 (0.5)	1.2 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	ND (50)	ND (0.5)	ND (5)	0.7 (0.5)	4.5 (0.5)	6.4 (0.5)	6.1 (0.5)	4.8 (0.5)	5.6 (0.5)	6.6 (0.5)	7.3 (0.5)
1,1,1-Trichloroethane	90 (50)	13 (0.5)	31 (5)	15 (0.5)	64 (0.5)	59 (0.5)	36 (0.5)	28 (0.5)	22 (0.5)	16 (0.5)	5.5 (0.5)
Carbon Tetrachloride	ND (50)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ND (500)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	0.8 (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	1670 (50)	4.3 (0.5)	640 (5)	5.7 (0.5)	19 (0.5)	28 (0.5)	30 (0.5)	22 (0.5)	27 (0.5)	31 (0.5)	22 (0.5)
1,1,2-Trichloroethane	ND (50)	1.1 (0.5)	ND (5)	2.3 (0.5)	3.1 (0.5)	2.8 (0.5)	4.1 (0.5)	2.6 (0.5)	3.8 (0.5)	3.3 (0.5)	2.3 (0.5)
Toluene	ND (500)	ND (5)	ND (50)	ND (5)	ND (5)	6.4 (5)	ND (5)	ND (5)	ND (5)	5.2 (5)	11 (5)
Tetrachloroethene	ND (500)	2.3 (2)	40 (10)	2.9 (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (500)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m/p-Xylene	ND (500)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (500)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
n-Propylbenzene	ND (100)	ND (1)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,2,4-Trimethylbenzene	ND (500)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Isopropyltoluene	ND (100)	ND (1)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Naphthalene	ND (500)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Surrogate Recoveries											
Dibromofluoromethane	97	105	96	104	104	99	108	102	103	104	106
d8-Toluene	99	93	96	93	94	99	96	96	103	98	98
Bromofluorobenzene	95	100	93	100	98	99	101	97	98	103	98
Wet Chem. (mg/L)											
Ferrous Iron (Fe^{+2})	18	–	–	–	29	24	9.5	69	29	–	21
Chloride	66	18 (2)	19 (1)	25 (1)	47 (1)	36 (2)	36 (1)	34 (1)	41 (1)	54 (1)	48 (2)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-1 (Continued)
Historical Performance Monitoring Results for Unit A Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	East - A	East - A	East - A	East - A	East - A	East - A	East - A	East - A	East - A	East - A
Identification No.	N - 3	N - 3	N - 3	N - 3	N - 3	N - 3	N - 3	N - 3	N - 3	N - 3
Sample Depth	8' - 12'	8' - 12'	8' - 12'	8' - 12'	8' - 12'	8' - 12'	8' - 12'	8' - 12'	8' - 12'	8' - 12'
Date Sampled	03/04/05	06/14/05	08/10/05	09/07/05	10/04/05	11/02/05	12/07/05	02/01/06	05/23/06	04/24/07
Date Analyzed	03/05/05	06/29/05	08/16/05	09/10/05	10/10/05	11/05/05	12/17/05	02/05/06	05/30/06	04/29/07
(Units =µg/L)										
Propene	–	–	–	–	6.7 (0.5)	8.4 (0.5)	7.2 (0.5)	2.4 (0.5)	8.1 (0.5)	1.4 (0.5)
2-Methylpropene	–	–	–	–	2.1 (0.5)	3.1 (0.5)	2.6 (0.5)	0.7 (0.5)	1.4 (0.5)	ND (0.5)
Vinyl Chloride	38 (5)	ND (10)	10 (0.5)	90 (0.5)	240 (0.5)	116 (0.5)	55 (0.5)	80 (0.5)	157 (0.5)	80 (0.5)
1,3-butdiene	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	ND (5)	ND (10)	6.7 (0.5)	5.2 (0.5)	14 (0.5)	10 (0.5)	7.9 (0.5)	5.1 (0.5)	16 (0.5)	60 (0.5)
Dimethyl Sulfide	–	–	34 (0.5)	94 (0.5)	106 (0.5)	55 (0.5)	43 (0.5)	93 (0.5)	128 (0.5)	31 (0.5)
1,1-Dichloroethene	3,860 (5)	619 (10)	456 (0.5)	1,506 (5)	2,730 (25)	1,480 (10)	1,650 (10)	1,845 (10)	2,371 (10)	1,187 (50)
trans-Dichloroethene	79 (5)	12 (10)	34 (0.5)	47 (0.5)	62 (0.5)	50 (0.5)	43 (0.5)	70 (0.5)	67 (0.5)	34 (0.5)
1,1-Dichloroethane	5,840 (100)	717 (10)	661 (5)	4,548 (5)	4,680 (25)	2750 (10)	2,610 (10)	4,426 (10)	5,622 (10)	2,537 (50)
Ethyl Acetate	–	–	2.6 (1)	28 (1)	25 (1)	20 (1)	ND (1)	ND (1)	ND (1)	ND (1)
cis-Dichloroethene	17,260 (100)	2,594 (10)	1,629 (5)	15,347 (50)	13,810 (25)	8,085 (10)	7,439 (10)	15,475 (50)	16,021(10)	4,546 (50)
Chloroform	ND (5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	120 (5)	24 (10)	12 (0.5)	103 (0.5)	87 (0.5)	54 (0.5)	50 (0.5)	96 (0.5)	95 (0.5)	22 (0.5)
1,1,1-Trichloroethane	ND (5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	0.7 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon Tetrachloride	ND (5)	ND (10)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ND (5)	ND (10)	0.9 (0.5)	1.2 (0.5)	1.3 (0.5)	0.9 (0.5)	0.9 (0.5)	1.6 (0.5)	1.6 (0.5)	ND (0.5)
Trichloroethene	13 (5)	22 (10)	4.7 (0.5)	8.4 (0.5)	10 (0.5)	7.9 (0.5)	8.1 (0.5)	14 (0.5)	27 (0.5)	14 (0.5)
1,1,2-Trichloroethane	13 (5)	ND (10)	1.5 (0.5)	15 (0.5)	12 (0.5)	6.6 (0.5)	6.5 (0.5)	14 (0.5)	12 (0.5)	2.2 (0.5)
Toluene	ND (50)	ND (100)	ND (5)	13 (5)	14 (5)	8.3 (5)	7.9 (5)	14 (5)	21 (5)	4.5 (5)
Tetrachloroethene	ND (5)	35 (20)	ND (1)	ND (1)	1.6 (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (50)	ND (100)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m/p-Xylene	ND (50)	ND (100)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (50)	ND (100)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
n-Propylbenzene	ND (10)	ND (20)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,2,4-Trimethylbenzene	ND (50)	ND (100)	5.6 (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Isopropyltoluene	ND (01)	ND (20)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Naphthalene	ND (50)	ND (100)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Surrogate Recoveries										
Dibromofluoromethane	97	102	106	100	100	107	111	99	101	103
d8-Toluene	100	90	90	99	100	100	94	105	99	98
Bromofluorobenzene	94	104	99	95	98	99	100	98	102	98
Wet Chem. (mg/L)										
Ferrous Iron (Fe^{+2})	7.6	–	–	108	90	46	35	77	–	24
Chloride	254	46 (2)	41 (2)	228 (5)	171 (10)	96 (5)	85 (5)	183 (5)	131 (5)	73 (2)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-1 (Continued)
Historical Performance Monitoring Results for Unit A Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	East - A	East - A	East - A	East - A	East - A	East - A	East - A	East - A	East - A	East - A	East - A	East - A	East - A
Identification No.	P - 0	NW – P - 0	NW – P - 0	NW – P - 0	NW – P - 0	NW – P - 0	NW – P - 0	NW – P - 0	NW – P - 0	NW – P - 0	NW – P - 0	NW – P - 0	NW – P - 0
Sample Depth	10' - 15'	10' - 15'	10' - 15'	10' - 15'	10' - 15'	10' - 15'	10' - 15'	10' - 15'	10' - 15'	10' - 15'	10' - 15'	10' - 15'	10' - 15'
Date Sampled	3/1/2005	05/02/05	06/30/05	07/19/05	08/11/05	09/08/05	10/05/05	11/03/05	12/07/05	02/01/06	05/23/06	08/30/06	04/24/07
Date Analyzed	3/1/2005	05/07/05	07/02/05	07/25/05	08/15/05	09/12/05	10/09/05	11/07/05	12/15/05	02/06/06	05/29/06	09/05/06	04/28/07
(Units =µg/L)													
Propene	–	–	–	–	–	–	0.6 (0.5)	1.5 (0.5)	1.0 (0.5)	0.9 (0.5)	1.4 (0.5)	0.7 (0.5)	ND (0.5)
2-Methylpropene	–	–	–	–	–	–	ND (0.5)	0.7 (0.5)	0.7 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl Chloride	2.1 (0.5)	4.4 (0.5)	8.3 (5)	4.6 (0.5)	4.5 (0.5)	17 (0.5)	30 (0.5)	35 (0.5)	20 (0.5)	20 (0.5)	25 (0.5)	49 (0.5)	37 (0.5)
1,3-butdiene	–	–	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	0.5 (0.5)	1.0 (0.5)	ND (5)	1.7 (0.5)	1.5 (0.5)	5.3 (0.5)	8.7 (0.5)	25 (0.5)	24 (0.5)	54 (0.5)	217 (0.5)	246 (0.5)	242 (0.5)
Dimethyl Sulfide	–	–	32 (5)	20 (0.5)	66 (0.5)	136 (0.5)	162 (0.5)	175 (0.5)	151 (0.5)	116 (0.5)	80 (0.5)	42 (0.5)	31 (0.5)
1,1-Dichloroethene	81 (0.5)	155 (0.5)	137 (5)	91 (0.5)	33 (0.5)	114 (0.5)	141 (0.5)	160 (0.5)	169 (0.5)	189 (0.5)	251 (0.5)	107 (0.5)	121 (0.5)
trans-Dichloroethene	11 (0.5)	19 (0.5)	15 (5)	19 (0.5)	14 (0.5)	26 (0.5)	22 (0.5)	22 (0.5)	29 (0.5)	28 (0.5)	36 (0.5)	23 (0.5)	24 (0.5)
1,1-Dichloroethane	343 (0.5)	482 (50)	449 (5)	209 (0.5)	257 (0.5)	426 (0.5)	460 (5)	485 (0.5)	464 (0.5)	545 (5)	435 (0.5)	71 (0.5)	58 (0.5)
Ethyl Acetate	–	–	ND (10)	ND (1)	6.2 (1)	4.8 (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
cis-Dichloroethene	1,050 (0.5)E	1,665 (50)	1,590 (5)	1,095 (5)	1,017 (5)	1,608 (5)	1,615 (5)	1,965 (5)	1,867 (5)	2,111 (5)	2,593 (5)	1,332 (5)	1,783 (5)
Chloroform	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	9.9 (0.5)	11 (0.5)	12 (5)	7.4 (0.5)	9.5 (0.5)	11 (0.5)	13 (0.5)	15 (0.5)	13 (0.5)	13 (0.5)	17 (0.5)	10 (0.5)	8.4 (0.5)
1,1,1-Trichloroethane	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.6 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon Tetrachloride	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ND (0.5)	1.2 (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	1.0 (0.5)	1.1 (0.5)	1.8 (0.5)	1.5 (0.5)	1.0 (0.5)	0.6 (0.5)	ND (0.5)
Trichloroethene	ND (0.5)	1.0 (0.5)	79 (5)	0.7 (0.5)	6.5 (0.5)	1.5 (0.5)	4.1 (0.5)	2.8 (0.5)	2.4 (0.5)	1.9 (0.5)	2.0 (0.5)	1.3 (0.5)	0.8 (0.5)
1,1,2-Trichloroethane	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Toluene	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	5.3 (5)	ND (5)	ND (5)	ND (5)	ND (5)	47 (5)	33 (5)
Tetrachloroethene	ND (0.5)	ND (1)	12 (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m/p-Xylene	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
n-Propylbenzene	ND (1)	ND (1)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,2,4-Trimethylbenzene	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Isopropyltoluene	ND (1)	ND (1)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Naphthalene	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Surrogate Recoveries													
Dibromofluoromethane	91	102	101	96	105	100	99	106	103	99	108	102	103
d8-Toluene	106	94	89	96	91	94	99	97	96	107	98	103	98
Bromofluorobenzene	84	102	105	96	99	98	98	99	100	96	103	104	99
Wet Chem. (mg/L)													
Ferrous Iron (Fe+2)	2.0	–	–	–	–	43	43	49	42	44	–	27	22
Chloride	–	35 (1)	58 (1)	60 (2)	77 (2)	83 (2)	98 (5)	90 (5)	109 (5)	99 (5)	–	–	98 (5)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

APPENDIX A-2

HISTORICAL PERFORMANCE MONITORING RESULTS FOR UNIT B SAMPLING POINTS

Historical Appendix A-2
Performance Monitoring Results for Unit B Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	North - B	North - B	North - B	North - B	North - B	North - B	North - B	North - B	North - B	North - B	North - B	North - B	North - B
I.D. No.	AB - 19	AB - 19	AB - 19	AB - 19	AB - 19	AB - 19	AB - 19	AB - 19	AB - 19	AB - 19	AB - 19	AB - 19	AB - 19
Sample Depth	21' - 25'	21 - 25'	21 - 25'	21 - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'
Date Sampled	03/03/05	04/26/05	05/17/05	07/18/05	08/09/05	09/07/05	10/04/05	11/02/05	12/07/05	02/01/06	05/23/06	08/30/06	04/24/07
Date Analyzed	03/03/05	04/29/05	05/22/05	07/25/05	08/14/05	09/11/05	10/10/05	11/06/05	12/16/05	02/06/06	05/28/06	09/04/06	04/27/07
(Units =µg/L)													
Propene	–	–	–	–	–	–	0.7 (0.5)	0.8 (0.5)	3.0 (0.5)	1.6 (0.5)	0.9 (0.5)	1.3 (0.5)	2.2 (0.5)
2-Methylpropene	–	–	–	–	–	–	ND (0.5)	ND (0.5)	0.7 (0.5)	ND (0.5)	ND (0.5)	0.6 (0.5)	1.4 (0.5)
Vinyl Chloride	15 (0.5)	35 (5)	31 (5)	53 (0.5)	66 (0.5)	40 (0.5)	39 (0.5)	38 (0.5)	51 (0.5)	29 (0.5)	25 (0.5)	15 (0.5)	53 (0.5)
1,3-butdiene	–	–	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	7.0 (0.5)	13 (5)	9.8 (5)	9.1 (0.5)	12 (0.5)	7.8 (0.5)	8.8 (0.5)	8.5 (0.5)	13 (0.5)	9.5 (0.5)	173 (0.5)	145 (0.5)	448 (0.5)
Dimethyl Sulfide	–	–	–	34 (0.5)	41 (0.5)	31 (0.5)	24 (0.5)	20 (0.5)	38 (0.5)	27 (0.5)	22 (0.5)	18 (0.5)	89 (0.5)
1,1-Dichloroethene	560 (5)	375 (5)	236 (5)	325 (0.5)	413 (0.5)	271 (0.5)	234 (0.5)	225 (0.5)	433 (0.5)	257 (0.5)	207 (0.5)	139 (0.5)	458 (0.5)
trans-Dichloroethene	9.0 (0.5)	6.3 (5)	ND (5)	6.1 (0.5)	7.4 (0.5)	5.5 (0.5)	4.3 (0.5)	3.9 (0.5)	6.1 (0.5)	4.3 (0.5)	2.9 (0.5)	2.1 (0.5)	7.2 (0.5)
1,1-Dichloroethane	3,010 (5)	2,325 (5)	1,565 (5)	2,640 (5)	3,396 (5)	1,998 (5)	1,130 (0.5)E	1,460 (5)	2,725 (5)	1714 (5)	1509 (5)	788 (5)	3,195 (50)
Ethyl Acetate	–	–	–	3.8 (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
cis-Dichloroethene	2000 (5)	1,525 (5)	1,024 (5)	1,590 (5)	1,859 (5)	910 (0.5)	720 (0.5)	750 (0.5)	1,621 (5)	1,035 (5)	1,049 (5)	579 (5)	2,155 (50)
Chloroform	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.6 (0.5)
1,2-Dichloroethane	90 (0.5)	91 (5)	73 (5)	91 (0.5)	92 (0.5)	68 (0.5)	51 (0.5)	50 (0.5)	72 (0.5)	57 (0.5)	58 (0.5)	42 (0.5)	132 (0.5)
1,1,1-Trichloroethane	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon Tetrachloride	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.5 (0.5)	0.7 (0.5)	ND (0.5)	ND (0.5)	0.6 (0.5)
Trichloroethene	0.8 (0.5)	12 (5)	ND (5)	1.2 (0.5)	1.4 (0.5)	0.7 (0.5)	0.7 (0.5)	0.7 (0.5)	1.2 (0.5)	1.0 (0.5)	1.0 (0.5)	0.6 (0.5)	1.8 (0.5)
1,1,2-Trichloroethane	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.8 (0.5)
Toluene	20 (5)	ND (50)	ND (5)	22 (5)	23 (5)	16 (5)	13 (5)	12 (5)	22 (5)	15 (5)	15 (5)	11 (5)	38 (5)
Tetrachloroethene	ND (0.5)	45 (20)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0.8 (1)
Ethylbenzene	ND (5)	ND (50)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m/p-Xylene	ND (5)	ND (50)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (5)	ND (50)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
n-Propylbenzene	ND (1)	ND (10)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,2,4-Trimethylbenzene	ND (5)	ND (50)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Isopropyltoluene	ND (1)	ND (10)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Naphthalene	ND (5)	ND (50)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Surrogate Recoveries													
Dibromofluoromethane	95	102	97	98	102	99	102	106	101	99	104	103	100
d8-Toluene	101	96	93	95	92	98	98	99	96	104	99	104	99
Bromofluorobenzene	85	99	99	96	99	95	97	100	97	96	103	107	97
Wet Chem. (mg/L)													
Ferrous Iron (Fe^{+2})	22	–	–	–	–	29	29	15	11	27	–	38	56
Chloride	106	65 (3)	65 (2)	71 (2)	71 (5)	61 (5)	68 (2)	60 (2)	89 (2)	73 (2)	60 (2)	68 (2)	147 (2)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-2 (Continued)
Historical Performance Monitoring Results for Unit B Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	South - B	South - B	South - B	South - B	South - B	South - B	South - B	South - B	South - B	South - B
I.D. No.	C - 9	C - 9	C - 9	C - 9	C - 9	C - 9	C - 9	C - 9	C - 9	C - 9
Sample Depth	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'
Date Sampled	03/02/05	08/08/05	09/07/05	10/05/05	11/02/05	12/08/05	02/01/06	05/23/06	08/30/06	04/24/07
Date Analyzed	03/02/05	08/13/05	09/11/05	10/09/05	11/09/05	12/16/05	02/06/06	05/29/06	09/05/06	04/28/07
(Units =µg/L)										
Propene	–	–	–	1.1 (0.5)	ND (5)	1.4 (0.5)	0.8 (0.5)	ND (0.5)	0.6 (0.5)	ND (0.5)
2-Methylpropene	–	–	–	0.5 (0.5)	ND (5)	1.3 (0.5)	1.3 (0.5)	0.7 (0.5)	1.1 (0.5)	1.0 (0.5)
Vinyl Chloride	ND (0.5)	13 (0.5)	12 (0.5)	16 (0.5)	30 (5)	64 (0.5)	48 (0.5)	36 (0.5)	26 (0.5)	94 (0.5)
1,3-butdiene	–	–	–	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	ND (0.5)	2.6 (0.5)	2.0 (0.5)	2.8 (0.5)	10 (5)	14 (0.5)	44 (0.5)	62 (0.5)	58 (0.5)	33 (0.5)
Dimethyl Sulfide		302 (0.5)	143 (0.5)	79 (0.5)	35 (5)	7.2 (0.5)	1.5 (0.5)	4.8 (0.5)	2.6 (0.5)	ND (0.5)
1,1-Dichloroethene	9.6 (0.5)	41 (0.5)	36 (0.5)	45 (0.5)	135 (5)	156 (0.5)	66 (0.5)	25 (0.5)	20 (0.5)	32 (0.5)
trans-Dichloroethene	2.3 (0.5)	18 (0.5)	17 (0.5)	16 (0.5)	26 (5)	57 (0.5)	19 (0.5)	13 (0.5)	10 (0.5)	11 (0.5)
1,1-Dichloroethane	51 (0.5)	221 (0.5)	261 (0.5)	236 (0.5)	455 (5)	811 (5)	148 (0.5)	102 (0.5)	69 (0.5)	98 (0.5)
Ethyl Acetate	–	ND (1)	1.2 (1)	ND (1)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
cis-Dichloroethene	199 (0.5)	1,287 (5)	2,390 (5)	1,155 (5)	3,025 (5)	3,127 (5)	987 (5)	519 (5)	395 (0.5)	900 (5)
Chloroform	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	7.4 (0.5)	64 (0.5)	63 (0.5)	71 (0.5)	250 (5)	207 (0.5)	128 (0.5)	54 (0.5)	50 (0.5)	60 (0.5)
Carbon Tetrachloride	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	0.5 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	87 (0.5)	1,124 (5)	1,234 (5)	1,680 (5)	4,520 (25)	2,997 (5)	1,611 (5)	997 (5)	744 (5)	863 (5)
1,1,2-Trichloroethane	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Toluene	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	49 (5)	66 (5)	12 (5)
Tetrachloroethene	ND (0.5)	43 (1)	86 (1)	150 (1)	275 (10)	340 (1)	282 (1)	285 (1)	134 (1)	135 (1)
Ethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m/p-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
n-Propylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,2,4-Trimethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Isopropyltoluene	ND (1)	ND (1)	ND (1)	ND (1)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Naphthalene	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Surrogate Recoveries										
Dibromofluoromethane	95	105	98	97	112	103	103	106	101	103
d8-Toluene	106	90	97	98	93	95	105	98	103	97
Bromofluorobenzene	91	97	95	100	103	98	97	106	104	97
Wet Chem. (mg/L)										
Ferrous Iron (Fe^{+2})	1.9	–	214	202	211	161	114	–	45	25
Chloride	24	11 (5)	99 (5)	98 (5)	73 (5)	75 (5)	64 (5)	37 (2)	84 (2)	61 (5)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-2 (Continued)
Historical Performance Monitoring Results for Unit B Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	South	South - B	South - B	South - B	South - B	South - B	South - B	South - B	South - B	South - B
I.D. No.	E - 9	E - 9	E - 9	E - 9	E - 9	E - 9	E - 9	E - 9	E - 9	E - 9
Sample Depth	21' - 25'	21 - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'
Date Sampled	03/04/05	08/10/05	09/07/05	10/04/05	11/02/05	12/07/05	02/01/06	05/23/06	08/30/06	04/24/07
Date Analyzed	03/04/05	08/16/05	09/12/05	10/09/05	11/06/05	12/18/05	02/08/06	06/01/06	09/07/06	04/29/07
(Units =µg/L)										
Propene	–	–	–	ND (0.5)	0.8 (0.5)	2.1 (0.5)	0.5 (0.5)	0.9 (0.5)	1.3 (0.5)	ND (0.5)
2-Methylpropene	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.6 (0.5)	ND (0.5)	ND (0.5)
Vinyl Chloride	2.7 (0.5)	41 (0.5)	26 (0.5)	45 (0.5)	35 (0.5)	25 (0.5)	19 (0.5)	46 (0.5)	96 (0.5)	123 (0.5)
1,3-butdiene	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	0.7 (0.5)	0.9 (0.5)	0.9 (0.5)	1.9 (0.5)	2.7 (0.5)	4.3 (0.5)	5.9 (0.5)	31 (0.5)	38 (0.5)	28 (0.5)
Dimethyl Sulfide		18 (0.5)	17 (0.5)	26 (0.5)	38 (0.5)	39 (0.5)	23 (0.5)	22 (0.5)	21 (0.5)	23 (0.5)
1,1-Dichloroethene	17 (0.5)	40 (0.5)	28 (0.5)	36 (0.5)	30 (0.5)	30 (0.5)	23 (0.5)	46 (0.5)	28 (0.5)	24 (0.5)
trans-Dichloroethene	57 (0.5)	282 (0.5)	268 (0.5)	240 (0.5)	210 (0.5)	189 (0.5)	142 (0.5)	115 (0.5)	172 (0.5)	99 0.5)
1,1-Dichloroethane	93 (0.5)	159 (0.5)	158 (0.5)	155 (0.5)	125 (0.5)	107 (0.5)	78 (0.5)	32 (0.5)	42 (0.5)	21 (0.5)
Ethyl Acetate	–	3.5 (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
cis-Dichloroethene	5,160 (25)	14,142 (25)	15,798 (50)	13,630 (50)	27,038 (50)	13,043 (50)	10,171 (50)	9,857 (25)	14,580 (25)	7,724 (50)
Chloroform	ND (0.5)	1.8 (0.5)	1.7 (0.5)	ND (0.5)	1.8 (0.5)	ND (0.5)	1.3 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	ND (0.5)	4.5 (0.5)	ND (0.5)	ND (0.5)	0.9 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon Tetrachloride	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.8 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	8720 (25)	12 (0.5)	9.5 (0.5)	30 (0.5)	8.5 (0.5)	6.7 (0.5)	51 (0.5)	1.2 (0.5)	1.8 (0.5)	4.5 (0.5)
1,1,2-Trichloroethane	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Toluene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Tetrachloroethene	1.7 (0.5)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m/p-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
n-Propylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,2,4-Trimethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Isopropyltoluene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Naphthalene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Surrogate Recoveries										
Dibromofluoromethane	93	105	100	98	108	108	106	108	105	100
d8-Toluene	102	91	98	102	99	100	101	96	102	99
Bromofluorobenzene	85	102	98	98	100	97	101	104	100	98
Wet Chem. (mg/L)										
Ferrous Iron (Fe^{+2})	3.2	–	12	8.6	18	16	9.4	–	4.5	21
Chloride	20	31 (2)	44 (1)	43 (2)	40 (2)	44 (2)	32 (2)	27 (2)	46 (2)	31 (2)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-2 (Continued)
Historical Performance Monitoring Results for Unit B Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	South - B	South - B	South - B	South - B	South - B	South - B	South - B	South - B	South - B	South - B	South - B
I.D. No.	I - 10	I - 10	I - 10	I - 10	I - 10	I - 10	I - 10	I - 10	I - 10	I - 10	I - 10
Sample Depth	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'
Date Sampled	02/18/05	03/04/05	08/10/05	09/07/05	10/06/05	11/02/05	12/07/05	02/02/06	05/23/06	08/30/06	04/24/07
Date Analyzed	02/18/05	03/05/05	08/15/05	09/11/05	10/11/05	11/07/05	12/16/05	02/07/06	05/30/06	09/05/06	04/28/07
(Units =µg/L)											
Propene	–	–	–	–	17 (0.5)	19 (0.5)	18 (0.5)	9.8 (0.5)	3.7 (0.5)	2.1 (0.5)	0.6 (0.5)
2-Methylpropene	–	–	–	–	1.9 (0.5)	1.4 (0.5)	1.4 (0.5)	1.2 (0.5)	1.8 (0.5)	1.5 (0.5)	ND (0.5)
Vinyl Chloride	93 (5)	165 (12.5)	198 (0.5)	127 (0.5)	120 (0.5)	95 (0.5)	74 (0.5)	51 (0.5)	85 (0.5)	225 (0.5)	ND (0.5)
1,3-butdiene	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	ND (5)	ND (12.5)	1.7 (0.5)	1.9 (0.5)	5.2 (0.5)	2.9 (0.5)	1.8 (0.5)	1.8 (0.5)	2.6 (0.5)	1.9 (0.5)	3.0 (0.5)
Dimethyl Sulfide	–	–	259 (0.5)	212 (0.5)	289 (0.5)	295 (0.5)	293 (0.5)	290 (0.5)	263 (0.5)	219 (0.5)	ND (0.5)
1,1-Dichloroethene	1,780 (5)	5,310 (12.5)	6,105 (50)	4,629 (50)	2,230 (12.5)	2,110 (10)	2,726 (10)	1,857 (10)	2103 (10)	761 (10)	ND (0.5)
trans-Dichloroethene	ND (5)	ND (12.5)	23 (0.5)	14 (0.5)	6.4 (0.5)	6.7 (0.5)	7.7 (0.5)	5.5 (0.5)	3.9 (0.5)	2.8 (0.5)	1.0 (0.5)
1,1-Dichloroethane	22 (5)	45 (12.5)	403 (0.5)	606 (0.5)	452 (0.5)	310 (0.5)	314 (0.5)	142 (0.5)	117 (0.5)	61 (0.5)	15 (0.5)
Ethyl Acetate	–	–	21 (1)	22 (1)	53 (1)	92 (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
cis-Dichloroethene	853 (5)	1840 (12.5)	13,148 (50)	8,093 (50)	6,380 (12.5)	5,970 (10)	5,046 (10)	5,334 (10)	6,602 (10)	1150 (10)	1.0 (0.5)
Chloroform	ND (5)	ND (12.5)	1.6 (0.5)	1.0 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	ND (5)	ND (12.5)	1.4 (0.5)	7.5 (0.5)	5.3 (0.5)	3.9 (0.5)	3.1 (0.5)	2.1 (0.5)	1.1 (0.5)	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	ND (5)	ND (12.5)	3.2 (0.5)	1.9 (0.5)	0.8 (0.5)	ND (0.5)	ND (0.5)	0.7 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon Tetrachloride	ND (5)	ND (12.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ND (5)	ND (12.5)	7.8 (0.5)	9.1 (0.5)	8.5 (0.5)	8.5 (0.5)	9.3 (0.5)	8.0 (0.5)	6.6 (0.5)	ND (0.5)	5.0 (0.5)
Trichloroethene	720 (5)	1225 (12.5)	10,449 (50)	4,529 (50)	2,095 (12.5)	1,900 (10)	2,250 (10)	844 (10)	29 (0.5)	13 (0.5)	0.8 (0.5)
1,1,2-Trichloroethane	ND (5)	ND (12.5)	ND (0.5)	7.2 (0.5)	2.8 (0.5)	2.1 (0.5)	ND (0.5)	0.7 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Toluene	52 (50)	177 (125)	413 (5)	360 (5)	325 (5)	290 (5)	288 (5)	244 (5)	244 (5)	201 (5)	159 (5)
Tetrachloroethene	ND (5)	ND (12.5)	22 (1)	6.5 (1)	4.0 (1)	2.8 (1)	3.1 (1)	ND (1)	ND (1)	0.8 (1)	ND (1)
Ethylbenzene	ND (50)	ND (125)	32 (5)	28 (5)	29 (5)	27 (5)	32 (5)	25 (5)	22 (5)	14 (5)	11 (5)
m/p-Xylene	ND (50)	ND (125)	75 (5)	71 (5)	76 (5)	69 (5)	80 (5)	65 (5)	56 (5)	34 (5)	27 (5)
o-Xylene	ND (50)	ND (125)	62 (5)	80 (5)	83 (5)	78 (5)	86 (5)	73 (5)	62 (5)	44 (5)	35 (5)
n-Propylbenzene	ND (10)	ND (25)	15 (1)	12 (1)	17 (1)	15 (1)	16 (1)	12 (1)	11 (1)	3.5 (1)	2.7 (1)
1,2,4-Trimethylbenzene	ND (50)	ND (125)	37 (5)	67 (5)	102 (5)	101 (5)	100 (5)	82 (5)	62 (5)	19 (5)	17 (5)
4-Isopropyltoluene	ND (10)	ND (25)	0.7 (1)	1.4 (1)	1.2 (1)	1.3 (1)	1.2 (1)	1.0 (1)	ND (1)	ND (1)	ND (1)
Naphthalene	ND (50)	ND (125)	ND (5)	12 (5)	19 (5)	21 (5)	12 (5)	18 (5)	9.6 (5)	4.2 (5)	ND (5)
Surrogate Recoveries											
Dibromofluoromethane	112	105	104	100	104	109	102	102	111	105	103
d8-Toluene	97	101	88	95	97	95	94	102	99	102	99
Bromofluorobenzene	103	92	100	99	97	101	98	100	110	115	99
Wet Chem. (mg/L)											
Ferrous Iron (Fe^{+2})	5.7	5.7	–	900	911	717	819	846	–	551	551
Chloride	343	343	993 (50)	4,792 (100)	3,806 (100)	3,407 (100)	2,435 (200)	3,153 (200)	2,849 (200)	3,921 (100)	2,872 (100)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-2 (Continued)
Historical Performance Monitoring Results for Unit B Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B
I.D. No.	K - 8	K - 8	K - 8	K - 8	K - 8	K - 8	K - 8	K - 8	K - 8	K - 8
Sample Depth	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	25' - 29'
Date Sampled	02/18/05	08/09/05	09/08/05	10/05/05	11/02/05	12/08/05	02/02/06	05/24/06	August-06	04/24/07
Date Analyzed	02/18/05	08/13/05	09/13/05	10/11/05	11/08/05	12/17/05	02/08/06	06/01/06		04/28/07
(Units =µg/L)										
Propene	–	–	–	13 (0.5)	21 (5)	19 (5)	25 (5)	22 (5)		11 (5)
2-Methylpropene	–	–	–	2.4 (0.5)	7.9 (5)	ND (5)	7.6 (5)	6.1 (5)	Could	7.8 (5)
Vinyl Chloride	144 (0.5)	231 (0.5)	363 (0.5)	485 (0.5)	655 (5)	265 (5)	433 (5)	340 (5)		418 (5)
1,3-butdiene				2.8 (0.5)	ND (5)	ND (5)	ND (5)	ND (5)	not be	ND (5)
Chloroethane	19 (0.5)	36 (0.5)	37 (0.5)	54 (0.5)	72 (5)	17 (5)	683 (5)	1895 (5)		2,824 (5)
Dimethyl Sulfide	–	ND (0.5)	4,258 (50)	34 (0.5)	150 (5)	144 (5)	104 (5)	127 (5)	sampled.	75 (5)
1,1-Dichloroethene	28,100 (50)	39,339 (50)	55,652 (50)	44,775 (250)	33,265 (250)	25,708 (100)	26,378 (100)	13,210 (100)		5,218 (100)
trans-Dichloroethene	176 (0.5)	317 (0.5)	372 (0.5)	275 (0.5)	260 (5)	221 (5)	250 (5)	150 (5)		104 (5)
1,1-Dichloroethane	38,600 (50)	6,0721 (50)	61,643 (50)	64,270 (250)	71,845 (250)	65,082 (100)	73,740 (100)	61,306 (100)		45,926 (100)
Ethyl Acetate	–	ND (1)	ND (1)	ND (1)	ND (10)	ND (10)	ND (10)	ND (10)		ND (10)
cis-Dichloroethene	3,820 (50)	6,238 (50)	7,089 (50)	9,085 (250)	8,450 (250)	7,028 (100)	8,844 (100)	6,762 (100)		3,924 (100)
Chloroform	68 (0.5)	ND (0.5)	69 (0.5)	53 (0.5)	50 (5)	34 (5)	24 (5)	13 (5)		ND (5)
1,2-Dichloroethane	1100 (50)	1479 (50)	1,686 (50)	1,450 (250)	1560 (5)	1477 (5)	1314 (5)	1,080 (5)		962 (5)
1,1,1-Trichloroethane	17,984 (50)	27,880 (50)	16,036 (50)	15,715 (250)	11,615 (250)	8,926 (100)	3,372 (100)	1,593 (5)		11,754 (100)
Carbon Tetrachloride	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	11 (5)	9.7 (5)	ND (5)	ND (5)		ND (5)
Benzene	5.6 (0.5)	6.5 (0.5)	9.2 (0.5)	8.6 (0.5)	ND (5)	ND (5)	17 (5)	6.5 (5)		ND (5)
Trichloroethene	6,860 (50)	8,063 (50)	13,101 (50)	14,490 (250)	14,110 (250)	11,528 (100)	9,446 (100)	5,678 (100)		1,177 (5)
1,1,2-Trichloroethane	263 (0.5)	216 (0.5)	299 (0.5)	260 (0.5)	342 (5)	336 (5)	242 (5)	152 (5)		108 (5)
Toluene	648 (500)	584 (5)	685 (5)	740 (5)E	1,192 (50)	1,127 (50)	1,048 (50)	873 (50)		508 (50)
Tetrachloroethene	3.6 (0.5)	4.0 (1)	5.5 (1)	6.9 (1)	ND (10)	10 (10)	ND (10)	ND (10)		ND (10)
Ethylbenzene	ND (5)	ND (5)	63 (5)	7.7 (5)	ND (50)	ND (50)	ND (50)	ND (50)		ND (50)
m/p-Xylene	9.3 (5)	11 (5)	15 (5)	18 (5)	ND (50)	ND (50)	ND (50)	ND (50)		ND (50)
o-Xylene	8.7 (5)	10 (5)	15 (5)	16 (5)	ND (50)	ND (50)	ND (50)	ND (50)		ND (50)
n-Propylbenzene	1.1 (1)	1.2 (1)	1.4 (1)	1.8 (1)	ND (10)	ND (10)	ND (10)	ND (10)		ND (10)
1,2,4-Trimethylbenzene	6.0 (5)	6.6 (5)	7.2 (5)	9.2 (5)	ND (50)	ND (50)	ND (50)	ND (50)		ND (50)
4-Isopropyltoluene	ND (1)	ND (1)	ND (1)	ND (1)	ND (10)	ND (10)	ND (10)	ND (10)		ND (10)
Naphthalene	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (50)	ND (50)	ND (50)		ND (50)
Surrogate Recoveries										
Dibromofluoromethane	110	99	105	101	112	112	106	105		101
d8-Toluene	98	95	95	95	95	103	101	96		97
Bromofluorobenzene	103	98	99	99	102	103	99	103		99
Wet Chem. (mg/L)										
Ferrous Iron (Fe^{+2})	520	–	328	390	382	380	305	–		127
Chloride	1006	1266 (50)	3300 (100)	2297 (100)	2427 (100)	2064 (100)	1898 (100)	953 (20)		955 (20)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-2 (Continued)
Historical Performance Monitoring Results for Unit B Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B
I.D. No.	L - 10	L - 10	L - 10	L - 10	L - 10	L - 10	L - 10	L - 10	L - 10	L - 10	L - 10
Sample Depth	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	25' - 29'
Date Sampled	02/18/05	07/27/05	08/09/05	09/08/05	10/06/05	11/02/05	12/08/05	02/02/06	05/24/06	08/31/06	04/24/07
Date Analyzed	02/18/05	07/31/05	08/16/05	09/13/05	10/11/05	11/07/05	12/17/05	02/08/06	05/31/06	09/05/06	04/29/07
(Units =µg/L)											
Propene	–	–	–	–	22 (0.5)	15 (5)	32 (5)	29 (5)	29 (5)	52 (0.5)	29 (0.5)
2-Methylpropene	–	–	–	–	4.5 (0.5)	6.5 (5)	9.1 (5)	8.7 (5)	6.8 (5)	4.2 (0.5)	5.2 (0.5)
Vinyl Chloride	127 (0.5)	325 (5)	389 (5)	573 (0.5)	682 (0.5)	661 (5)	398 (5)	509 (5)	594 (5)	491 (0.5)	952 (50)
1,3-butdiene	–	–	–	–	0.7 (0.5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (0.5)	ND (0.5)
Chloroethane	13 (0.5)	27 (5)	31 (5)	32 (0.5)	40 (0.5)	34 (5)	29 (5)	43 (5)	35 (5)	68 (0.5)	59 (0.5)
Dimethyl Sulfide	–	41 (5)	192 (5)	223 (0.5)	400 (0.5)	420 (5)	400 (5)	386 (5)	335 (5)	427 (0.5)	818 (0.5)
1,1-Dichloroethene	14,000 (50)	17,879 (50)	11,193 (50)	14,654 (50)	9,388 (50)	9,675 (50)	11,737 (25)	13,043 (50)	20,038 (50)	20,372 (50)	50,016 (50)
trans-Dichloroethene	293 (0.5)	346 (5)	433 (5)	471 (0.5)	310 (0.5)	240 (5)	237 (5)	239 (5)	185 (5)	149 (0.5)	184 (0.5)
1,1-Dichloroethane	28,050 (50)	42,918 (50)	37,909 (50)	37,615 (50)	28,364 (50)	3,1740 (50)	26,790 (25)	28876 (50)	26,706 (50)	20,267 (50)	18,088 (50)
Ethyl Acetate	–	ND (10)	ND (10)	ND (1)	ND (1)	ND (10)	49 (10)	37 (10)	36 (10)	ND (1)	ND (1)
cis-Dichloroethene	26,700 (50)	39,210 (50)	37,348 (50)	38,421 (50)	27,941 (50)	3,1670 (50)	26,779 (25)	28,108 (50)	25,562 (50)	2,0275 (50)	13,065 (50)
Chloroform	48 (0.5)	ND (5)	18 (5)	4.2 (0.5)	ND (0.5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	1,270 (50)	1802 (5)	1,490 (5)	1,645 (50)	1,400 (50)	1425 (5)	137 (5)	1283 (5)	1213 (5)	1,219 (10)	806 (50)
1,1,1-Trichloroethane	4,860 (50)	477 (5)	158 (5)	11 (0.5)	7.4 (0.5)	9.0 (5)	ND (5)	ND (5)	ND (5)	ND (0.5)	2.5 (0.5)
Carbon Tetrachloride	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (0.5)	ND (0.5)
Benzene	6.2 (0.5)	ND (5)	ND (5)	7.7 (0.5)	7.4 (0.5)	9.7 (5)	10 (5)	16 (5)	9.6 (5)	7.1 (0.5)	9.8 (0.5)
Trichloroethene	5,430 (50)	580 (5)	1,590 (5)	1,274 (50)	1,365 (50)	2,050 (5)	3,657 (25)	4,242 (50)	8,273 (50)	10,008 (50)	23,430 (50)
1,1,2-Trichloroethane	292 (0.5)	274 (5)	195 (5)	174 (0.5)	146 (0.5)	147 (5)	141 (5)	103 (5)	95 (5)	144 (0.5)	145 (0.5)
Toluene	460 (5)E	1,098 (50)	1,000 (50)	640 (5)	964 (50)	890 (50)	875 (50)	947 (50)	1,036 (50)	1,016 (10)	1,432 (250)
Tetrachloroethene	3.3 (0.5)	ND (10)	ND (10)	1.5 (1)	1.3 (1)	ND (10)	ND (10)	67 (10)	ND (10)	3.4 (1)	7.5 (1)
Ethylbenzene	6.3 (5)	ND (50)	ND (50)	9.3 (5)	8.5 (5)	ND (50)	ND (50)	ND (50)	ND (50)	7.4 (5)	9.0 (5)
m/p-Xylene	16 (5)	ND (50)	ND (50)	22 (5)	20 (5)	ND (50)	ND (50)	ND (50)	ND (50)	18 (5)	22 (5)
o-Xylene	15 (5)	ND (50)	ND (50)	21 (5)	19 (5)	ND (50)	ND (50)	ND (50)	ND (50)	19 (5)	23 (5)
n-Propylbenzene	ND (1)	ND (10)	ND (10)	1.5 (1)	ND (1)	ND (10)	ND (10)	ND (10)	ND (10)	ND (1)	1.5 (1)
1,2,4-Trimethylbenzene	ND (5)	ND (50)	ND (50)	7.0 (5)	6.0 (5)	ND (50)	ND (50)	ND (5)	ND (50)	5.4 (5)	7.6 (5)
4-Isopropyltoluene	ND (1)	ND (10)	ND (10)	ND (1)	ND (1)	ND (10)	ND (10)	ND (10)	ND (10)	ND (1)	ND (1)
Naphthalene	ND (5)	ND (50)	ND (50)	ND (5)	ND (5)	ND (50)	ND (50)	ND (50)	ND (50)	ND (5)	ND (5)
Surrogate Recoveries											
Dibromofluoromethane	115	101	106	106	107	108	110	105	100	94	99
d8-Toluene	98	92	89	98	98	96	94	101	98	132	91
Bromofluorobenzene	103	99	100	100	98	100	101	100	102	104	101
Wet Chem. (mg/L)											
Ferrous Iron (Fe^{+2})	610	–	–	280	341	336	359	412	–	415	734
Chloride	1,210	1,276 (50)	1,565 (50)	1,806 (100)	1,808 (100)	1,710 (100)	1,552 (100)	2,040 (100)	1,731 (50)	2,666 (100)	3,189 (100)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-2 (Continued)
Historical Performance Monitoring Results for Unit B Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	East - B	East - B	East - B	East - B	East - B	East - B	East - B	East - B	East - B	East - B	East - B
I.D. No.	M - 2	M - 2	M - 2	M - 2	M - 2	M - 2	M - 2	M - 2	M - 2	M - 2	M - 2
Sample Depth	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'
Date Sampled	05/02/05	06/14/05	08/09/05	09/07/05	10/04/05	11/02/05	12/07/05	02/01/06	05/23/06	08/30/06	04/24/07
Date Analyzed	05/07/05	06/22/05	08/12/05	09/10/05	10/10/05	11/06/05	12/15/05	02/05/06	05/28/06	09/04/06	04/28/07
(Units =µg/L)											
Propene	–	–	–	–	16 (0.5)	25 (0.5)	18 (0.5)	14 (0.5)	1.4 (0.5)	0.6 (0.5)	ND (0.5)
2-Methylpropene	–	–	–	–	0.9 (0.5)	0.6 (0.5)	0.6 (0.5)	0.7 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl Chloride	2.7 (0.5)	2.3 (0.5)	3.2 (0.5)	3.5 (0.5)	4.6 (0.5)	5.5 (0.5)	4.3 (0.5)	2.9 (0.5)	3.8 (0.5)	2.7 (0.5)	5.7 (0.5)
1,3-butdiene	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	3.3 (0.5)	2.5 (0.5)	3.3 (0.5)	3.0 (0.5)	4.5 (0.5)	8.0 (0.5)	15 (0.5)	31 (0.5)	144 (0.5)	117 (0.5)	141 (0.5)
Dimethyl Sulfide	–	–	286 (0.5)	289 (0.5)	389 (0.5)	418 (0.5)	396 (0.5)	275 (0.5)	235 (0.5)	185 (0.5)	27 (0.5)
1,1-Dichloroethene	117 (0.5)	100 (0.5)	121 (0.5)	122 (0.5)	135 (0.5)	175 (0.5)	223 (0.5)	149 (0.5)	105 (0.5)	58 (0.5)	57 (0.5)
trans-Dichloroethene	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethane	366 (0.5)	304 (0.5)	360 (0.5)	324 (0.5)	275 (0.5)	352 (0.5)	363 (0.5)	279 (0.5)	115 (0.5)	48 (0.5)	24 (0.5)
Ethyl Acetate	–	–	14 (1)	8.2 (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
cis-Dichloroethene	ND (0.5)	0.8 (0.5)	1.6 (0.5)	1.1 (0.5)	1.5 (0.5)	1.4 (0.5)	1.1 (0.5)	1.0 (0.5)	1.7 (0.5)	4.5 (0.5)	1.2 (0.5)
Chloroform	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	2.3 (0.5)	2.1 (0.5)	2.6 (0.5)	2.4 (0.5)	2.2 (0.5)	3.4 (0.5)	3.0 (0.5)	2.9 (0.5)	2.4 (0.5)	1.5 (0.5)	1.3 (0.5)
1,1,1-Trichloroethane	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.5 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon Tetrachloride	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	ND (0.5)	1.8 (0.5)	3.2 (0.5)	3.4 (0.5)	1.0 (0.5)	4.6 (0.5)	ND (0.5)	ND (0.5)	1.1 (0.5)	37 (0.5)	ND (0.5)
1,1,2-Trichloroethane	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1.5 (0.5)	ND (0.5)
Toluene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Tetrachloroethene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m/p-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
n-Propylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,2,4-Trimethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Isopropyltoluene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Naphthalene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Surrogate Recoveries											
Dibromofluoromethane	100	97	101	98	96	105	96	98	101	108	104
d8-Toluene	95	100	94	97	98	99	97	107	98	102	97
Bromofluorobenzene	101	95	100	93	96	100	97	94	104	108	100
Wet Chem. (mg/L)											
Ferrous Iron (Fe^{+2})	–	–	–	652	541	417	374	482	–	113	70
Chloride	30 (1)	134 (5)	118 (5)	100 (5)	102 (5)	78 (5)	68 (5)	110 (5)	106 (5)	98 (5)	107 (5)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-2 (Continued)
Historical Performance Monitoring Results for Unit B Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	East - B	East - B	East - B	East - B	East - B	East - B	East - B	East - B	East - B	East - B	East - B	East - B	East - B
I.D. No.	N - 7	N - 7	N - 7	N - 7	N - 7	N - 7	N - 7	N - 7	N - 7	N - 7	N - 7	N - 7	N - 7
Sample Depth	21' - 25'	21 - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'
Date Sampled	02/11/05	05/18/05	06/14/05	07/11/05	08/09/05	09/07/05	10/04/05	11/02/05	12/07/05	02/01/06	05/24/06	08/30/06	04/24/07
Date Analyzed	02/11/05	05/22/05	06/23/05	07/15/05	08/12/05	09/10/05	10/09/05	11/06/05	12/15/05	02/05/06	05/27/06	09/04/06	04/26/07
(Units =µg/L)													
Propene	–	–	–	–	–	–	0.9 (0.5)	1.5 (0.5)	3.0 (0.5)	3.2 (0.5)	0.5 (0.5)	1.1 (0.5)	ND (0.5)
2-Methylpropene	–	–	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl Chloride	6.5 (0.5)	6.0 (5)	3.1 (0.5)	3.4 (0.5)	1.9 (0.5)	1.5 (0.5)	2.1 (0.5)	2.3 (0.5)	2.5 (0.5)	3.5 (0.5)	4.5 (0.5)	4.9 (0.5)	5.6 (0.5)
1,3-butdiene	–	–	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	6.2 (0.5)	8.2 (5)	3.6 (0.5)	3.4 (0.5)	2.2 (0.5)	1.6 (0.5)	1.6 (0.5)	3.3 (0.5)	7.4 (0.5)	87 (0.5)	159 (0.5)	178 (0.5)	195 (0.5)
Dimethyl Sulfide	–	–	–	12 (0.5)	31 (0.5)	20 (0.5)	25 (0.5)	25 (0.5)	41 (0.5)	66 (0.5)	18 (0.5)	20 (0.5)	7.6 (0.5)
1,1-Dichloroethene	187 (0.5)	135 (5)	61 (0.5)	47 (0.5)	26 (0.5)	21 (0.5)	23 (0.5)	24 (0.5)	39 (0.5)	51 (0.5)	39 (0.5)	51 (0.5)	37 (0.5)
trans-Dichloroethene	2.6 (0.5)	ND (5)	0.8 (0.5)	0.8 (0.5)	0.7 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.6 (0.5)	0.8 (0.5)	0.5 (0.5)	0.8 (0.5)	ND (0.5)
1,1-Dichloroethane	2600 (5)	1582 (5)	891 (5)	594 (0.5)	353 (0.5)	261 (0.5)	220 (0.5)	250 (0.5)	335 (0.5)	378 (0.5)	257 (0.5)	226 (0.5)	63 (0.5)
Ethyl Acetate	–	–	–	ND (1)	1.1 (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
cis-Dichloroethene	339 (0.5)	309 (5)	62 (0.5)	56 (0.5)	38 (0.5)	32 (0.5)	30 (0.5)	40 (0.5)	49 (0.5)	82 (0.5)	56 (0.5)	51 (0.5)	99 (0.5)
Chloroform	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	38 (0.5)	33 (5)	12 (0.5)	11 (0.5)	6.1 (0.5)	4.5 (0.5)	4.5 (0.5)	3.8 (0.5)	4.6 (0.5)	8.5 (0.5)	3.6 (0.5)	4.5 (0.5)	2.9 (0.5)
1,1,1-Trichloroethane	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon Tetrachloride	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	2.0 (0.5)	ND (5)	1.0 (0.5)	2.7 (0.5)	1.0 (0.5)	0.9 (0.5)	1.0 (0.5)	0.8 (0.5)	1.4 (0.5)	2.1 (0.5)	2.3 (0.5)	2.0 (0.5)	0.7 (0.5)
1,1,2-Trichloroethane	0.7 (0.5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Toluene	6 (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Tetrachloroethene	ND (1)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	1.0 (1)
Ethylbenzene	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m/p-Xylene	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
n-Propylbenzene	ND (1)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,2,4-Trimethylbenzene	ND (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Isopropyltoluene	ND (1)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Naphthalene	5 (5)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Surrogate Recoveries													
Dibromofluoromethane	100	103	98	97	103	99	98	104	96	97	108	106	101
d8-Toluene	99	95	100	95	92	98	99	99	98	107	96	102	99
Bromofluorobenzene	98	100	96	93	99	95	98	100	96	97	107	108	97
Wet Chem. (mg/L)													
Ferrous Iron (Fe^{+2})	–	–	–	–	–	10	11	15	24	49	–	17	–
Chloride	–	44 (1)	25 (1)	26 (1)	27 (2)	30 (1)	20 (1)	23 (1)	24 (1)	42 (1)	19 (2)	17 (2)	25 (1)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-2 (Continued)
Historical Performance Monitoring Results for Unit B Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B
I.D. No.	O - 12	O - 12	O - 12	O - 12	O - 12	O - 12	O - 12	O - 12	O - 12	O - 12	O - 12	O - 12
Sample Depth	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'
Date Sampled	02/19/05	03/06/05	07/27/05	08/09/05	09/08/05	10/06/05	11/03/05	12/08/05	02/02/06	05/24/06	08/31/06	04/24/07
Date Analyzed	02/20/05	03/06/05	07/31/05	08/16/05	09/13/05	10/11/05	11/07/05	12/16/05	02/06/06	05/29/06	09/05/06	04/28/07
(Units =µg/L)												
Propene	–	–	–	–	–	1.2 (0.5)	1.9 (0.5)	3.2 (0.5)	7.5 (0.5)	8.1 (0.5)	6.0 (0.5)	4.6 (0.5)
2-Methylpropene	–	–	–	–	–	0.6 (0.5)	0.7 (0.5)	0.8 (0.5)	0.9 (0.5)	1.2 (0.5)	1.2 (0.5)	1.2 (0.5)
Vinyl Chloride	2,173 (50)	2,030 (50)	9,637 (25)	6,200 (25)	270 (0.5)	2,821 (5)	2,720 (5)	2,950 (5)	2,583 (5)	1644 (5)	865 (10)	18,83 (10)
1,3-butdiene	–	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	ND (50)	14 (5)	46 (0.5)	39 (0.5)	3.9 (0.5)	16 (0.5)	17 (0.5)	29 (0.5)	28 (0.5)	25 (0.5)	15 (0.5)	149 (0.5)
Dimethyl Sulfide	–	–	37 (0.5)	19 (0.5)	ND (0.5)	8.8 (0.5)	22 (0.5)	24 (0.5)	77 (0.5)	51 (0.5)	21 (0.5)	46 (0.5)
1,1-Dichloroethene	212 (50)	310 (5)	959 (25)	2,478 (25)	113 (0.5)	169 (0.5)	165 (0.5)	290 (0.5)	1,313 (5)	1379 (5)	693 (10)	1,598 (10)
trans-Dichloroethene	ND (50)	32 (5)	110 (0.5)	113 (0.5)	5.5 (0.5)	16 (0.5)	17 (0.5)	25 (0.5)	61 (0.5)	43 (0.5)	16 (0.5)	45 (0.5)
1,1-Dichloroethane	4,658 (50)	5,450 (50)	16,787(25)	16,011 (25)	1,156 (25)	2,540 (5)	2,905 (5)	3,865 (5)	7,273 (50)	5826 (5)	2,692 (10)	9,289 (10)
Ethyl Acetate	–	–	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
cis-Dichloroethene	1,318 (50)	2,000 (5)	7,240 (25)	10,249 (25)	691 (25)	1,001 (5)	1,060 (5)	1,317 (5)	4,429 (50)	3,920 (5)	1,597 (10)	5,955 (10)
Chloroform	ND (50)	ND (5)	ND (0.5)	1.2 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	119 (50)	174 (5)	446 (0.5)	445 (0.5)	29 (0.5)	77 (0.5)	96 (0.5)	87 (0.5)	214 (0.5)	181 (0.5)	91 (0.5)	330 (0.5)
1,1,1-Trichloroethane	ND (50)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	0.8 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.6 (0.5)	ND (0.5)	ND (0.5)
Carbon Tetrachloride	ND (50)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	0.7 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ND (50)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.7 (0.5)	1.0 (0.5)	2.2 (0.5)	1.4 (0.5)	0.6 (0.5)	1.5 (0.5)
Trichloroethene	183 (50)	52 (50)	2.2 (0.5)	2.6 (0.5)	1.6 (0.5)	9.9 (0.5)	0.8 (0.5)	1.1 (0.5)	3.4 (0.5)	6.6 (0.5)	4.1 (0.5)	7.9 (0.5)
1,1,2-Trichloroethane	ND (50)	ND (5)	20 (0.5)	ND (0.5)	0.9 (0.5)	ND (0.5)	3.3 (0.5)	2.7 (0.5)	11 (0.5)	9.2 (0.5)	4.5 (0.5)	22 (0.5)
Toluene	ND (500)	66 (50)	208 (5)	ND (5)	12 (5)	39 (5)	40 (5)	49 (5)	122 (5)	97 (5)	35 (5)	100 (5)
Tetrachloroethene	ND (50)	ND (5)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (500)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m/p-Xylene	ND (500)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (500)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
n-Propylbenzene	ND (100)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,2,4-Trimethylbenzene	ND (500)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Isopropyltoluene	ND (100)	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Naphthalene	ND (500)	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Surrogate Recoveries												
Dibromofluoromethane	98	97	104	105	106	102	107	103	96	103	108	101
d8-Toluene	98	106	94	93	92	97	97	98	105	99	102	100
Bromofluorobenzene	95	88	100	100	99	99	99	98	96	103	107	98
Wet Chem. (mg/L)												
Ferrous Iron (Fe^{+2})	–	46	–	–	5.3	13	12	11	40	–	12	60
Chloride	–	456	329 (10)	319 (10)	49 (2)	88 (5)	95 (5)	67 (5)	264 (10)	152 (10)	72 (5)	346 (10)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-2 (Continued)
Historical Performance Monitoring Results for Unit B Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	East - B	East - B	East - B	East - B	East - B	East - B	East - B	East - B	East - B	East - B	East - B	East - B
I.D. No.	P - 3	P - 3	P - 3	P - 3	P - 3	P - 3	P - 3	P - 3	P - 3	P - 3	P - 3	P - 3
Sample Depth	21' - 25'	21 - 25'	21 - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'
Date Sampled	02/12/05	05/02/05	06/13/05	08/09/05	09/07/05	10/04/05	11/03/05	12/07/05	02/01/06	05/23/06	08/30/06	04/24/07
Date Analyzed	02/12/05	05/07/05	06/15/05	08/13/05	09/10/05	10/10/05	11/06/05	12/15/05	02/06/06	05/29/06	09/05/06	04/28/07
(Units =µg/L)												
Propene	–	–	–	–	–	ND (0.5)	0.7 (0.5)	0.9 (0.5)	0.9 (0.5)	2.7 (0.5)	1.5 (0.5)	0.7 (0.5)
2-Methylpropene	–	–	–	–	–	ND (0.5)	0.9 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl Chloride	3.6 (0.5)	10 (0.5)	8.6 (0.5)	21 (0.5)	10 (0.5)	12 (0.5)	17 (0.5)	15 (0.5)	18 (0.5)	29 (0.5)	15 (0.5)	25 (0.5)
1,3-butdiene	–	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	2.7 (0.5)	4.1 (0.5)	1.7 (0.5)	2.0 (0.5)	2.0 (0.5)	2.2 (0.5)	2.9 (0.5)	5.8 (0.5)	9.1 (0.5)	28 (0.5)	41 (0.5)	124 (0.5)
Dimethyl Sulfide	–	–	–	100 (0.5)	48 (0.5)	20 (0.5)	13 (0.5)	15 (0.5)	22 (0.5)	53 (0.5)	26 (0.5)	54 (0.5)
1,1-Dichloroethene	99 (0.5)	261 (0.5)	98 (0.5)	166 (0.5)	88 (0.5)	101 (0.5)	140 (0.5)	198 (0.5)	240 (0.5)	443 (5)	274 (0.5)	297 (0.5)
trans-Dichloroethene	0.9 (0.5)	2.5 (0.5)	0.8 (0.5)	1.9 (0.5)	1.1 (0.5)	1.9 (0.5)	2.2 (0.5)	3.4 (0.5)	4.2 (0.5)	4.7 (0.5)	3.1 (0.5)	3.7 (0.5)
1,1-Dichloroethane	355 (5)	816 (5)	403 (0.5)	581 (0.5)	339 (0.5)	314 (0.5)	475 (0.5)	631 (0.5)	878 (5)	1517(5)	812 (5)	762 (5)
Ethyl Acetate	–	–	–	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
cis-Dichloroethene	897 (5)	2,085 (5)	908 (0.5)	1,376 (5)	708 (0.5)	676 (0.5)	1,230 (5)	1,772 (5)	2,188 (5)	4,077(5)	2,482 (5)	2,885 (5)
Chloroform	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	12 (0.5)	20 (0.5)	15 (0.5)	12 (0.5)	8.9 (0.5)	8.4 (0.5)	13 (0.5)	17 (0.5)	26 (0.5)	41 (0.5)	28 (0.5)	25 (0.5)
1,1,1-Trichloroethane	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.6 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon Tetrachloride	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.6 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	1.0 (0.5)	1.5 (0.5)	2.6 (0.5)	1.8 (0.5)	1.3 (0.5)	1.4 (0.5)	1.5 (0.5)	1.4 (0.5)	1.6 (0.5)	5.1 (0.5)	1.7 (0.5)	1.7 (0.5)
1,1,2-Trichloroethane	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Toluene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Tetrachloroethene	ND (0.5)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m/p-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
n-Propylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,2,4-Trimethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Isopropyltoluene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Naphthalene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Surrogate Recoveries												
Dibromofluoromethane	117	103	96	105	99	102	105	107	100	107	102	102
d8-Toluene	100	93	102	91	97	99	100	96	104	99	104	98
Bromofluorobenzene	105	97	97	97	97	96	98	99	98	104	109	98
Wet Chem. (mg/L)												
Ferrous Iron (Fe^{+2})	8.1	–	–	–	34	7.5	0.9	3.1	8.5	–	2	21
Chloride	176	91 (5)	91 (5)	56 (5)	51 (2)	51 (2)	49 (2)	61 (2)	76 (2)	89 (2)	74 (2)	80 (2)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-2 (Continued)
Historical Performance Monitoring Results for Unit B Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B
I.D. No.	R - 14	R - 14	R - 14	R - 14	R - 14	R - 14	R - 14	R - 14	R - 14	R - 14	R - 14
Sample Depth	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'
Date Sampled	06/16/05	07/11/05	08/09/05	09/08/05	10/05/05	11/03/05	12/08/05	02/02/06	05/24/06	08/30/06	04/24/07
Date Analyzed	06/22/05	07/15/05	08/15/05	09/12/05	10/10/05	11/05/05	12/16/05	02/06/06	05/28/06	09/05/06	04/28/07
(Units =µg/L)											
Propene	–	–	–	–	1.2 (0.5)	1.4 (0.5)	1.5 (0.5)	1.6 (0.5)	0.9 (0.5)	3.4 (0.5)	2.4 (0.5)
2-Methylpropene	–	–	–	–	0.6 (0.5)	0.8 (0.5)	ND (0.5)	0.5 (0.5)	ND (0.5)	0.6 (0.5)	0.6 (0.5)
Vinyl Chloride	195 (0.5)	958 (5)	1622 (5)	1466 (10)	1800 (5)	2210 (5)	1329 (5)	764 (5)	192 (0.5)	1537 (5)	1,046 (10)
1,3-butdiene	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	9.7 (0.5)	10 (0.5)	14 (0.5)	9.3 (0.5)	9.9 (0.5)	25 (0.5)	22 (0.5)	20 (0.5)	11 (0.5)	12 (0.5)	24 (0.5)
Dimethyl Sulfide	ND (12.5)	5.2 (0.5)	6.7 (0.5)	9.7 (0.5)	8.3 (0.5)	ND (0.5)	27 (0.5)	22 (0.5)	11 (0.5)	15 (0.5)	22 (0.5)
1,1-Dichloroethene	1366 (12.5)	371 (0.5)	474 (0.5)	192 (0.5)	105 (0.5)	132 (0.5)	175 (0.5)	437 (5)	341 (0.5)	291 (0.5)	783 (10)
trans-Dichloroethene	22 (0.5)	14 (0.5)	20 (0.5)	10 (0.5)	6.3 (0.5)	8.0 (0.5)	7.2 (0.5)	12 (0.5)	7.3 (0.5)	12 (0.5)	17 (0.5)
1,1-Dichloroethane	6337 (12.5)	3520 (5)	5220 (5)	3565 (10)	2540 (5)	3850 (5)	3504 (5)	3683 (5)	1816 (5)	3,873 (5)	4,394 (10)
Ethyl Acetate	ND (12.5)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
cis-Dichloroethene	5236 (12.5)	2121 (5)	2949 (5)	1573 (10)	830 (5)	1400 (5)	1483 (5)	2,348 (5)	1,369 (5)	1,284 (5)	2,771 (10)
Chloroform	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	233 (0.5)	114 (0.5)	164 (0.5)	88 (0.5)	72 (0.5)	131 (0.5)	93 (0.5)	127 (0.5)	79 (0.5)	130 (0.5)	155 (0.5)
1,1,1-Trichloroethane	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon Tetrachloride	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	1.0 (0.5)	ND (0.5)	1.0 (0.5)	0.6 (0.5)	0.5 (0.5)	1.0 (0.5)	0.8 (0.5)	1.2 (0.5)	ND (0.5)	0.7 (0.5)	0.8 (0.5)
Trichloroethene	1.4 (0.5)	0.8 (0.5)	3.9 (0.5)	3.6 (0.5)	1.1 (0.5)	0.8 (0.5)	0.8 (0.5)	1.6 (0.5)	1.3 (0.5)	1.0 (0.5)	1.4 (0.5)
1,1,2-Trichloroethane	8.4 (0.5)	2.8 (0.5)	4.2 (0.5)	2.0 (0.5)	1.4 (0.5)	3.0 (0.5)	2.1 (0.5)	3.7 (0.5)	2.6 (0.5)	3.0 (0.5)	4.8 (0.5)
Toluene	87 (5)	47 (5)	67 (5)	38 (5)	34 (5)	50 (5)	40 (5)	56 (5)	30 (5)	52 (5)	61 (5)
Tetrachloroethene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m/p-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
n-Propylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,2,4-Trimethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Isopropyltoluene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Naphthalene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Surrogate Recoveries											
Dibromofluoromethane	96	98	104	101	101	101	103	99	101	104	102
d8-Toluene	99	98	91	94	99	99	97	106	99	102	97
Bromofluorobenzene	97	94	101	99	97	99	98	96	103	104	100
Wet Chem. (mg/L)											
Ferrous Iron (Fe^{+2})	–	–	–	8.1	8.7	6.4	7.2	13	–	9.6	19
Chloride	148 (5)	81 (5)	119 (5)	95 (5)	73 (5)	98 (5)	67 (5)	137 (5)	73 (5)	98 (5)	139 (5)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-2 (Continued)
Historical Performance Monitoring Results for Unit B Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B
I.D. No.	S - 13	S - 13	S - 13	S - 13	S - 13	S - 13	S - 13	S - 13	S - 13	S - 13	S - 13
Sample Depth	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'
Date Sampled	02/18/05	07/11/05	08/09/05	09/08/05	10/05/05	11/03/05	12/08/05	02/01/06	05/23/06	08/31/06	04/24/07
Date Analyzed	02/18/05	07/15/05	08/15/05	09/12/05	10/09/05	11/05/05	12/14/05	02/05/06	05/27/06	09/04/06	04/27/07
(Units =µg/L)											
Propene	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.6 (0.5)	1.7 (0.5)	ND (0.5)
2-Methylpropene	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl Chloride	11 (0.5)	11 (0.5)	5.6 (0.5)	7.2 (0.5)	11 (0.5)	1.1 (0.5)	1.9 (0.5)	1.5 (0.5)	9.3 (0.5)	14 (0.5)	38 (0.5)
1,3-butdiene	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	5.8 (0.5)	4.4 (0.5)	2.0 (0.5)	2.7 (0.5)	3.7 (0.5)	ND (0.5)	1.8 (0.5)	1.0 (0.5)	8.1 (0.5)	15 (0.5)	53 (0.5)
Dimethyl Sulfide	–	ND (0.5)	0.7 (0.5)	0.9 (0.5)	0.5 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	4.7 (0.5)	13 (0.5)	10 (0.5)
1,1-Dichloroethene	370 (0.5)	191 (0.5)	69 (0.5)	107 (0.5)	108 (0.5)	5.0 (0.5)	18 (0.5)	13 (0.5)	132 (0.5)	286 (0.5)	204 (0.5)
trans-Dichloroethene	3.1 (0.5)	1.2 (0.5)	0.6 (0.5)	0.8 (0.5)	0.8 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.7 (0.5)	1.7 (0.5)	1.3 (0.5)
1,1-Dichloroethane	1500 (0.5)E	2099 (5)	821 (5)	1211 (5)	860 (0.5)	97 (0.5)	234 (0.5)	206 (0.5)	758 (5)	2,352 (5)	1,692 (5)
Ethyl Acetate	–	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
cis-Dichloroethene	560 (0.5)	296 (0.5)	122 (0.5)	180 (0.5)	169 (0.5)	14 (0.5)	37 (0.5)	30 (0.5)	226 (0.5)	421 (0.5)	297 (0.5)
Chloroform	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	60 (0.5)	37 (0.5)	16 (0.5)	23 (0.5)	22 (0.5)	1.8 (0.5)	4.3 (0.5)	4.4 (0.5)	33 (0.5)	59 (0.5)	36 (0.5)
1,1,1-Trichloroethane	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon Tetrachloride	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	0.7 (0.5)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	1.1 (1)	0.8 (1)	ND (1)
1,1,2-Trichloroethane	0.8 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Toluene	8.3 (5)	6.8 (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	5.7 (5)	11 (5)	5.8 (5)
Tetrachloroethene	ND (0.5)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m/p-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
n-Propylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,2,4-Trimethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Isopropyltoluene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Naphthalene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Surrogate Recoveries											
Dibromofluoromethane	117	97	104	99	98	105	100	99	103	105	103
d8-Toluene	96	97	91	95	98	100	97	105	95	103	99
Bromofluorobenzene	100	94	100	97	98	100	98	101	104	105	96
Wet Chem. (mg/L)											
Ferrous Iron (Fe^{+2})	14	–	–	4.7	5.4	1.2	3	1.9	–	8	8.1
Chloride	175	66 (2)	62 (2)	84 (2)	62 (5)	59 (2)	59 (2)	58 (2)	52 (2)	69 (2)	65 (2)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-2 (Continued)
Historical Performance Monitoring Results for Unit B Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	Inside	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B	Inside - B
I.D. No.	S - 15	S - 15	S - 15	S - 15	S - 15	S - 15	S - 15	S - 15	S - 15	S - 15	S - 15
Sample Depth	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'	22' - 27'
Date Sampled	02/22/05	07/11/05	08/09/05	09/08/05	10/05/05	11/03/05	12/08/05	02/02/06		08/31/06	04/24/07
Date Analyzed	02/22/05	07/15/05	08/15/05	09/12/05	10/09/05	11/05/05	12/15/05	02/06/06	No	09/04/06	04/27/07
(Units =µg/L)											
Propene	–	–	–	–	ND (0.5)	ND (0.5)	0.7 (0.5)	ND (0.5)	Data	ND (0.5)	0.8 (0.5)
2-Methylpropene	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	as	ND (0.5)	ND(0.5)
Vinyl Chloride	2.8 (0.5)	49 (0.5)	62 (0.5)	5.7 (0.5)	ND (0.5)	27 (0.5)	195 (0.5)	158 (0.5)	Sample	444 (0.5)	1,118 (5)
1,3-butdiene	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	could not	ND (0.5)	ND (0.5)
Chloroethane	0.9 (0.5)	1.1 (0.5)	1.9 (0.5)	ND (0.5)	ND (0.5)	2.9 (0.5)	2.0 (0.5)	1.3 (0.5)	be taken	3.1 (0.5)	5.7 (0.5)
Dimethyl Sulfide	–	ND (0.5)	3.1 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1.0 (0.5)	0.5 (0.5)		2.4 (0.5)	ND (0.5)
1,1-Dichloroethene	40 (0.5)	20 (0.5)	35 (0.5)	2.7 (0.5)	0.8 (0.5)	ND (0.5)	16 (0.5)	9.0 (0.5)		24 (0.5)	102 (0.5)
trans-Dichloroethene	0.8 (0.5)	ND (0.5)	0.5 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.5 (0.5)	ND (0.5)		1.5 (0.5)	2.6 (0.5)
1,1-Dichloroethane	334 (0.5)	467 (0.5)	550 (0.5)	40 (0.5)	3.2 (0.5)	91 (0.5)	638 (0.5)	345 (0.5)		941 (0.5)E	1,339 (5)
Ethyl Acetate	–	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)		ND (1)	ND (1)
cis-Dichloroethene	161 (0.5)	199 (0.5)	223 (0.5)	15 (0.5)	2.4 (0.5)	27 (0.5)	174 (0.5)	86 (0.5)		86 (0.5)	198 (0.5)
Chloroform	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)		ND (0.5)	ND (0.5)
1,2-Dichloroethane	9.3 (0.5)	12 (0.5)	12 (0.5)	0.9 (0.5)	ND (0.5)	1.9 (0.5)	16 (0.5)	8.1 (0.5)		22 (0.5)	26 (0.5)
1,1,1-Trichloroethane	ND (0.5)	ND (0.5)	3.3 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)		ND (0.5)	ND (0.5)
Carbon Tetrachloride	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)		ND (0.5)	ND (0.5)
Benzene	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)		ND (0.5)	ND (0.5)
Trichloroethene	1.1 (0.5)	0.5 (0.5)	2.4 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)		0.6 (0.5)	0.7 (0.5)
1,1,2-Trichloroethane	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)		ND (0.5)	ND (0.5)
Toluene	ND (5)	5.1 (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)		12 (5)	11 (5)
Tetrachloroethene	ND (0.5)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)		ND (1)	ND (1)
Ethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)		ND (5)	ND (5)
m/p-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)		ND (5)	ND (5)
o-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)		ND (5)	ND (5)
n-Propylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)		ND (1)	ND (1)
1,2,4-Trimethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)		ND (5)	ND (5)
4-Isopropyltoluene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)		ND (1)	ND (1)
Naphthalene	ND (5)	ND (5)	ND (5)	6.8 (5)	ND (5)	ND (5)	ND (5)	ND (5)		ND (5)	ND (5)
Surrogate Recoveries											
Dibromofluoromethane	102	97	102	103	97	103	104	100		104	102
d8-Toluene	101	97	90	96	98	99	96	105		102	98
Bromofluorobenzene	92	95	98	98	98	100	101	95		107	98
Wet Chem. (mg/L)											
Ferrous Iron (Fe^{+2})	4.2	–	–	1.7	0.2	8.6	1.9	0.4		ND (0.2)	2.6
Chloride	32	25 (1)	27 (1)	18 (1)	15 (1)	13 (1)	31 (1)	21 (1)		47 (1)	33 (1)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-2 (Continued)
Historical Performance Monitoring Results for Unit B Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	North - B	North - B	North - B	North - B	North - B	North - B	North - B	North - B	North - B	North - B	North - B	North - B	North - B
I.D. No.	U - 16	U - 16	U - 16	U - 16	U - 16	U - 16	U - 16	U - 16	U - 16	U - 16	U - 16	U - 16	U - 16
Sample Depth	21 - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'
Date Sampled	04/12/05	05/17/05	06/27/05	07/18/05	08/10/05	09/07/05	10/04/05	11/02/05	12/07/05	02/01/06	05/23/06	08/30/06	04/24/07
Date Analyzed	04/30/05	05/21/05	07/01/05	07/21/05	08/15/05	09/10/05	10/09/05	11/05/05	12/15/05	02/05/06	05/28/06	09/04/06	04/27/07
(Units =µg/L)													
Propene	–	–	–	–	–	–	ND (0.5)	1.0 (0.5)	1.2 (0.5)	1.0 (0.5)	1.2 (0.5)	3.4 (0.5)	1.1 (0.5)
2-Methylpropene	–	–	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1.8 (0.5)	ND (0.5)
Vinyl Chloride	7.3 (0.5)	15 (0.5)	5.8 (0.5)	6.4 (0.5)	2.1 (0.5)	ND (0.5)	3.1 (0.5)	11 (0.5)	17 (0.5)	32 (0.5)	38 (0.5)	76 (0.5)	181 (0.5)
1,3-butdiene	–	–	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	1.7 (0.5)	2.5 (0.5)	1.1 (0.5)	0.9 (0.5)	2.3 (0.5)	ND (0.5)	ND (0.5)	1.4 (0.5)	1.4 (0.5)	1.6 (0.5)	2.8 (0.5)	7.3 (0.5)	79 (0.5)
Dimethyl Sulfide	–	–	ND (0.5)	2.3 (0.5)	ND (0.5)	ND (0.5)	4.1 (0.5)	13 (0.5)	13 (0.5)	16 (0.5)	12 (0.5)	25 (0.5)	18 (0.5)
1,1-Dichloroethene	121 (0.5)	166 (0.5)	38 (0.5)	73 (0.5)	18 (0.5)	1.6 (0.5)	15 (0.5)	48 (0.5)	65 (0.5)	133 (0.5)	134 (0.5)	90 (0.5)	187 (0.5)
trans-Dichloroethene	3.6 (0.5)	3.1 (0.5)	1.2 (0.5)	2.0 (0.5)	0.6 (0.5)	ND (0.5)	ND (0.5)	1.4 (0.5)	1.6 (0.5)	3.1 (0.5)	2.5 (0.5)	2.5 (0.5)	3.0 (0.5)
1,1-Dichloroethane	727 (5)	655 (5)	299 (0.5)	377 (0.5)	97 (0.5)	10 (0.5)	87 (0.5)	300 (0.5)	292 (0.5)	590 (0.5)	1293 (5)	455 (0.5)	806 (5)
Ethyl Acetate	–	–	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
cis-Dichloroethene	491 (5)	562 (5)	219 (0.5)	301 (0.5)	77 (0.5)	7.9 (0.5)	67 (0.5)	235 (0.5)	215 (0.5)	456 (0.5)	486 (0.5)	350 (0.5)	609 (5)
Chloroform	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	24 (0.5)	40 (0.5)	12 (0.5)	15 (0.5)	3.2 (0.5)	ND (0.5)	3.3 (0.5)	11 (0.5)	8.0 (0.5)	24 (0.5)	23 (0.5)	18 (0.5)	27 (0.5)
1,1,1-Trichloroethane	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.6 (0.5)	ND (0.5)
Carbon Tetrachloride	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	2.7 (0.5)	1.6 (0.5)	1.1 (0.5)	0.9 (0.5)	7.2 (0.5)	ND (0.5)	ND (0.5)	0.8 (0.5)	1.1 (0.5)	0.9 (0.5)	1.0 (0.5)	1.7 (0.5)	0.7 (0.5)
1,1,2-Trichloroethane	ND (0.5)	0.9 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Toluene	ND (5)	8.5 (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	7.8 (5)	ND (5)	8.7 (5)
Tetrachloroethene	ND (2)	1.1 (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m/p-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
n-Propylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,2,4-Trimethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Isopropyltoluene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Naphthalene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Surrogate Recoveries													
Dibromofluoromethane	104	107	98	101	104	98	97	105	98	100	103	106	100
d8-Toluene	93	89	92	93	91	97	99	100	97	106	98	102	99
Bromofluorobenzene	99	105	104	95	99	95	100	99	97	98	104	109	96
Wet Chem. (mg/L)													
Ferrous Iron (Fe^{+2})	–	–	–	–	–	24	11	16	7.8	14	–	17	17
Chloride	30 (1)	36 (1)	24 (1)	26 (1)	20 (1)	19 (1)	22 (1)	29 (1)	32 (1)	42 (1)	54 (1)	28 (1)	45 (1)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-2 (Continued)
Historical Performance Monitoring Results for Unit B Sampling Points
Hamilton Beach Brands, Inc.

Chemicals of Concern	North - B	North - B	North - B	North - B	North - B	North - B	North - B	North - B	North - B	North - B	North - B	North - B	North - B
I.D. No.	V - 15	V - 15	V - 15	V - 15	V - 15	V - 15	V - 15	V - 15	V - 15	V - 15	V - 15	V - 15	V - 15
Sample Depth	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'	21' - 25'
Date Sampled	02/12/05	04/12/05	05/17/05	06/27/05	08/10/05	09/07/05	10/04/05	11/02/05	12/07/05	02/01/06	05/23/06	08/30/06	04/24/07
Date Analyzed	02/12/05	04/29/05	05/22/05	06/30/05	08/14/05	09/10/05	10/09/05	11/05/05	12/14/05	02/05/06	05/27/06	09/04/06	04/27/07
(Units =µg/L)													
Propene	–	–	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.8 (0.5)	0.7 (0.5)
2-Methylpropene	–	–	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl Chloride	3.2 (0.5)	1.4 (0.5)	1.3 (0.5)	ND (0.5)	2.6 (0.5)	1.6 (0.5)	ND (0.5)	1.3 (0.5)	1.2 (0.5)	1.9 (0.5)	3.1 (0.5)	3.0 (0.5)	25 (0.5)
1,3-butdiene	–	–	–	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	2.3 (0.5)	1.2 (0.5)	0.6 (0.5)	ND (0.5)	0.6 (0.5)	0.7 (0.5)	ND (0.5)	ND (0.5)	0.5 (0.5)	0.9 (0.5)	14 (0.5)	15 (0.5)	14 (0.5)
Dimethyl Sulfide	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethene	70 (0.5)	19 (0.5)	7.1 (0.5)	1.0 (0.5)	12 (0.5)	5.6 (0.5)	2.0 (0.5)	3.1 (0.5)	5.6 (0.5)	10 (0.5)	29 (0.5)	24 (0.5)	28 (0.5)
trans-Dichloroethene	1.3 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,1-Dichloroethane	369 (0.5)	189 (0.5)	72 (0.5)	11 (0.5)	191 (0.5)	101 (0.5)	28 (0.5)	43 (0.5)	73 (0.5)	85 (0.5)	122 (0.5)	40 (0.5)	40 (0.5)
Ethyl Acetate	–	–	–	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
cis-Dichloroethene	201 (0.5)	65 (0.5)	17 (0.5)	3.3 (0.5)	39 (0.5)	26 (0.5)	8.1 (0.5)	14 (0.5)	19 (0.5)	19 (0.5)	27 (0.5)	8.2 (0.5)	7.0 (0.5)
Chloroform	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	ND (0.5)	6.1 (0.5)	1.6 (0.5)	ND (0.5)	3.8 (0.5)	2.5 (0.5)	0.8 (0.5)	1.1 (0.5)	1.8 (0.5)	1.3 (0.5)	2.1 (0.5)	ND (0.5)	ND (0.5)
1,1,1-Trichloroethane	14 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon Tetrachloride	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	0.9 (0.5)	1.4 (0.5)	ND (0.5)	1.7 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	2.2 (0.5)	0.8 (0.5)	ND (0.5)
1,1,2-Trichloroethane	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Toluene	ND (5)	ND (5)	ND (5)	25 (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Tetrachloroethene	ND (0.5)	4.7 (2)	1.9 (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m/p-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
n-Propylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,2,4-Trimethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Isopropyltoluene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Naphthalene	10 (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Surrogate Recoveries													
Dibromofluoromethane	99	106	102	100	105	99	98	102	102	90	103	107	100
d8-Toluene	99	93	94	103	91	97	99	100	98	105	95	101	98
Bromofluorobenzene	98	99	100	103	98	95	98	100	101	93	104	107	97
Wet Chem. (mg/L)													
Ferrous Iron (Fe^{+2})	6.7	–	–	–	–	16	19	4.6	3.7	9.4	–	–	235
Chloride	68	24 (1)	22 (1)	18 (1)	29 (1)	26 (1)	27 (1)	24 (1)	28 (1)	26 (1)	21 (1)	38 (1)	21 (1)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

APPENDIX A-3

HISTORICAL PERFORMANCE MONITORING RESULTS FOR SELECTED MONITORING WELLS

Appendix A-3
Historical Performance Monitoring Results for Monitoring Wells
Hamilton Beach Brands, Inc.

Chemicals of Concern	Unit B	Unit B	Unit B	Unit B	Unit B	Unit B	Unit B	Unit B	Unit B	Unit B
I.D. No.	MW - 209	MW - 209	MW - 209	MW - 209	MW - 209	MW - 209	MW - 209	MW - 209	MW - 209	MW - 209
Sample Depth	16' - 26'	16' - 26'	16' - 26'	16' - 26'	16' - 26'	16' - 26'	16' - 26'	16' - 26'	16' - 26'	16' - 26'
Date Sampled	03/31/05	08/08/05	09/07/05	10/04/05	11/02/05	12/07/05	02/01/06	05/23/06	08/30/06	04/24/07
Date Analyzed	03/31/05	08/12/05	09/10/05	10/10/05	11/05/05	12/15/05	02/07/06	05/27/06	09/05/06	04/26/07
(Units = µg/L)										
Propene	–	–	–	ND (0.5)	0.6 (0.5)	0.6 (0.5)	1.0 (0.5)	ND (5)	0.9 (0.5)	ND (0.5)
2-Methylpropene	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	1.6 (0.5)	ND (5)	ND (0.5)	ND (0.5)
Vinyl Chloride	0.8 (0.5)	8.8 (0.5)	0.8 (0.5)	1.0 (0.5)	7.5 (0.5)	15 (0.5)	15 (0.5)	21 (5)	3.8 (0.5)	115 (0.5)
1,3-butdiene	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)
Chloroethane	0.7 (0.5)	5.5 (0.5)	3.7 (0.5)	4.8 (0.5)	62 (0.5)	56 (0.5)	94 (0.5)	250 (5)	8.6 (0.5)	333 (0.5)
Dimethyl Sulfide	–	54 (0.5)	4.1 (0.5)	2.0 (0.5)	6.7 (0.5)	4.0 (0.5)	7.4 (0.5)	14 (5)	0.9 (0.5)	22 (0.5)
1,1-Dichloroethene	31 (0.5)	225 (0.5)	11 (0.5)	9.8 (0.5)	186 (0.5)	161 (0.5)	216 (0.5)	148 (5)	25 (0.5)	123 (0.5)
trans-Dichloroethene	0.7 (0.5)	7.7 (0.5)	ND (0.5)	ND (0.5)	4.2 (0.5)	3.3 (0.5)	4.7 (0.5)	ND (5)	ND (0.5)	2.4 (0.5)
1,1-Dichloroethane	403 (0.5)	2521 (5)	113 (0.5)	74 (0.5)	1280 (0.5)E	1269 (5)	1944 (5)	850 (5)	158 (0.5)	590 (5)
Ethyl Acetate	–	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (10)	ND (1)	ND (1)
cis-Dichloroethene	56 (0.5)	328 (0.5)	20 (0.5)	18 (0.5)	196 (0.5)	153 (0.5)	414 (5)	576 (5)	57 (0.5)	768 (5)
Chloroform	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	8.2 (0.5)	44 (0.5)	2.2 (0.5)	1.4 (0.5)	33 (0.5)	21 (0.5)	35 (0.5)	25 (5)	3.8 (0.5)	22 (0.5)
1,1,1-Trichloroethane	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)
Carbon Tetrachloride	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (0.5)	ND (0.5)
Benzene	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.8 (0.5)	ND (5)	ND (0.5)	ND (0.5)
Trichloroethene	0.6 (0.5)	2.3 (0.5)	ND (0.5)	ND (0.5)	2.5 (0.5)	1.3 (0.5)	ND (0.5)	ND (5)	ND (0.5)	1.1 (0.5)
1,1,2-Trichloroethane	ND (0.5)	3.0 (0.5)	ND (0.5)	ND (0.5)	2.0 (0.5)	0.8 (0.5)	1.7 (0.5)	38 (5)	ND (0.5)	ND (0.5)
Toluene	ND (5)	15 (5)	ND (5)	ND (5)	13 (5)	9.0 (5)	31 (5)	9.1 (50)	ND (5)	6.4 (5)
Tetrachloroethene	ND (1)	2.7 (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (10)	ND (1)	ND (1)
Ethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)
m/p-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)
o-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)
n-Propylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (10)	ND (1)	ND (1)
1,2,4-Trimethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)
4-Isopropyltoluene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (10)	ND (1)	ND (1)
Naphthalene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (50)	ND (5)	ND (5)
Surrogate Recoveries										
Dibromofluoromethane	115	105	98	97	103	99	101	103	102	102
d8-Toluene	96	93	96	99	99	98	103	94	103	98
Bromofluorobenzene	98	100	96	98	99	96	93	104	108	99
Wet Chem. (mg/L)										
Ferrous Iron (Fe^{+2})	–	–	7.3	7.9	3.9	13	7.8	–	ND (0.2)	24
Chloride	–	104 (5)	56 (5)	68 (2)	77 (2)	67 (2)	75 (2)	45 (2)	49 (2)	72 (2)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-3 (Continued)
Historical Performance Monitoring Results for Monitoring Wells
Hamilton Beach Brands, Inc.

Chemicals of Concern	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A
I.D. No.	MW - 213	MW - 213	MW - 213	MW - 213	MW - 213	MW - 213	MW - 213	MW - 213	MW - 213	MW - 213
Sample Depth	3' - 8'	3' - 8'	3' - 8'	3' - 8'	3' - 8'	3' - 8'	3' - 8'	3' - 8'	3' - 8'	3' - 8'
Date Sampled	04/04/05	08/08/05	09/07/05	10/04/05	11/02/05	12/07/05	02/01/06	05/23/06	08/30/06	04/24/07
Date Analyzed	04/06/05	08/15/05	09/10/05	10/10/05	11/06/05	12/15/05	02/05/06	05/27/06	09/04/06	04/26/07
(Units = µg/L)										
Propene	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1.2 (0.5)	0.5 (0.5)
2-Methylpropene	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl Chloride	15 (0.5)	32 (0.5)	29 (0.5)	70 (0.5)	77 (0.5)	86 (0.5)	44 (0.5)	66 (0.5)	74 (0.5)	93 (0.5)
1,3-butdiene	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	ND (0.5)	4.4 (0.5)	4.4 (0.5)	22 (0.5)	54 (0.5)	59 (0.5)	32 (0.5)	33 (0.5)	18 (0.5)	6.8 (0.5)
Dimethyl Sulfide	–	152 (0.5)	94 (0.5)	82 (0.5)	67 (0.5)	50 (0.5)	23 (0.5)	13 (0.5)	8.4 (0.5)	50 (0.5)
1,1-Dichloroethene	265 (0.5)	481 (0.5)	327 (0.5)	328 (0.5)	227 (0.5)	314 (0.5)	193 (0.5)	212 (0.5)	186 (0.5)	108 (0.5)
trans-Dichloroethene	0.8 (0.5)	ND (0.5)	1.1 (0.5)	1.6 (0.5)	1.1 (0.5)	1.4 (0.5)	1.2 (0.5)	1.3 (0.5)	1.1 (0.5)	0.9 (0.5)
1,1-Dichloroethane	133 (0.5)	147 (0.5)	118 (0.5)	90 (0.5)	44 (0.5)	58 (0.5)	46 (0.5)	76 (0.5)	85 (0.5)	85 (0.5)
Ethyl Acetate	–	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
cis-Dichloroethene	17 (0.5)	142 (0.5)	169 (0.5)	185 (0.5)	195 (0.5)	193 (0.5)	126 (0.5)	154 (0.5)	131 (0.5)	74 (0.5)
Chloroform	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	2.0 (0.5)	4.1 (0.5)	4.0 (0.5)	3.9 (0.5)	4.0 (0.5)	3.5 (0.5)	3.0 (0.5)	4.3 (0.5)	2.9 (0.5)	3.0 (0.5)
1,1,1-Trichloroethane	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon Tetrachloride	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ND (0.5)	0.6 (0.5)	0.6 (0.5)	0.7 (0.5)	0.5 (0.5)	0.8 (0.5)	ND (0.5)	0.6 (0.5)	0.5 (0.5)	ND (0.5)
Trichloroethene	235 (0.5)	111 (0.5)	36 (0.5)	10 (0.5)	2.9 (0.5)	6.4 (0.5)	5.2 (0.5)	5.1 (0.5)	1.0 (0.5)	1.6 (0.5)
1,1,2-Trichloroethane	ND (0.5)	1.1 (0.5)	1.0 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Toluene	ND (5)	12 (5)	7.8 (5)	10 (5)	8.0 (5)	7.4 (5)	ND (5)	ND (5)	ND (5)	2.5 (5)
Tetrachloroethene	27 (1)	18 (1)	7.7 (1)	2.2 (1)	0.6 (1)	ND (1)	2.7 (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m/p-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
n-Propylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,2,4-Trimethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Isopropyltoluene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Naphthalene	8.3 (5)	19 (5)	28 (5)	21 (5)	18 (5)	13 (5)	15 (5)	26 (5)	22 (5)	18 (5)
Surrogate Recoveries										
Dibromofluoromethane	93	106	97	98	104	96	99	104	100	102
d8-Toluene	97	90	96	98	98	97	105	96	103	97
Bromofluorobenzene	98	99	96	98	99	92	99	106	99	99
Wet Chem. (mg/L)										
Ferrous Iron (Fe^{+2})	–	–	115	78	47	42	37	–	37	39
Chloride	–	61 (5)	50 (5)	57 (2)	52 (2)	53 (2)	43 (2)	33 (2)	59 (2)	42 (2)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-3 (Continued)
Historical Performance Monitoring Results for Monitoring Wells
Hamilton Beach Brands, Inc.

Chemicals of Concern	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A
I.D. No.	MW - 229	MW - 229	MW - 229	MW - 229	MW - 229	MW - 229	MW - 229	MW - 229	MW - 229	MW - 229
Sample Depth	4' - 10'	4' - 10'	4' - 10'	4' - 10'	4' - 10'	4' - 10'	4' - 10'	4' - 10'	4' - 10'	4' - 10'
Date Sampled	04/07/05	08/08/05	09/07/05	10/04/05	11/02/05	12/07/05	02/01/06	05/23/06	08/30/06	04/24/07
Date Analyzed	04/08/05	08/12/05	09/10/05	10/10/05	11/05/05	12/14/05	02/08/06	05/28/06	09/04/06	04/26/07
(Units = µg/L)										
Propene	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	0.6 (0.5)	ND (0.5)	1.1 (0.5)	1.0 (0.5)
2-Methylpropene	–	–	–	ND (0.5)	ND (0.5)	0.6 (0.5)	ND (0.5)	ND (0.5)	0.5 (0.5)	ND (0.5)
Vinyl Chloride	13 (0.5)	3.6 (0.5)	9.8 (0.5)	54 (0.5)	13 (0.5)	18 (0.5)	6.4 (0.5)	2.4 (0.5)	16 (0.5)	1,483 (5)
1,3-butdiene	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	ND (0.5)	2.0 (0.5)	8.0 (0.5)	43 (0.5)	26 (0.5)	24 (0.5)	27 (0.5)	18 (0.5)	63 (0.5)	365 (0.5)
Dimethyl Sulfide	–	95 (0.5)	65 (0.5)	61 (0.5)	15 (0.5)	10 (0.5)	3.7 (0.5)	1.6 (0.5)	3.3 (0.5)	25 (0.5)
1,1-Dichloroethene	710 (5)	59 (0.5)	134 (0.5)	267 (0.5)	151 (0.5)	253 (0.5)	91 (0.5)	32 (0.5)	178 (0.5)	474 (0.5)
trans-Dichloroethene	33 (0.5)	5.3 (0.5)	9.6 (0.5)	6.0 (0.5)	4.2 (0.5)	3.8 (0.5)	4.6 (0.5)	1.4 (0.5)	5.4 (0.5)	19 (0.5)
1,1-Dichloroethane	1898 (5)	178 (0.5)	415 (0.5)	163 (0.5)	70 (0.5)	86 (0.5)	41 (0.5)	19 (0.5)	62 (0.5)	610 (5)
Ethyl Acetate	–	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
cis-Dichloroethene	5647 (5)	528 (0.5)	1453 (5)	189 (0.5)	310 (0.5)	263 (0.5)	192 (0.5)	114 (0.5)	305 (0.5)	903 (5)
Chloroform	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	73 (0.5)	3.8 (0.5)	14 (0.5)	3.1 (0.5)	ND (0.5)	0.6 (0.5)	1.0 (0.5)	ND (0.5)	1.2 (0.5)	6.1 (0.5)
1,1,1-Trichloroethane	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Carbon Tetrachloride	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	0.7 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.8 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Trichloroethene	6.0 (0.5)	1.1 (0.5)	1.6 (0.5)	1.5 (0.5)	1.2 (0.5)	1.3 (0.5)	3.1 (0.5)	1.5 (0.5)	11 (0.5)	2.0 (0.5)
1,1,2-Trichloroethane	5.1 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Toluene	ND (5)	5.2 (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Tetrachloroethene	ND (1)	1.5 (1)	ND (1)	ND (1)	ND (1)	ND (1)	2.6 (1)	ND (1)	ND (1)	ND (1)
Ethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m/p-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
n-Propylbenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,2,4-Trimethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Isopropyltoluene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Naphthalene	ND (5)	ND (5)	ND (5)	ND (5)	12 (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Surrogate Recoveries										
Dibromofluoromethane	90	106	98	99	102	99	104	103	107	102
d8-Toluene	94	92	98	98	99	99	100	97	103	98
Bromofluorobenzene	96	98	95	98	101	100	99	104	106	98
Wet Chem. (mg/L)										
Ferrous Iron (Fe^{+2})	–	–	62	36	31	21	26	–	24	26
Chloride	–	78 (5)	84 (2)	44 (5)	29 (2)	30 (2)	28 (2)	11 (2)	17 (1)	56 (1)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-3 (Continued)
Historical Performance Monitoring Results for Monitoring Wells
Hamilton Beach Brands, Inc.

Chemicals of Concern	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A
I.D. No.	MW-ERH2	MW-ERH2	MW-ERH2	MW-ERH2	MW-ERH2	MW-ERH2	MW-ERH2	MW-ERH2	MW-ERH2	MW-ERH2
Sample Depth	5' - 10'	5' - 10'	5' - 10'	5' - 10'	5' - 10'	5' - 10'	5' - 10'	5' - 10'	5' - 10'	5' - 10'
Date Sampled	02/17/05	08/08/05	09/07/05	10/04/05	11/03/05	12/08/05	02/02/06	05/24/06	08/30/06	4/24/2007
Date Analyzed	02/20/05	08/12/05	09/11/05	10/10/05	11/07/05	12/18/05	02/08/06	06/01/06	09/07/06	04/29/07
(Units = µg/L)										
Propene	–	–	–	0.8 (0.5)	1.5 (0.5)	ND (5)	ND (5)	0.8 (0.5)	1.8 (0.5)	0.6 (0.5)
2-Methylpropene	–	–	–	0.9 (0.5)	1.1 (0.5)	ND (5)	ND (5)	0.9 (0.5)	1.0 (0.5)	0.6 (0.5)
Vinyl Chloride	48 (5)	148 (0.5)	135 (0.5)	209 (0.5)	235 (0.5)	157 (5)	155 (5)	167 (0.5)	138 (0.5)	388 (0.5)
1,3-butdiene	–	–	–	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	ND (5)	ND (0.5)	0.6 (0.5)	2.5 (0.5)	2.7 (0.5)	ND (5)	ND (5)	4.8 (0.5)	3.3 (0.5)	4.0 (0.5)
Dimethyl Sulfide	–	ND (0.5)	21 (0.5)	30 (0.5)	85 (0.5)	94 (5)	77 (5)	55 (0.5)	141 (0.5)	293 (0.5)
1,1-Dichloroethene	6,060 (5)	21,939 (25)	21,246 (25)	8,830 (0.5)E	25,090 (10)	24,077 (50)	14,494 (50)	22,838 (50)	23,429 (50)	16,708 (25)
trans-Dichloroethene	13 (5)	38 (0.5)	27 (0.5)	36 (0.5)	50 (0.5)	41 (5)	35 (5)	52 (0.5)	44 (0.5)	69 (0.5)
1,1-Dichloroethane	39 (5)	631 (0.5)	407 (0.5)	877 (0.5)E	1,790 (10)	1,631 (5)	1,175 (5)	1,778 (5)	1,596 (50)	1,662 (25)
Ethyl Acetate	–	ND (1)	ND (1)	ND (1)	ND (1)	ND (10)	ND (10)	ND (1)	ND (1)	ND (1)
cis-Dichloroethene	125 (5)	296 (0.5)	376 (0.5)	887 (0.5)E	2,090 (10)	2,347 (5)	2,296 (5)	5,796 (50)	7,448 (50)	14,001 (25)
Chloroform	ND (5)	ND (0.5)	4.5 (0.5)	5.7 (0.5)	6.1 (0.5)	ND (5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	ND (5)	6.8 (0.5)	5.2 (0.5)	9.2 (0.5)	12 (0.5)	12 (5)	15 (5)	16 (0.5)	16 (0.5)	14 (0.5)
1,1,1-Trichloroethane	ND (5)	11 (0.5)	33 (0.5)	31 (0.5)	44 (0.5)	33 (5)	21 (5)	25 (0.5)	16 (0.5)	7.6 (0.5)
Carbon Tetrachloride	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	9.0 (5)	7.8 (0.5)	7.5 (0.5)	9.1 (0.5)	9.1 (0.5)	9.6 (5)	15 (5)	9.4 (0.5)	6.5 (0.5)	6.8 (0.5)
Trichloroethene	1,346 (5)	2,466 (25)	2,968 (25)	1,988 (0.5)E	5,420 (10)	4,857 (50)	3,634 (50)	5,973 (50)	4,382 (50)	73 (0.5)
1,1,2-Trichloroethane	18 (5)	25 (0.5)	26 (0.5)	27 (0.5)	32 (0.5)	27 (5)	24 (5)	31 (0.5)	29 (0.5)	16 (0.5)
Toluene	96 (50)	125 (5)	133 (5)	198 (5)	260 (5)	288 (50)	254 (5)	366 (5)	280 (0.5)	331 (25)
Tetrachloroethene	ND (5)	1.8 (1)	1.8 (1)	2.7 (1)	3.1 (1)	13 (10)	11 (10)	3.5 (1)	2.7 (1)	ND (1)
Ethylbenzene	ND (50)	ND (5)	ND (5)	ND (5)	5.1 (5)	ND (50)	ND (50)	5.1 (5)	3.9 (5)	ND (5)
m/p-Xylene	ND (50)	9.9 (5)	ND (5)	13 (5)	14 (5)	ND (50)	ND (50)	13 (5)	10 (5)	10 (5)
o-Xylene	ND (50)	13 (5)	12 (5)	15 (5)	16 (5)	ND (50)	ND (50)	17 (5)	13 (5)	13 (5)
n-Propylbenzene	ND (10)	2.9 (1)	ND (1)	ND (1)	ND (1)	ND (10)	ND (10)	2.5 (1)	1.7 (1)	2.4 (1)
1,2,4-Trimethylbenzene	ND (50)	19 (5)	17 (5)	19 (5)	19 (5)	ND (50)	ND (50)	18 (5)	12 (5)	16 (5)
4-Isopropyltoluene	ND (10)	2.0 (1)	ND (1)	ND (1)	ND (1)	ND (10)	ND (10)	ND (1)	ND (1)	ND (1)
Naphthalene	ND (50)	24 (5)	26 (5)	20 (5)	26 (5)	ND (50)	ND (50)	23 (5)	28 (5)	23 (5)
Surrogate Recoveries										
Dibromofluoromethane	96	103	99	103	106	101	103	102	105	101
d8-Toluene	98	94	93	98	96	102	102	95	101	99
Bromofluorobenzene	94	100	97	98	100	97	96	105	109	98
Wet Chem. (mg/L)										
Ferrous Iron (Fe^{+2})	–	–	942	785	723	709	728	–	649	734
Chloride	3,170	2,581 (50)	2,548 (50)	1,749 (100)	1,980 (100)	1,457 (100)	1,901 (100)	1,087 (100)	1,557 (100)	1,635 (50)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-3 (Continued)
Historical Performance Monitoring Results for Monitoring Wells
Hamilton Beach Brands, Inc.

Chemicals of Concern	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A
I.D. No.	MW-ERH3	MW-ERH3	MW-ERH3	MW-ERH3	MW-ERH3	MW-ERH3	MW-ERH3	MW-ERH3	MW-ERH3	MW-ERH3
Sample Depth	5' - 10'	5' - 10'	5' - 10'	5' - 10'	5' - 10'	5' - 10'	5' - 10'	5' - 10'	5' - 10'	5' - 10'
Date Sampled	02/17/05	08/08/05	09/07/05	10/04/05	11/03/05	12/08/05	02/02/06	05/24/06	08/30/06	04/24/07
Date Analyzed	02/20/05	08/12/05	09/11/05	10/10/05	11/07/05	12/16/05	02/07/06	05/31/06	09/06/06	04/29/07
(Units = µg/L)										
Propene	–	–	–	1.5 (0.5)	2.8 (0.5)	2.9 (0.5)	3.2 (0.5)	5.7 (0.5)	6.5 (0.5)	4.0 (0.5)
2-Methylpropene	–	–	–	1.3 (0.5)	1.3 (0.5)	1.3 (0.5)	1.3 (0.5)	1.8 (0.5)	2.0 (0.5)	1.3 (0.5)
Vinyl Chloride	23 (5)	60 (0.5)	64 (0.5)	302 (0.5)	265 (0.5)	162 (0.5)	153 (0.5)	256 (0.5)	1,999 (25)	915 (50)
1,3-butdiene	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	0.6 (0.5)	ND (0.5)	2.0 (0.5)	1.5 (0.5)
Dimethyl Sulfide	–	385 (0.5)	381 (0.5)	493 (0.5)	460 (10)	454 (0.5)	430 (0.5)	519 (10)	645 (25)	675 (50)
1,1-Dichloroethene	2,537 (5)	6,263 (25)	5,859 (12.5)	5,760 (25)	6,280 (10)	7,801 (10)	7,242 (25)	9,090 (10)	10,241 (25)	13,360 (50)
trans-Dichloroethene	12 (5)	20 (0.5)	14 (0.5)	18 (0.5)	20 (0.5)	23 (0.5)	23 (0.5)	31 (0.5)	29 (0.5)	27 (0.5)
1,1-Dichloroethane	5.1 (5)	69 (0.5)	84 (0.5)	106 (0.5)	175 (0.5)	262 (0.5)	315 (0.5)	566 (10)	676 (25)	930 (50)
Ethyl Acetate	–	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
cis-Dichloroethene	234 (5)	867 (25)	1,561 (12.5)	2,965 (25)	3,325 (10)	5,409 (10)	8,112 (25)	10,100 (10)	9,704 (25)	11,520 (50)
Chloroform	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	ND (5)	ND (0.5)	0.6 (0.5)	1.5 (0.5)	2.6 (0.5)	3.6 (0.5)	4.8 (0.5)	7.2 (0.5)	9.7 (0.5)	9.2 (0.5)
1,1,1-Trichloroethane	ND (5)	ND (0.5)	ND (0.5)	0.7 (0.5)	0.9 (0.5)	ND (0.5)	0.8 (0.5)	1.2 (0.5)	2.9 (0.5)	3.6 (0.5)
Carbon Tetrachloride	ND (5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	13 (5)	12 (0.5)	11 (0.5)	11 (0.5)	11 (0.5)	12 (0.5)	11 (0.5)	12 (0.5)	11 (0.5)	9.7 (0.5)
Trichloroethene	3,265 (5)	3,404 (25)	2,889 (12.5)	3,070 (25)	2,890 (10)	2,388 (10)	228 (0.5)	56 (0.5)	71 (0.5)	23 (0.5)
1,1,2-Trichloroethane	ND (5)	3.0 (0.5)	2.9 (0.5)	2.6 (0.5)	3.7 (0.5)	3.4 (0.5)	3.8 (0.5)	3.6 (0.5)	4.6 (0.5)	4.6 (0.5)
Toluene	ND (5)	14 (5)	13 (5)	15 (5)	17 (5)	20 (5)	21 (5)	25 (5)	30 (5)	32 (5)
Tetrachloroethene	ND (5)	1.9 (0.5)	1.8 (1)	1.7 (1)	1.6 (1)	ND (1)	1.4 (1)	ND (1)	1.0 (1)	1.1 (1)
Ethylbenzene	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m/p-Xylene	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
n-Propylbenzene	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
1,2,4-Trimethylbenzene	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Isopropyltoluene	ND (10)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Naphthalene	ND (50)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Surrogate Recoveries										
Dibromofluoromethane	100	100	98	103	109	105	103	107	102	101
d8-Toluene	100	93	95	97	95	94	100	95	99	99
Bromofluorobenzene	99	103	98	98	100	100	97	106	110	98
Wet Chem. (mg/L)										
Ferrous Iron (Fe^{+2})	–	–	256	284	267	290	339	–	306	410
Chloride	908	605 (20)	627 (20)	635 (20)	651 (20)	669 (20)	731 (20)	819 (20)	605 (20)	531 (20)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

Appendix A-3 (Continued)
Historical Performance Monitoring Results for Monitoring Wells
Hamilton Beach Brands, Inc.

Chemicals of Concern	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A	Unit A
I.D. No.	MW-GAW2	MW-GAW2	MW-GAW2	MW-GAW2	MW-GAW2	MW-GAW2	MW-GAW2	MW-GAW2	MW-GAW2	MW-GAW2
Sample Depth	4' - 11'	4' - 11'	4' - 11'	4' - 11'	4' - 11'	4' - 11'	4' - 11'	4' - 11'	4' - 11'	4' - 11'
Date Sampled	02/11/05	08/08/05	09/07/05	10/04/05	11/02/05	12/08/05	02/02/06	05/24/06	08/30/06	04/24/07
Date Analyzed	02/11/05	08/13/05	09/12/05	10/09/05	11/05/05	12/16/05	02/06/06	05/28/06	09/04/06	04/26/07
(Units = µg/L)										
Propene	–	–	–	ND (0.5)	ND (0.5)	0.7 (0.5)	0.6 (0.5)	0.8 (0.5)	1.5 (0.5)	1.0 (0.5)
2-Methylpropene	–	–	–	ND (0.5)	0.6 (0.5)	ND (0.5)	0.5 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Vinyl Chloride	1.2 (0.5)	34 (0.5)	85 (0.5)	285 (0.5)	1315 (0.5)E	774 (0.5)	634 (5)	558 (0.5)	111 (0.5)	350 (0.5)
1,3-butdiene	–	–	–	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chloroethane	ND (0.5)	ND (0.5)	18 (0.5)	44 (0.5)	11 (0.5)	5.0 (0.5)	4.8 (0.5)	8.8 (0.5)	5.2 (0.5)	4.6 (0.5)
Dimethyl Sulfide		306 (0.5)	79 (0.5)	8.1 (0.5)	58 (0.5)	67 (0.5)	40 (0.5)	19 (0.5)	34 (0.5)	18 (0.5)
1,1-Dichloroethene	61 (0.5)	831 (0.5)	491 (0.5)	79 (0.5)	480 (0.5)	696 (0.5)	432 (5)	191 (0.5)	77 (0.5)	76 (0.5)
trans-Dichloroethene	0.6 (0.5)	4.9 (0.5)	5.5 (0.5)	6.0 (0.5)	7.7 (0.5)	6.4 (0.5)	5.1 (0.5)	4.7 (0.5)	5.1 (0.5)	3.0 (0.5)
1,1-Dichloroethane	1.9 (0.5)	68 (0.5)	36 (0.5)	15 (0.5)	150 (0.5)	130 (0.5)	90 (0.5)	106 (0.5)	106 (0.5)	109 (0.5)
Ethyl Acetate	–	4.1 (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
cis-Dichloroethene	42 (0.5)	276 (0.5)	449 (0.5)	69 (0.5)	210 (0.5)	194 (0.5)	97 (0.5)	62 (0.5)	58 (0.5)	22 (0.5)
Chloroform	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
1,2-Dichloroethane	ND (0.5)	0.6 (0.5)	2.4 (0.5)	2.3 (0.5)	ND (0.5)	1.7 (0.5)	1.0 (0.5)	1.5 (0.5)	1.8 (0.5)	1.3 (0.5)
1,1,1-Trichloroethane	ND (0.5)	1.1 (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	3.6 (0.5)	8.9 (0.5)	1.0 (0.5)	ND (0.5)	ND (0.5)
Carbon Tetrachloride	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Benzene	ND (0.5)	ND (0.5)	2.6 (0.5)	3.5 (0.5)	3.9 (0.5)	3.0 (0.5)	2.3 (0.5)	2.6 (0.5)	3.1 (0.5)	1.4 (0.5)
Trichloroethene	26 (0.5)	ND (0.5)	7.1 (0.5)	2.1 (0.5)	3.9 (0.5)	4.5 (0.5)	3.0 (0.5)	2.2 (0.5)	1.6 (0.5)	0.9 (0.5)
1,1,2-Trichloroethane	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1.7 (0.5)	ND (0.5)	0.8 (0.5)	0.8 (0.5)	ND (0.5)	ND (0.5)
Toluene	ND (5)	ND (5)	ND (5)	8.8 (5)	13 (5)	11 (5)	9.1 (5)	11 (5)	13 (5)	9.1 (5)
Tetrachloroethene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	1.6 (1)
Ethylbenzene	ND (5)	5.8 (5)	12 (5)	15 (5)	40 (5)	30 (5)	14 (5)	20 (5)	22 (5)	15 (5)
m/p-Xylene	ND (5)	7.9 (5)	14 (5)	17 (5)	32 (5)	27 (5)	14 (5)	19 (5)	12 (5)	7.4 (5)
o-Xylene	ND (5)	16 (5)	36 (5)	41 (5)	90 (5)	63 (5)	31 (5)	42 (5)	44 (5)	25 (5)
n-Propylbenzene	ND (1)	5.5 (1)	ND (1)	5.0 (1)	11 (1)	11 (1)	4.6 (1)	6.0 (1)	5.4 (1)	4.5 (1)
1,2,4-Trimethylbenzene	ND (5)	20 (5)	36 (5)	41 (5)	75 (5)	65 (5)	30 (5)	38 (5)	28 (5)	18 (5)
4-Isopropyltoluene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0.6 (1)	0.6 (1)	ND (1)
Naphthalene	9.3 (5)	43 (5)	74 (5)	81 (5)	110 (5)	42 (5)	30 (5)	46 (5)	68 (5)	38 (5)
Surrogate Recoveries										
Dibromofluoromethane	103	108	102	100	104	97	99	104	109	102
d8-Toluene	98	92	96	98	99	96	105	99	104	98
Bromofluorobenzene	97	99	99	98	102	93	97	105	115	99
Wet Chem. (mg/L)										
Ferrous Iron (Fe^{+2})	–	–	401	206	153	112	102	–	109	111
Chloride	760	503 (10)	714 (20)	431 (20)	377 (20)	184 (20)	123 (5)	230 (5)	239 (5)	159 (5)

µg/L = micrograms/Liter
mg/L = milligrams/Liter

ND ( ) = Not detected at specified detection limit
– = not analyzed or not applicable

APPENDIX B

APPENDIX B-1

QUALIFIED ANALYTICAL RESULTS AND LABORATORY REPORT - APRIL 2012

QUALIFIED DATA – APRIL 2012

Data Evaluation Checklist
Organic Analyses

Project:	Hamilton Beach Brands – Washington, NC	Project No.:	31828403.00001
Work Orders:	F92428 & F92489	Method(s):	SW-846 8260B (Select VOC), SW-846 8270D (3&4-Methylphenol, bis(2-Ethylhexyl)phthalate, & 2-Methylnaphthalene), and RSK SOP-147/175 (MEE)
Laboratory:	Accutest-Southeast, Orlando, FL	Sample IDs:	Refer to **Attachment A** (Sample Summary)
Matrix:	Water	Sample Dates:	04/24/12 & 04/25/12
Reviewer:	Sarah Choyke	Date:	06/04/12
ITR[1]:	Martha Meyers-Lee	Date:	08/10/12

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were holding times met?	✓			• 8260B: ≤7 days (unpreserved) • 8270D: ≤7 days to extract, ≤40 days after extraction • 147/175: ≤7 days (unpreserved)	
2. Were sample storage and preservation requirements met?	✓			• Temperatures of sample containers upon receipt were 2.8°C (≤6°C). • Headspace was not observed in any VOA vials containing water samples	
3. Were measurement results for all project-specified target analytes reported?	✓				
4. Was a method blank analyzed with each batch?	✓			• 8260: VJ3934-MB, VJ3941-MB, VJ3943-MB, VO373-MB, & VJ3944-MB • 8270: OP41592-MB (Analyzed on 04/30/12 & 05/01/12) • 147/175: GXY2344-MB & GFF651-MB	
5. Were target analytes reported in the method blank above the Detection Limit (DL)?		✓			
6. Were target analytes reported in field blank analyses (e.g., trip, ~~ambient, field, or equipment~~) or drilling water above the DL?		✓		A trip blank was included in the sample shipments, but inadvertently not analyzed by the laboratory because the trip blanks were not listed on the COC record.	
7. Was carryover suspected by the laboratory during sample analysis?			✓		
8. Were analytes detected during the diluted analysis of a sample, but not undiluted or lower dilution?			✓		

[1] Independent Technical Reviewer

Data Evaluation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
9. Were contaminants detected in samples below the blank contamination action level?			✓	Blank contamination does not exist.	
10. Was a field duplicate analyzed?	✓			MW-GAW12 is a field duplicate of MW-GAW2	
11. Was precision deemed acceptable as defined by the project plans and/or DV Guidelines?	✓			Refer to **Attachment B**	
12. Was a LCS prepared/analyzed with each batch?	✓			• 8260: VJ3934-BS, VJ3941-BS, VJ3943-BS, VO373-BS, & VJ3944-BS • 8270: OP41592-BS • 147/175: GXY2344-BS & GFF651-BS	
13. Were LCS recoveries within lab/project[2] specifications?	✓				
14. Were LCS/LCSD RPD within lab specifications?			✓	LCS only	
15. Was a MS/MSD pair analyzed with each batch?	✓			• 8260: ○ VJ3934: F92306-4 (Batch) ○ VJ3941: F92319-1 (Batch) ○ VJ3943: F92503-4 (Batch) ○ VO373: F92213-2 (Batch) ○ VJ3944: F92425-1 (Batch) • 8270: F92572-2 (Batch) • 147/175: ○ GXY2344: F92422-1 (Batch) ○ GFF651: F92489-2 (NW-E-9). MS only	
16. Is the MS/MSD parent sample a project-specific sample?	✓	✓			
17. Were MS/MSD recoveries within lab/project[3] specifications? *Only QC results for project samples are evaluated.*		✓		• NW-E-9 (F92489-2), 147/175, DF=20: ○ Methane @ 741%R (54-149). An evaluation of interference is not possible, as the native sample concentration was greater than 4x spiking level. ○ Ethane@ 310%R (57-143). J ○ Ethene@ 332%R (57-143). J	J
18. Were MS/MSD RPD within lab specifications? *Only QC results for project samples are evaluated.*	✓				
19. Was a laboratory duplicate analyzed with each batch?		✓			
20. Is the laboratory duplicate sample a project-specific sample?	✓	✓		• 8260: None • 8270: None • 147-175: ○ GXY2344: F92420-1 (Batch) ○ GFF651: F92489-3 (NW-D-9)	

[2] LCS recovery must fall within 60 to 140% of the true value.
[3] MS or MSD recovery should fall within 60 to 140% of the true value when laboratory control limits are <60 and >140%.

Data Evaluation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
21. Do laboratory duplicate results meet lab specifications? *Only QC results for project samples are evaluated.*		✓		NW-D-9 (F92489-3), 147/175, DF=1: Ethene @ 19%RPD (≤10). J	J
22. Were initial and continuing calibration standards analyzed at the lab/project-specified frequency for each instrument?	✓			• 8260: • Initial Calibration (ICAL) of 04/19/12, instrument GCMSJ • Initial Calibration Verification (ICV) of 04/19/12 @ 16:59 • Continuing Calibration Verification (CCV) of 04/27/12 @ 11:09[4] • CCV of 04/28/12 @ 09:18[5] • CCV of 04/30/12 @ 09:15[6] • CCV of 05/01/12 @ 10:12[7] • CCV of 05/02/12 @ 09:37[8] • ICAL of 04/30/12, instrument GCMSO • ICV of 04/30/12 @ 14:48 • CCV of 05/01/12 @ 09:19[9] • 8270: • ICAL of 04/23/12, instrument GCMST • ICV of 04/23/12 @ 20:48 & 21:18 • CCV of 04/30/12@ 09:50[10] • CCV of 05/01/12 @ 12:06[11] • 147/175: • ICAL of 02/20/12 • ICV of 02/20/12 @ 15:44 • CCV of 04/26/12 @ 8:41, 11:50, 14:28, & 16:05[12]	

[4] Associated samples: W81 (F92428-1), W82 (F92428-2), MW-211 (F92428-3), & NW-AB-19 (F92428-4)
[5] Associated sample: NW-P-0 (F92428-5)
[6] Associated samples: NW-P-0 (F92428-5), MW-229 (F92428-6), M-2 (F92428-7), MW-209 (F92428-9), NW-F-2 (F92428-10), MW-213 (F92428-11), & MW-219 (F92428-12)
[7] Associated samples: MW-213 (F92428-11), NW-K-6 (F92428-8), MW-209 (F92428-9), & MW-229 (F92428-6)
[8] Associated samples: MW-GAW2 (F92489-5), MW-GAW12 (F92489-6), NW-E-9 (F92489-2), MW-ERH2 (F92489-7), NW-R-14 (F92489-8), NW-G-12 (F92489-1), & MW-227 (F92489-4)
[9] Associated samples: NW-D-9 (F92489-3) & NW-R-14 (F92489-8)
[10] Associated sample: MW-GAW2 (F92489-5)
[11] Associated sample: MW-ERH2 (F92489-7)
[12] Associated samples: W81 (F92428-1), W82 (F92428-2), MW-211 (F92428-3), NW-AB-19 (F92428-4), NW-P-0 (F92428-5), MW-229 (F92428-6), M-2 (F92428-7), NW-K-6 (F92428-8), MW-209 (F92428-9), NW-F-2 (F92428-10), MW-213 (F92428-11), & MW-219 (F92428-12)

Data Evaluation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
				• ICAL of 03/13/12 • ICV of 03/13/12 @ 10:50 • CCV of 04/27/12 @ 09:09, 12:33, & 16:32[13]	
23. Were these results within lab/project specifications?		✓		See Comment section for the evaluation of tuning and calibration data.	J
24. Were surrogate recoveries within lab/project specifications?		✓		MW-ERH2 (F92489-7, DF=10), 8270D: Phenol-d5 @60%R (10-40). Low recovery attributed to sample dilution therefore, qualification of data is not required.	
25. Were internal standard results within lab specifications?	✓				
26. Were TIC reported and were reported results qualified as estimated concentrations?			✓		
27. Were laboratory-generated Corrective Action Reports (i.e., QCER) issued? If yes, summarize contents or attach copy of the report.		✓			
28. Were lab comments included in report? If yes, summarize contents or attach a copy of the narrative.	✓			Refer to **Attachment C** (Case Narratives)	

Comments:

20. Evaluation of Tune and Calibration Data:

Ion abundance tuning criteria were met during all volatile and semivolatile organic initial and continuing calibrations determined by GC/MS. Samples were analyzed within 12 hours of each tune. Laboratory[14] and project[15] specifications were met during all initial and continuing calibrations for all GC/MS target analytes, except as noted below.

- 8260, CCV of 05/01/12 @ 10:12, instrument GCMSJ: Carbon tetrachloride @ -21.6%D ($\leq$20). None, as a negative percent difference (%D) is indicative of a positive bias and carbon tetrachloride was not detected in the associated samples[7].
- 8260, CCV of 05/01/12 @ 09:19, instrument GCMSO: Chloroethane @ -22.3%D ($\leq$20). None, as a negative percent difference (%D) is indicative of a positive bias and chloroethane was not detected in the associated sample[9].

Laboratory[16]/project specifications were met during the initial and continuing calibration of the GC for MEE.

[13] Associated samples: NW-G-12 (F92489-1), NW-E-9 (F92489-2), NW-D-9 (F92489-3), MW-227 (F92489-4), MW-GAW2 (F92489-5), MW-GAW12 (F92489-6), MW-ERH2 (F92489-7), & NW-R-14 (F92489-8)

[14] SW-846 8260B: Initial calibration average relative response factor (RRF) and continuing calibration response factor (CCRF) $\geq$0.10 for chloromethane, 1,1-DCA, and bromoform, $\geq$0.30 for chlorobenzene and 1,1,2,2-tetrachloroethane; %RSD $\leq$30 for CCC (i.e., 1,1-DCE, toluene, chloroform, ethyl benzene, 1,2-dichloropropane, vinyl chloride) and $\leq$15 for all other compounds, OR r $\geq$0.995, OR r2 $\geq$0.99; and %D $\leq$20 for all compounds.

[15] Initial calibration average RRF and CCRF $\geq$0.010 for poor performers (e.g., ketones) and $\geq$0.050 for all others; $\leq$15%RSD, r$\geq$ 0.995, or r^2 $\geq$0.99; and $\leq$20%D ($\leq$40%D for poor performers)

[16] %RSD $\leq$15 or r^2>0.995, %D<20, & RT with 0.5 min of ICAL window

Data Evaluation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
The data review process was modeled after the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Superfund Organic Methods Data Review* (EPA, June 2008). Sample results have been qualified based on the results of the data review process **(Attachment D)**. In performing the data evaluation, the URS' data reviewer assumed that the data reported by the laboratory are complete, compliant, and an accurate representation of the raw data. Criteria for acceptability of data were based upon available site information, analytical method requirements, guidance documents, and professional judgment.					

Flag Definitions:

J Estimated value
UJ Not detected and the detection limit is estimated
U Not present above the associated level; blank contamination exists
R Unusable data

ATTACHMENT A

SAMPLE SUMMARIES

Sample Summary

URS Corporation

Job No: F92428

Hamilton Beach: 234 Springs Rd, Washington, NC
Project No: 31828403.00001

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F92428-1	04/24/12	10:50	MMSW	04/25/12	AQ	Surface Water	W81
F92428-2	04/24/12	11:00	MMSW	04/25/12	AQ	Surface Water	W82
F92428-3	04/24/12	11:15	MMSW	04/25/12	AQ	Ground Water	MW-211
F92428-4	04/24/12	12:45	MMSW	04/25/12	AQ	Ground Water	NW-AB-19
F92428-5	04/24/12	13:10	MMSW	04/25/12	AQ	Ground Water	NW-P-0
F92428-6	04/24/12	13:45	MMSW	04/25/12	AQ	Ground Water	MW-229
F92428-7	04/24/12	14:00	MMSW	04/25/12	AQ	Ground Water	M-2
F92428-8	04/24/12	14:30	MMSW	04/25/12	AQ	Ground Water	NW-K-6
F92428-9	04/24/12	14:45	MMSW	04/25/12	AQ	Ground Water	MW-209
F92428-10	04/24/12	15:10	MMSW	04/25/12	AQ	Ground Water	NW-F-2
F92428-11	04/24/12	15:30	MMSW	04/25/12	AQ	Ground Water	MW-213
F92428-12	04/24/12	16:00	MMSW	04/25/12	AQ	Ground Water	MW-219

Sample Summary

URS Corporation

Job No: F92489

Hamilton Beach: 234 Springs Rd, Washington, NC
Project No: 31828403.00001

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F92489-1	04/25/12	08:45	MMSW	04/26/12	AQ	Ground Water	NW-G-12
F92489-2	04/25/12	09:15	MMSW	04/26/12	AQ	Ground Water	NW-E-9
F92489-3	04/25/12	09:45	MMSW	04/26/12	AQ	Ground Water	NW-D-9
F92489-4	04/25/12	10:20	MMSW	04/26/12	AQ	Ground Water	MW-227
F92489-5	04/25/12	10:50	MMSW	04/26/12	AQ	Ground Water	MW-GAW2
F92489-6	04/25/12	11:00	MMSW	04/26/12	AQ	Ground Water	MW-GAW12
F92489-7	04/25/12	11:30	MMSW	04/26/12	AQ	Ground Water	MW-ERH2
F92489-8	04/25/12	12:00	MMSW	04/26/12	AQ	Ground Water	NW-R-14

ATTACHMENT B

FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results

Attachment B

Analyte	MW-GAW2 (F92489-5)		RL	MW-GAW12 (F92489-6)		RL	Unit	Avg. RLx5	RPD	Absolute difference	Avg RL	Action
Benzene	0.91	J	1.0	0.91	J	1.0	µg/L	5	NA	0	1.0	None, absolute difference ≤ Avg RL
Chloroethane	13.4		2.0	12.5		2.0	µg/L	10	7	NA	NA	None, RPD ≤ 20%
1,1-Dichloroethane	81.8		1.0	78.3		1.0	µg/L	5	4	NA	NA	None, RPD ≤ 20%
1,1-Dichloroethylene	25.4		1.0	21.0		1.0	µg/L	5	19	NA	NA	None, RPD ≤ 20%
1,2-Dichloroethane	0.57	J	1.0	0.52	J	1.0	µg/L	5	NA	0.05	1.0	None, absolute difference ≤ Avg RL
cis-1,2-Dichloroethylene	14.4		1.0	12.9		1.0	µg/L	5	11	NA	NA	None, RPD ≤ 20%
trans-1,2-Dichloroethylene	0.97	J	1.0	1.1		1.0	µg/L	5	NA	0.13	1.0	None, absolute difference ≤ Avg RL
p-Isopropyltoluene	0.22	J	1.0			1.0	µg/L	5	NA	0.22	1.0	None, absolute difference ≤ Avg RL
1,2,4-Trimethylbenzene	0.52	J	2.0	0.51	J	2.0	µg/L	10	NA	0.01	2.0	None, absolute difference ≤ Avg RL
Toluene	0.74	J	1.0	0.75	J	1.0	µg/L	5	NA	0.01	1.0	None, absolute difference ≤ Avg RL
Trichloroethylene	3.1		1.0	2.8		1.0	µg/L	5	NA	0.3	1.0	None, absolute difference ≤ Avg RL
Vinyl chloride	51.4		1.0	45.8		1.0	µg/L	5	12	NA	NA	None, RPD ≤ 20%
o-Xylene	1.5		1.0	1.5		1.0	µg/L	5	NA	0	1.0	None, absolute difference ≤ Avg RL

Note: If the analyte was not detected, then the cell was left blank.

µg/L - micrograms per liter
J - Estimated value
NA - Not applicable
RL - Reporting limit
RPD - Relative percent difference

Precision is based on either the absolute difference between sample results or RPD. If the sample results are less than or equal to 5x's the RL, then precision is based on the absolute difference between duplicate results. If sample results >5x's RL, then precision is evaluated using RPD. J-Flag sample results whenever the absolute difference is greater than the RL (2x for soils) or the RPD >20% (35% for soil). Table above presents the results for detected analytes only.

ATTACHMENT C

CASE NARRATIVES

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	URS Corporation	**Job**	F92428
Site:	Hamilton Beach: 234 Springs Rd, Washington, NC	**Report Date**	5/3/2012 12:36:05 PM

12 Sample(s) were collected on 04/24/2012 and were received at Accutest SE on 04/25/2012 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of F92428. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ3934

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F92306-4MS, F92306-4MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for 1,1,2-Trichloroethane are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

Matrix Spike Recovery(s) for m,p-Xylene are outside control limits. Outside control limits due to high level in sample relative to spike amount. For method performance in a clean matrix, refer to Blank Spike.

F92428-1: Sample was not preserved to a pH < 2.

F92428-2: Sample was not preserved to a pH < 2.

F92428-3: Sample was not preserved to a pH < 2.

F92428-4: Sample was not preserved to a pH < 2.

Matrix: AQ **Batch ID:** VJ3936

F92428-5: Confirmation run.

Matrix: AQ **Batch ID:** VJ3941

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F92319-1MS, F92319-1MSD were used as the QC samples indicated.

F92428-5: Sample was not preserved to a pH < 2. Sample was treated with an anti-foaming agent.

F92428-6: Sample was not preserved to a pH < 2.

F92428-7: Sample was not preserved to a pH < 2. Sample was treated with an anti-foaming agent.

F92428-9: Sample was not preserved to a pH < 2.

F92428-10: Sample was not preserved to a pH < 2.

F92428-11: Sample was not preserved to a pH < 2.

F92428-12: Sample was not preserved to a pH < 2.

Matrix: AQ **Batch ID:** VJ3943

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F92503-4MS, F92503-4MSD were used as the QC samples indicated.

Matrix Spike Duplicate Recovery(s) for cis-1,2-Dichloroethylene, Ethylbenzene, m,p-Xylene, o-Xylene, Toluene are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

F92428-6: Sample was not preserved to a pH < 2.

F92428-9: Sample was not preserved to a pH < 2.

F92428-8: Sample was not preserved to a pH < 2.

F92428-8 for Carbon tetrachloride: CCV outside of control limits.

F92428-9 for Carbon tetrachloride: CCV outside of control limits.

F92428-11: Sample was not preserved to a pH < 2.

F92428-11 for Carbon tetrachloride: CCV outside of control limits.

Volatiles by GC By Method RSKSOP-147/175

Matrix: AQ **Batch ID:** GXY2344

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F92420-1DUP, F92422-1MS were used as the QC samples indicated.

RPD(s) for Duplicate for Methane are outside control limits for sample F92420-1DUP. RPD acceptable due to low sample and DUP concentrations.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: May 3, 2012

Kim Benham, Client Services (signature on file)

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	URS Corporation	**Job**	F92489
Site:	Hamilton Beach: 234 Springs Rd, Washington, NC	**Report Date**	5/10/2012 11:12:04 AM

8 Samples were collected on 04/25/2012 and were received at Accutest SE on 04/26/2012 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of F92489. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ3944

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F92425-1MS, F92425-1MSD were used as the QC samples indicated.

Matrix Spike Duplicate Recovery(s) for m,p-Xylene, Toluene are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

RPD(s) for MSD for 1,2,4-Trimethylbenzene, Carbon tetrachloride, m,p-Xylene, n-Propylbenzene are outside control limits for sample F92425-1MSD. Probable cause is due to sample non-homogeneity.

F92489-1: Sample was not preserved to a pH < 2.

F92489-2: Sample was not preserved to a pH < 2.

F92489-4: Sample was not preserved to a pH < 2.

F92489-5: Sample was not preserved to a pH < 2.

F92489-6: Sample was not preserved to a pH < 2.

F92489-7: Sample was not preserved to a pH < 2.

F92489-8: Sample was not preserved to a pH < 2.

Matrix: AQ **Batch ID:** VO373

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F92213-2MS, F92213-2MSD were used as the QC samples indicated.

F92489-3: Sample was not preserved to a pH < 2.

F92489-3 for Chloroethane: CCV outside of control limits.

F92489-8: Sample was not preserved to a pH < 2.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ **Batch ID:** OP41592

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F92572-2MS, F92572-2MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for 3&4-Methylphenol, bis(2-Ethylhexyl)phthalate are outside control limits. Probable cause is due to matrix interference.

RPD(s) for MSD for 3&4-Methylphenol, bis(2-Ethylhexyl)phthalate are outside control limits for sample OP41592-MSD. Probable cause is due to sample non-homogeneity.

Sample(s) OP41592-BS, F92489-7, OP41592-MSD have surrogates outside control limits.

OP41592-BS for Phenol-d5: Outside control limits.

F92489-7: Dilution required due to matrix interference.

F92489-7 for Phenol-d5: Outside control limits due to dilution.

OP41592-MSD for 2-Fluorophenol, Phenol-d5: Outside control limits.

Volatiles by GC By Method RSKSOP-147/175

Matrix: AQ **Batch ID:** GFF651

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F92489-3DUP, F92489-2MS were used as the QC samples indicated.

Matrix Spike Recovery(s) for Methane, Ethane are outside control limits. Outside control limits due to high level in sample relative to spike amount. For method performance in a clean matrix, refer to Blank Spike.
Matrix Spike Recovery(s) for Ethene are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

RPD(s) for Duplicate for Ethene are outside control limits for sample F92489-3DUP. Probable cause due to sample non-homogeneity.

F92489-2: Sample was not preserved to a pH < 2.

F92489-3: Sample was not preserved to a pH < 2.

F92489-4: Sample was not preserved to a pH < 2.

F92489-7: Sample was not preserved to a pH < 2.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

_____ Date: May 10, 2012

Kim Benham, Client Services (signature on file)

ATTACHMENT D

QUALIFIED SAMPLE RESULTS

Report of Analysis

Client Sample ID:	M-2		
Lab Sample ID:	F92428-7	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074382.D	1	04/30/12	MM	n/a	n/a	VJ3941
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	41.5	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	16.3	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.40	1.0	0.23	ug/l	J
107-06-2	1,2-Dichloroethane	2.4	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.97	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	101%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

(a) Sample was not preserved to a pH < 2. Sample was treated with an anti-foaming agent.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

3.7 3 Sample results have been qualified by URS based on the results of the data review process, which is modeled after the USEPA CLP NFG for Superfund Organic Methods Data Review (EPA, June 2008) and USEPA CLP NFG Inorganic Superfund Data Review (USEPA, January 2010).

Report of Analysis

Client Sample ID:	MW-209		
Lab Sample ID:	F92428-9	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074407.D	2	05/01/12	MM	n/a	n/a	VJ3943
Run #2 [a]	J074384.D	250	04/30/12	MM	n/a	n/a	VJ3941

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.40	ug/l	
75-00-3	Chloroethane	1340 [b]	500	130	ug/l	
67-66-3	Chloroform	ND	2.0	0.44	ug/l	
56-23-5	Carbon tetrachloride [c]	ND	2.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	106	2.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	10.6	2.0	0.46	ug/l	
107-06-2	1,2-Dichloroethane	38.0	2.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	30.7	2.0	0.52	ug/l	
156-60-5	trans-1,2-Dichloroethylene	5.0	2.0	0.70	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.40	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.42	ug/l	
91-20-3	Naphthalene	ND	10	2.0	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.40	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.44	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	4.0	0.54	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	10.8	2.0	0.40	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.52	ug/l	
75-01-4	Vinyl chloride	20.2	2.0	0.44	ug/l	
	m,p-Xylene	ND	4.0	0.64	ug/l	
95-47-6	o-Xylene	ND	2.0	0.40	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	100%	76-127%
2037-26-5	Toluene-D8	96%	97%	86-112%
460-00-4	4-Bromofluorobenzene	98%	96%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

ACCUTEST LABORATORIES
F92428

Report of Analysis

Client Sample ID:	MW-209		
Lab Sample ID:	F92428-9	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q

(c) CCV outside of control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ple results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

ACCUTEST LABORATORIES
F92428

Report of Analysis

Client Sample ID:	MW-211		
Lab Sample ID:	F92428-3	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074304.D	1	04/27/12	MM	n/a	n/a	VJ3934
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	1.6	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	13.8	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.53	1.0	0.35	ug/l	J
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	1.3	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	4.0	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	96%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	98%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

3.3 3

ple results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	MW-213		
Lab Sample ID:	F92428-11	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074403.D	1	05/01/12	MM	n/a	n/a	VJ3943
Run #2 [a]	J074386.D	5	04/30/12	MM	n/a	n/a	VJ3941

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.68	1.0	0.20	ug/l	J
75-00-3	Chloroethane	0.56	2.0	0.50	ug/l	J
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride [b]	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	84.7	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	124 [c]	5.0	1.2	ug/l	
107-06-2	1,2-Dichloroethane	2.7	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	63.2	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	2.3	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	1.1	5.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.25	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	23.0	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	73.1	1.0	0.22	ug/l	
	m,p-Xylene	0.91	2.0	0.[illegible]	ug/l	J
95-47-6	o-Xylene	1.1	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	103%	76-127%
2037-26-5	Toluene-D8	96%	98%	86-112%
460-00-4	4-Bromofluorobenzene	97%	97%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) CCV outside of control limits.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

ple results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	MW-213		
Lab Sample ID:	F92428-11	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q

(c) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	MW-219		
Lab Sample ID:	F92428-12	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074387.D	1	04/30/12	MM	n/a	n/a	VJ3941
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	1.3	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	103%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after the USEPA CLP NFG for Superfund Organic Methods Data Review (EPA, June 2008) and USEPA CLP NFG Inorganic Superfund Data Review (USEPA, January 2010).

ACCUTEST LABORATORIES
F92428

Report of Analysis

Client Sample ID:	MW-227		
Lab Sample ID:	F92489-4	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074450.D	1	05/02/12	MM	n/a	n/a	VJ3944
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	4.1	1.0	0.20	ug/l	
75-00-3	Chloroethane	66.6	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	0.33	1.0	0.25	ug/l	J
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	0.81	1.0	0.20	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.1	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	7.7	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	7.6	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	1.2	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	9.6	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	1.4	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
	m,p-Xylene	0.97	2.0	0.32	ug/l	J
95-47-6	o-Xylene	2.3	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	100%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	95%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

MMeyerson 8/7/12

Sample results have been qualified by URS based on the results of the data review process, which is modeled after the USEPA CLP NFG for Superfund Organic Methods Data Review (EPA, June 2008) and USEPA CLP NFG Inorganic Superfund Data Review (USEPA, January 2010).

ACCUTEST LABORATORIES
F92489

Report of Analysis

Client Sample ID:	MW-227		
Lab Sample ID:	F92489-4	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	FF15575.D	1	04/27/12	MM	n/a	n/a	GFF651
Run #2 [a]	FF15584.D	20	04/27/12	MM	n/a	n/a	GFF651

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	16200 [b]	10	3.2	ug/l	
74-84-0	Ethane	30.0	1.0	0.32	ug/l	
74-85-1	Ethene	0.58	1.0	0.43	ug/l	J

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

ACCUTEST LABORATORIES
F92489

Report of Analysis

Client Sample ID:	MW-229		
Lab Sample ID:	F92428-6	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074378.D	1	04/30/12	MM	n/a	n/a	VJ3941
Run #2 [a]	J074405.D	5	05/01/12	MM	n/a	n/a	VJ3943
Run #3 [a]	J074421.D	10	05/01/12	MM	n/a	n/a	VJ3943

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml
Run #3	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	3.7	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	208 [b]	5.0	1.3	ug/l	
75-35-4	1,1-Dichloroethylene	87.4 [c]	10	2.3	ug/l	
107-06-2	1,2-Dichloroethane	2.7	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	723 [c]	10	2.6	ug/l	
156-60-5	trans-1,2-Dichloroethylene	5.5 [b]	5.0	1.8	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	54.0 [c]	10	2.2	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	104%	102%	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	98%	101%	76-127%
2037-26-5	Toluene-D8	95%	96%	96%	86-112%
460-00-4	4-Bromofluorobenzene	97%	96%	99%	84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

3.6 3 ample results have been qualified by URS based on the results of the data review process, which is modeled after the USEPA CLP NFG for Superfund Organic Methods Data Review (EPA, June 2008) and USEPA CLP NFG Inorganic Superfund Data Review (USEPA, January 2010).

ACCUTEST LABORATORIES
F92428

Report of Analysis

Client Sample ID:	MW-229		
Lab Sample ID:	F92428-6	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2
(c) Result is from Run# 3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ple results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	MW-229		
Lab Sample ID:	F92428-6	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XY054686.D	1	04/26/12	SH	n/a	n/a	GXY2344
Run #2	XY054692.D	10	04/26/12	SH	n/a	n/a	GXY2344

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	1400 [a]	5.0	1.6	ug/l	
74-84-0	Ethane	10.8	1.0	0.32	ug/l	
74-85-1	Ethene	67.7	1.0	0.43	ug/l	

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

ACCUTEST LABORATORIES
F92428

Report of Analysis

Client Sample ID:	MW-ERH2		
Lab Sample ID:	F92489-7	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074438.D	100	05/02/12	MM	n/a	n/a	VJ3944
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	100	20	ug/l	
75-00-3	Chloroethane	317 80	200	50	ug/l	
67-66-3	Chloroform	ND	100	22	ug/l	
56-23-5	Carbon tetrachloride	ND	100	25	ug/l	
75-34-3	1,1-Dichloroethane	1160	100	25	ug/l	
75-35-4	1,1-Dichloroethylene	3780	100	23	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	4960	100	26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	74.4	100	35	ug/l	J
100-41-4	Ethylbenzene	ND	100	20	ug/l	
99-87-6	p-Isopropyltoluene	ND	100	21	ug/l	
91-20-3	Naphthalene	ND	500	100	ug/l	
103-65-1	n-Propylbenzene	ND	100	20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	200	27	ug/l	
127-18-4	Tetrachloroethylene	ND	100	25	ug/l	
108-88-3	Toluene	406	100	20	ug/l	
79-01-6	Trichloroethylene	ND	100	26	ug/l	
75-01-4	Vinyl chloride	4090	100	22	ug/l	
	m,p-Xylene	ND	200	32	ug/l	
95-47-6	o-Xylene	ND	100	20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	101%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

(*) MMeyerlee 8/7/12

ple results have been qualified by URS based on the results of the data review process, which is modeled after the USEPA CLP NFG for Superfund Organic Methods Data Review (EPA, June 2008) and USEPA CLP NFG Inorganic Superfund Data Review (USEPA, January 2010).

ACCUTEST LABORATORIES
F92489

Report of Analysis

Client Sample ID:	MW-ERH2		
Lab Sample ID:	F92489-7	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	T002096.D	10	05/01/12	FS	04/30/12	OP41592	ST115
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
	3&4-Methylphenol	447	48	10	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	48	10	ug/l	
91-57-6	2-Methylnaphthalene	ND	48	5.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		14-62%
4165-62-2	Phenol-d5	60% [b]		10-40%
118-79-6	2,4,6-Tribromophenol	94%		33-118%
4165-60-0	Nitrobenzene-d5	83%		42-108%
321-60-8	2-Fluorobiphenyl	79%		40-106%
1718-51-0	Terphenyl-d14	94%		39-121%

(a) Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ple results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

ACCUTEST LABORATORIES
F92489

Report of Analysis

Client Sample ID:	MW-ERH2		
Lab Sample ID:	F92489-7	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	FF15576.D	1	04/27/12	MM	n/a	n/a	GFF651
Run #2 [a]	FF15585.D	20	04/27/12	MM	n/a	n/a	GFF651

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	5980 [b]	10	3.2	ug/l	
74-84-0	Ethane	30.9	1.0	0.32	ug/l	
74-85-1	Ethene	373	1.0	0.43	ug/l	

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

ple results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

ACCUTEST LABORATORIES
F92489

Report of Analysis

Client Sample ID:	MW-GAW2		
Lab Sample ID:	F92489-5	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074432.D	1	05/02/12	MM	n/a	n/a	VJ3944
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.91	1.0	0.20	ug/l	J
75-00-3	Chloroethane	13.4	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	81.8	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	25.4	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	0.57	1.0	0.20	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	14.4	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.97	1.0	0.35	ug/l	J
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.22	1.0	0.21	ug/l	J
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.52	2.0	0.27	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.74	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	3.1	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	51.4	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	1.5	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	100%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

MMeyer 8/7/12

Sample results have been qualified by URS based on the results of the data review process, which is modeled after the USEPA CLP NFG for Superfund Organic Methods Data Review (EPA, June 2008) and USEPA CLP NFG Inorganic Superfund Data Review (USEPA, January 2010).

ACCUTEST LABORATORIES
F92489

Report of Analysis

Client Sample ID:	MW-GAW2		
Lab Sample ID:	F92489-5	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T002065.D	1	04/30/12	FS	04/30/12	OP41592	ST114
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
	3&4-Methylphenol	ND	4.8	1.1	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	1.1	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.55	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%		14-62%
4165-62-2	Phenol-d5	23%		10-40%
118-79-6	2,4,6-Tribromophenol	73%		33-118%
4165-60-0	Nitrobenzene-d5	61%		42-108%
321-60-8	2-Fluorobiphenyl	58%		40-106%
1718-51-0	Terphenyl-d14	74%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ple results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

ACCUTEST LABORATORIES
F92489

Report of Analysis

Client Sample ID:	MW-GAW12		
Lab Sample ID:	F92489-6	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074433.D	1	05/02/12	MM	n/a	n/a	VJ3944
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.91	1.0	0.20	ug/l	J
75-00-3	Chloroethane	12.5	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	78.3	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	21.0	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	0.52	1.0	0.20	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	12.9	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.1	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.51	2.0	0.27	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.75	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	2.8	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	45.8	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	1.5	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	98%		76-127%
2037-26-5	Toluene-D8	95%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

MMeyers 8/7/12

Sample results have been qualified by URS based on the results of the data review process, which is modeled after the USEPA CLP NFG for Superfund Organic Methods Data Review (EPA, June 2008) and USEPA CLP NFG Inorganic Superfund Data Review (USEPA, January 2010).

ACCUTEST LABORATORIES
F92489

Report of Analysis

Client Sample ID:	NW-AB-19		
Lab Sample ID:	F92428-4	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074305.D	5	04/27/12	MM	n/a	n/a	VJ3934
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	1.0	ug/l	
75-00-3	Chloroethane	183	10	2.5	ug/l	
67-66-3	Chloroform	ND	5.0	1.1	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.3	ug/l	
75-34-3	1,1-Dichloroethane	70.4	5.0	1.3	ug/l	
75-35-4	1,1-Dichloroethylene	8.4	5.0	1.2	ug/l	
107-06-2	1,2-Dichloroethane	12.0	5.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	65.7	5.0	1.3	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.8	ug/l	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/l	
91-20-3	Naphthalene	ND	25	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.1	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	10	1.4	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.3	ug/l	
108-88-3	Toluene	4.8	5.0	1.0	ug/l	J
79-01-6	Trichloroethylene	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	255	5.0	1.1	ug/l	
	m,p-Xylene	ND	10	1.6	ug/l	
95-47-6	o-Xylene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ple results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

ACCUTEST LABORATORIES
F92428

Report of Analysis

Client Sample ID:	NW-AB-19		
Lab Sample ID:	F92428-4	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XY054685.D	1	04/26/12	SH	n/a	n/a	GXY2344
Run #2	XY054691.D	20	04/26/12	SH	n/a	n/a	GXY2344

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	13400 [a]	10	3.2	ug/l	
74-84-0	Ethane	5.86	1.0	0.32	ug/l	
74-85-1	Ethene	29.7	1.0	0.43	ug/l	

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

3.4 3

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	NW-D-9		
Lab Sample ID:	F92489-3	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	O8654.D	1000	05/01/12	MM	n/a	n/a	VO373
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1000	200	ug/l	
75-00-3	Chloroethane [b]	ND	2000	500	ug/l	
67-66-3	Chloroform	ND	1000	220	ug/l	
56-23-5	Carbon tetrachloride	ND	1000	250	ug/l	
75-34-3	1,1-Dichloroethane	861	1000	250	ug/l	J
75-35-4	1,1-Dichloroethylene	1020	1000	230	ug/l	
107-06-2	1,2-Dichloroethane	ND	1000	200	ug/l	
156-59-2	cis-1,2-Dichloroethylene	93100	1000	260	ug/l	
156-60-5	trans-1,2-Dichloroethylene	533	1000	350	ug/l	J
100-41-4	Ethylbenzene	ND	1000	200	ug/l	
99-87-6	p-Isopropyltoluene	ND	1000	210	ug/l	
91-20-3	Naphthalene	ND	5000	1000	ug/l	
103-65-1	n-Propylbenzene	ND	1000	200	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1000	200	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1000	220	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2000	270	ug/l	
127-18-4	Tetrachloroethylene	ND	1000	250	ug/l	
108-88-3	Toluene	ND	1000	200	ug/l	
79-01-6	Trichloroethylene	1510	1000	260	ug/l	
75-01-4	Vinyl chloride	4810	1000	220	ug/l	
	m,p-Xylene	ND	2000	320	ug/l	
95-47-6	o-Xylene	ND	1000	200	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

(a) Sample was not preserved to a pH < 2.
(b) CCV outside of control limits.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after the USEPA CLP NFG for Superfund Organic Methods Data Review (EPA, June 2008) and USEPA CLP NFG Inorganic Superfund Data Review (USEPA, January 2010).

Report of Analysis

Client Sample ID:	NW-D-9		
Lab Sample ID:	F92489-3	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	FF15574.D	1	04/27/12	MM	n/a	n/a	GFF651
Run #2 [a]	FF15582.D	20	04/27/12	MM	n/a	n/a	GFF651

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	9620 [b]	10	3.2	ug/l	
74-84-0	Ethane	107	1.0	0.32	ug/l	
74-85-1	Ethene	614 J	1.0	0.43	ug/l	

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

3.3

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

ACCUTEST LABORATORIES
F92489

Report of Analysis

Client Sample ID:	NW-E-9		
Lab Sample ID:	F92489-2	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074449.D	1	05/02/12	MM	n/a	n/a	VJ3944
Run #2 [a]	J074436.D	10	05/02/12	MM	n/a	n/a	VJ3944

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	71.3 [b]	20	5.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	40.5	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.3	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	49.9	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.59	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	1.4	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	100%	76-127%
2037-26-5	Toluene-D8	95%	97%	86-112%
460-00-4	4-Bromofluorobenzene	95%	97%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

NMeyerslee 8/7/12

ple results have been qualified by URS based on the results of the data review process, which is modeled after the USEPA CLP NFG for Superfund Organic Methods Data Review (EPA, June 2008) and USEPA CLP NFG Inorganic Superfund Data Review (USEPA, January 2010).

ACCUTEST LABORATORIES
F92489

Report of Analysis

Client Sample ID:	NW-E-9		
Lab Sample ID:	F92489-2	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	FF15573.D	1	04/27/12	MM	n/a	n/a	GFF651
Run #2 [a]	FF15577.D	20	04/27/12	MM	n/a	n/a	GFF651

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	11000 [b]	10	3.2	ug/l	
74-84-0	Ethane	601 J	1.0	0.32	ug/l	
74-85-1	Ethene	238 J	1.0	0.43	ug/l	

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

ACCUTEST LABORATORIES
F92489

Report of Analysis

Client Sample ID:	NW-F-2		
Lab Sample ID:	F92428-10	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074385.D	1	04/30/12	MM	n/a	n/a	VJ3941
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	1.8	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	1.4	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	102%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after the USEPA CLP NFG for Superfund Organic Methods Data Review (EPA, June 2008) and USEPA CLP NFG Inorganic Superfund Data Review (USEPA, January 2010).

Report of Analysis

Client Sample ID:	NW-G-12		
Lab Sample ID:	F92489-1	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074440.D	5	05/02/12	MM	n/a	n/a	VJ3944
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	15.0	5.0	1.0	ug/l	
75-00-3	Chloroethane	139	10	2.5	ug/l	
67-66-3	Chloroform	ND	5.0	1.1	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.3	ug/l	
75-34-3	1,1-Dichloroethane	285	5.0	1.3	ug/l	
75-35-4	1,1-Dichloroethylene	115	5.0	1.2	ug/l	
107-06-2	1,2-Dichloroethane	22.2	5.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	374	5.0	1.3	ug/l	
156-60-5	trans-1,2-Dichloroethylene	26.7	5.0	1.8	ug/l	
100-41-4	Ethylbenzene	9.8	5.0	1.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/l	
91-20-3	Naphthalene	34.1	25	5.0	ug/l	
103-65-1	n-Propylbenzene	3.8	5.0	1.0	ug/l	J
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.1	ug/l	
95-63-6	1,2,4-Trimethylbenzene	26.6	10	1.4	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.3	ug/l	
108-88-3	Toluene	10.3	5.0	1.0	ug/l	
79-01-6	Trichloroethylene	3.1	5.0	1.3	ug/l	J
75-01-4	Vinyl chloride	151	5.0	1.1	ug/l	
	m,p-Xylene	6.0	10	1.6	ug/l	J
95-47-6	o-Xylene	7.7	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	102%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

MMeyerslee 8/7/12

ple results have been qualified by URS based on the results of the data review process, which is modeled after the USEPA CLP NFG for Superfund Organic Methods Data Review (EPA, June 2008) and USEPA CLP NFG Inorganic Superfund Data Review (USEPA, January 2010).

Report of Analysis

Client Sample ID:	NW-K-6		
Lab Sample ID:	F92428-8	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074406.D	50	05/01/12	MM	n/a	n/a	VJ3943
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	50	10	ug/l	
75-00-3	Chloroethane	838	100	25	ug/l	
67-66-3	Chloroform	ND	50	11	ug/l	
56-23-5	Carbon tetrachloride [b]	ND	50	13	ug/l	
75-34-3	1,1-Dichloroethane	1930	50	13	ug/l	
75-35-4	1,1-Dichloroethylene	1630	50	12	ug/l	
107-06-2	1,2-Dichloroethane	42.2	50	10	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	3750	50	13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	22.9	50	18	ug/l	J
100-41-4	Ethylbenzene	ND	50	10	ug/l	
99-87-6	p-Isopropyltoluene	ND	50	11	ug/l	
91-20-3	Naphthalene	ND	250	50	ug/l	
103-65-1	n-Propylbenzene	ND	50	10	ug/l	
71-55-6	1,1,1-Trichloroethane	1470	50	10	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	11	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	100	14	ug/l	
127-18-4	Tetrachloroethylene	ND	50	13	ug/l	
108-88-3	Toluene	33.7	50	10	ug/l	J
79-01-6	Trichloroethylene	210	50	13	ug/l	
75-01-4	Vinyl chloride	225	50	11	ug/l	
	m,p-Xylene	ND	100	16	ug/l	
95-47-6	o-Xylene	ND	50	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	101%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

(a) Sample was not preserved to a pH < 2.
(b) CCV outside of control limits.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after the USEPA CLP NFG for Superfund Organic Methods Data Review (EPA, June 2008) and USEPA CLP NFG Inorganic Superfund Data Review (USEPA, January 2010).

Report of Analysis

Client Sample ID:	NW-P-0		
Lab Sample ID:	F92428-5	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074377.D	1	04/30/12	MM	n/a	n/a	VJ3941
Run #2 [b]	J074327.D	10	04/28/12	MM	n/a	n/a	VJ3936

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	7.8	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	15.2	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	2.6	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	0.87	1.0	0.20	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	91.3	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	2.5	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.39	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	2.1	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	100%	76-127%
2037-26-5	Toluene-D8	96%	97%	86-112%
460-00-4	4-Bromofluorobenzene	95%	97%	84-120%

(a) Sample was not preserved to a pH < 2. Sample was treated with an anti-foaming agent.
(b) Confirmation run.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

ple results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	NW-R-14		
Lab Sample ID:	F92489-8	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	O8659.D	50	05/01/12	MM	n/a	n/a	VO373
Run #2 [a]	J074439.D	100	05/02/12	MM	n/a	n/a	VJ3944

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	50	10	ug/l	
75-00-3	Chloroethane	1260 [b]	200	50	ug/l	
67-66-3	Chloroform	ND	50	11	ug/l	
56-23-5	Carbon tetrachloride	ND	50	13	ug/l	
75-34-3	1,1-Dichloroethane	4010	50	13	ug/l	
75-35-4	1,1-Dichloroethylene	6050 [b]	100	23	ug/l	
107-06-2	1,2-Dichloroethane	179	50	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	5580 [b]	100	26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	36.8	50	18	ug/l	J
100-41-4	Ethylbenzene	ND	50	10	ug/l	
99-87-6	p-Isopropyltoluene	ND	50	11	ug/l	
91-20-3	Naphthalene	ND	250	50	ug/l	
103-65-1	n-Propylbenzene	ND	50	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	10	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	11	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	100	14	ug/l	
127-18-4	Tetrachloroethylene	ND	50	13	ug/l	
108-88-3	Toluene	232	50	10	ug/l	
79-01-6	Trichloroethylene	ND	50	13	ug/l	
75-01-4	Vinyl chloride	794	50	11	ug/l	
	m,p-Xylene	ND	100	16	ug/l	
95-47-6	o-Xylene	ND	50	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	108%	102%	76-127%
2037-26-5	Toluene-D8	102%	97%	86-112%
460-00-4	4-Bromofluorobenzene	99%	98%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

MMeyerlee 8/7/12

Sample results have been qualified by URS based on the results of the data review process, which is modeled after the USEPA CLP NFG for Superfund Organic Methods Data Review (EPA, June 2008) and USEPA CLP NFG Inorganic Superfund Data Review (USEPA, January 2010).

Report of Analysis

Client Sample ID:	W81		
Lab Sample ID:	F92428-1	**Date Sampled:**	04/24/12
Matrix:	AQ - Surface Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074302.D	1	04/27/12	MM	n/a	n/a	VJ3934
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	20.4	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	9.4	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.72	1.0	0.23	ug/l	J
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	47.3	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.43	1.0	0.35	ug/l	J
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	1.6	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.25	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	2.5	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	8.2	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	96%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	95%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

ple results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

ACCUTEST LABORATORIES
F92428

Report of Analysis

Client Sample ID:	W82		
Lab Sample ID:	F92428-2	**Date Sampled:**	04/24/12
Matrix:	AQ - Surface Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074303.D	1	04/27/12	MM	n/a	n/a	VJ3934
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	36.3	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	24.7	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	1.3	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	65.5	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.92	1.0	0.35	ug/l	J
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	1.9	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.34	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	16.7	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		87-116%
17060-07-0	1,2-Dichloroethane-D4	96%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	98%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

ple results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

LABORATORY REPORTS – APRIL 2012

Southeast ACCUTEST LABORATORIES

05/03/12

Technical Report for

URS Corporation

Hamilton Beach: 234 Springs Rd, Washington, NC

31828403.00001

Accutest Job Number: F92428

Sampling Date: 04/24/12

Report to:

URS Corporation

martha.meyers-lee@urs.com

ATTN: Martha Meyers

Total number of pages in report: **90**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), AK, AR, GA, KY, MA, NV, OK, UT, VA, WA, WI

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Test results relate only to samples analyzed.

Accutest Laboratories is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited.

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F92428-1: W81 7
3.2: F92428-2: W82 8
3.3: F92428-3: MW-211 9
3.4: F92428-4: NW-AB-19 10
3.5: F92428-5: NW-P-0 12
3.6: F92428-6: MW-229 13
3.7: F92428-7: M-2 16
3.8: F92428-8: NW-K-6 17
3.9: F92428-9: MW-209 18
3.10: F92428-10: NW-F-2 20
3.11: F92428-11: MW-213 21
3.12: F92428-12: MW-219 23
Section 4: Misc. Forms **24**
4.1: Chain of Custody 25
Section 5: GC/MS Volatiles - QC Data Summaries **27**
5.1: Method Blank Summary 28
5.2: Blank Spike Summary 31
5.3: Matrix Spike/Matrix Spike Duplicate Summary 34
5.4: Instrument Performance Checks (BFB) 37
5.5: Internal Standard Area Summaries 46
5.6: Surrogate Recovery Summaries 54
5.7: Initial and Continuing Calibration Summaries 55
Section 6: GC Volatiles - QC Data Summaries **80**
6.1: Method Blank Summary 81
6.2: Blank Spike Summary 82
6.3: Matrix Spike Summary 83
6.4: Duplicate Summary 84
6.5: Initial and Continuing Calibration Summaries 85

Accutest LabLink@14:29 03-May-2012

Sample Summary

URS Corporation

Job No: F92428

Hamilton Beach: 234 Springs Rd, Washington, NC
Project No: 31828403.00001

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F92428-1	04/24/12	10:50	MMSW	04/25/12	AQ	Surface Water	W81
F92428-2	04/24/12	11:00	MMSW	04/25/12	AQ	Surface Water	W82
F92428-3	04/24/12	11:15	MMSW	04/25/12	AQ	Ground Water	MW-211
F92428-4	04/24/12	12:45	MMSW	04/25/12	AQ	Ground Water	NW-AB-19
F92428-5	04/24/12	13:10	MMSW	04/25/12	AQ	Ground Water	NW-P-0
F92428-6	04/24/12	13:45	MMSW	04/25/12	AQ	Ground Water	MW-229
F92428-7	04/24/12	14:00	MMSW	04/25/12	AQ	Ground Water	M-2
F92428-8	04/24/12	14:30	MMSW	04/25/12	AQ	Ground Water	NW-K-6
F92428-9	04/24/12	14:45	MMSW	04/25/12	AQ	Ground Water	MW-209
F92428-10	04/24/12	15:10	MMSW	04/25/12	AQ	Ground Water	NW-F-2
F92428-11	04/24/12	15:30	MMSW	04/25/12	AQ	Ground Water	MW-213
F92428-12	04/24/12	16:00	MMSW	04/25/12	AQ	Ground Water	MW-219

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: URS Corporation **Job** F92428

Site: Hamilton Beach: 234 Springs Rd, Washington, NC **Report Date** 5/3/2012 12:36:05 PM

12 Sample(s) were collected on 04/24/2012 and were received at Accutest SE on 04/25/2012 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of F92428. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ3934

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F92306-4MS, F92306-4MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for 1,1,2-Trichloroethane are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

Matrix Spike Recovery(s) for m,p-Xylene are outside control limits. Outside control limits due to high level in sample relative to spike amount. For method performance in a clean matrix, refer to Blank Spike.

F92428-1: Sample was not preserved to a pH < 2.

F92428-2: Sample was not preserved to a pH < 2.

F92428-3: Sample was not preserved to a pH < 2.

F92428-4: Sample was not preserved to a pH < 2.

Matrix: AQ **Batch ID:** VJ3936

F92428-5: Confirmation run.

Matrix: AQ **Batch ID:** VJ3941

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F92319-1MS, F92319-1MSD were used as the QC samples indicated.

F92428-5: Sample was not preserved to a pH < 2. Sample was treated with an anti-foaming agent.

F92428-6: Sample was not preserved to a pH < 2.

F92428-7: Sample was not preserved to a pH < 2. Sample was treated with an anti-foaming agent.

F92428-9: Sample was not preserved to a pH < 2.

F92428-10: Sample was not preserved to a pH < 2.

F92428-11: Sample was not preserved to a pH < 2.

F92428-12: Sample was not preserved to a pH < 2.

Matrix: AQ **Batch ID:** VJ3943

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F92503-4MS, F92503-4MSD were used as the QC samples indicated.

Matrix Spike Duplicate Recovery(s) for cis-1,2-Dichloroethylene, Ethylbenzene, m,p-Xylene, o-Xylene, Toluene are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

F92428-6: Sample was not preserved to a pH < 2.

F92428-9: Sample was not preserved to a pH < 2.

F92428-8: Sample was not preserved to a pH < 2.

F92428-8 for Carbon tetrachloride: CCV outside of control limits.

F92428-9 for Carbon tetrachloride: CCV outside of control limits.

F92428-11: Sample was not preserved to a pH < 2.

F92428-11 for Carbon tetrachloride: CCV outside of control limits.

Volatiles by GC By Method RSKSOP-147/175

Matrix: AQ **Batch ID:** GXY2344

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F92420-1DUP, F92422-1MS were used as the QC samples indicated.

RPD(s) for Duplicate for Methane are outside control limits for sample F92420-1DUP. RPD acceptable due to low sample and DUP concentrations.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

_____ Date: May 3, 2012

Kim Benham, Client Services (signature on file)

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	W81		
Lab Sample ID:	F92428-1	**Date Sampled:**	04/24/12
Matrix:	AQ - Surface Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074302.D	1	04/27/12	MM	n/a	n/a	VJ3934
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	20.4	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	9.4	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.72	1.0	0.23	ug/l	J
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	47.3	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.43	1.0	0.35	ug/l	J
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	1.6	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.25	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	2.5	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	8.2	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	96%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	95%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	W82		
Lab Sample ID:	F92428-2	**Date Sampled:**	04/24/12
Matrix:	AQ - Surface Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074303.D	1	04/27/12	MM	n/a	n/a	VJ3934
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	36.3	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	24.7	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	1.3	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	65.5	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.92	1.0	0.35	ug/l	J
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	1.9	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.34	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	16.7	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		87-116%
17060-07-0	1,2-Dichloroethane-D4	96%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	98%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-211		
Lab Sample ID:	F92428-3	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074304.D	1	04/27/12	MM	n/a	n/a	VJ3934
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	1.6	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	13.8	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.53	1.0	0.35	ug/l	J
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	1.3	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	4.0	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	96%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	98%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NW-AB-19		
Lab Sample ID:	F92428-4	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074305.D	5	04/27/12	MM	n/a	n/a	VJ3934
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	1.0	ug/l	
75-00-3	Chloroethane	183	10	2.5	ug/l	
67-66-3	Chloroform	ND	5.0	1.1	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.3	ug/l	
75-34-3	1,1-Dichloroethane	70.4	5.0	1.3	ug/l	
75-35-4	1,1-Dichloroethylene	8.4	5.0	1.2	ug/l	
107-06-2	1,2-Dichloroethane	12.0	5.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	65.7	5.0	1.3	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.8	ug/l	
100-41-4	Ethylbenzene	ND	5.0	1.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/l	
91-20-3	Naphthalene	ND	25	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.1	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	10	1.4	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.3	ug/l	
108-88-3	Toluene	4.8	5.0	1.0	ug/l	J
79-01-6	Trichloroethylene	ND	5.0	1.3	ug/l	
75-01-4	Vinyl chloride	255	5.0	1.1	ug/l	
	m,p-Xylene	ND	10	1.6	ug/l	
95-47-6	o-Xylene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NW-AB-19		
Lab Sample ID:	F92428-4	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XY054685.D	1	04/26/12	SH	n/a	n/a	GXY2344
Run #2	XY054691.D	20	04/26/12	SH	n/a	n/a	GXY2344

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	13400 [a]	10	3.2	ug/l	
74-84-0	Ethane	5.86	1.0	0.32	ug/l	
74-85-1	Ethene	29.7	1.0	0.43	ug/l	

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NW-P-0		
Lab Sample ID:	F92428-5	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074377.D	1	04/30/12	MM	n/a	n/a	VJ3941
Run #2 [b]	J074327.D	10	04/28/12	MM	n/a	n/a	VJ3936

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	7.8	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	15.2	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	2.6	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	0.87	1.0	0.20	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	91.3	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	2.5	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.39	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	2.1	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	100%	76-127%
2037-26-5	Toluene-D8	96%	97%	86-112%
460-00-4	4-Bromofluorobenzene	95%	97%	84-120%

(a) Sample was not preserved to a pH < 2. Sample was treated with an anti-foaming agent.
(b) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-229		
Lab Sample ID:	F92428-6	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074378.D	1	04/30/12	MM	n/a	n/a	VJ3941
Run #2 [a]	J074405.D	5	05/01/12	MM	n/a	n/a	VJ3943
Run #3 [a]	J074421.D	10	05/01/12	MM	n/a	n/a	VJ3943

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml
Run #3	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	3.7	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	208 [b]	5.0	1.3	ug/l	
75-35-4	1,1-Dichloroethylene	87.4 [c]	10	2.3	ug/l	
107-06-2	1,2-Dichloroethane	2.7	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	723 [c]	10	2.6	ug/l	
156-60-5	trans-1,2-Dichloroethylene	5.5 [b]	5.0	1.8	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	54.0 [c]	10	2.2	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	104%	102%	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	103%	98%	101%	76-127%
2037-26-5	Toluene-D8	95%	96%	96%	86-112%
460-00-4	4-Bromofluorobenzene	97%	96%	99%	84-120%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-229		
Lab Sample ID:	F92428-6	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2
(c) Result is from Run# 3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-229		
Lab Sample ID:	F92428-6	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XY054686.D	1	04/26/12	SH	n/a	n/a	GXY2344
Run #2	XY054692.D	10	04/26/12	SH	n/a	n/a	GXY2344

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	1400 [a]	5.0	1.6	ug/l	
74-84-0	Ethane	10.8	1.0	0.32	ug/l	
74-85-1	Ethene	67.7	1.0	0.43	ug/l	

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M-2		
Lab Sample ID:	F92428-7	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074382.D	1	04/30/12	MM	n/a	n/a	VJ3941
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	41.5	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	16.3	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.40	1.0	0.23	ug/l	J
107-06-2	1,2-Dichloroethane	2.4	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.97	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	101%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

(a) Sample was not preserved to a pH < 2. Sample was treated with an anti-foaming agent.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NW-K-6		
Lab Sample ID:	F92428-8	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074406.D	50	05/01/12	MM	n/a	n/a	VJ3943
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	50	10	ug/l	
75-00-3	Chloroethane	838	100	25	ug/l	
67-66-3	Chloroform	ND	50	11	ug/l	
56-23-5	Carbon tetrachloride [b]	ND	50	13	ug/l	
75-34-3	1,1-Dichloroethane	1930	50	13	ug/l	
75-35-4	1,1-Dichloroethylene	1630	50	12	ug/l	
107-06-2	1,2-Dichloroethane	42.2	50	10	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	3750	50	13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	22.9	50	18	ug/l	J
100-41-4	Ethylbenzene	ND	50	10	ug/l	
99-87-6	p-Isopropyltoluene	ND	50	11	ug/l	
91-20-3	Naphthalene	ND	250	50	ug/l	
103-65-1	n-Propylbenzene	ND	50	10	ug/l	
71-55-6	1,1,1-Trichloroethane	1470	50	10	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	11	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	100	14	ug/l	
127-18-4	Tetrachloroethylene	ND	50	13	ug/l	
108-88-3	Toluene	33.7	50	10	ug/l	J
79-01-6	Trichloroethylene	210	50	13	ug/l	
75-01-4	Vinyl chloride	225	50	11	ug/l	
	m,p-Xylene	ND	100	16	ug/l	
95-47-6	o-Xylene	ND	50	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	101%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

(a) Sample was not preserved to a pH < 2.
(b) CCV outside of control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-209		
Lab Sample ID:	F92428-9	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074407.D	2	05/01/12	MM	n/a	n/a	VJ3943
Run #2 [a]	J074384.D	250	04/30/12	MM	n/a	n/a	VJ3941

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.40	ug/l	
75-00-3	Chloroethane	1340 [b]	500	130	ug/l	
67-66-3	Chloroform	ND	2.0	0.44	ug/l	
56-23-5	Carbon tetrachloride [c]	ND	2.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	106	2.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	10.6	2.0	0.46	ug/l	
107-06-2	1,2-Dichloroethane	38.0	2.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethylene	30.7	2.0	0.52	ug/l	
156-60-5	trans-1,2-Dichloroethylene	5.0	2.0	0.70	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.40	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.42	ug/l	
91-20-3	Naphthalene	ND	10	2.0	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.40	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.44	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	4.0	0.54	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	10.8	2.0	0.40	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.52	ug/l	
75-01-4	Vinyl chloride	20.2	2.0	0.44	ug/l	
	m,p-Xylene	ND	4.0	0.64	ug/l	
95-47-6	o-Xylene	ND	2.0	0.40	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	100%	76-127%
2037-26-5	Toluene-D8	96%	97%	86-112%
460-00-4	4-Bromofluorobenzene	98%	96%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-209		
Lab Sample ID:	F92428-9	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q

(c) CCV outside of control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NW-F-2		
Lab Sample ID:	F92428-10	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074385.D	1	04/30/12	MM	n/a	n/a	VJ3941
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	1.8	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	1.4	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	102%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-213		
Lab Sample ID:	F92428-11	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074403.D	1	05/01/12	MM	n/a	n/a	VJ3943
Run #2 [a]	J074386.D	5	04/30/12	MM	n/a	n/a	VJ3941

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.68	1.0	0.20	ug/l	J
75-00-3	Chloroethane	0.56	2.0	0.50	ug/l	J
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride [b]	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	84.7	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	124 [c]	5.0	1.2	ug/l	
107-06-2	1,2-Dichloroethane	2.7	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	63.2	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	2.3	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	1.1	5.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.25	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	23.0	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	73.1	1.0	0.22	ug/l	
	m,p-Xylene	0.91	2.0	0.32	ug/l	J
95-47-6	o-Xylene	1.1	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	103%	76-127%
2037-26-5	Toluene-D8	96%	98%	86-112%
460-00-4	4-Bromofluorobenzene	97%	97%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) CCV outside of control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-213		
Lab Sample ID:	F92428-11	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q

(c) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-219		
Lab Sample ID:	F92428-12	**Date Sampled:**	04/24/12
Matrix:	AQ - Ground Water	**Date Received:**	04/25/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074387.D	1	04/30/12	MM	n/a	n/a	VJ3941
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	1.3	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	103%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Certification Exceptions (NC)
- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # F92428

PAGE 1 OF 1

Accutest Quote #

SKIFF#

Client / Reporting Information

Company Name: URS CORPORATION
Address: 1600 PERIMETER PARK DR.
City: MORRISVILLE State: NC Zip: 27560
Project Contact: MARTHA MYERS LEE E-mail: MARTHA_MYERS-LEE@URS.COM
Phone#: (919)461-1100
Sampler(s) Name(s) (Printed): MIKE MEESE / STEPHANIE WHITE

Project Information

Project Name: HB WASHINGTON
Street
City: WASHINGTON State: NC
Project #: 31828403.00001
Fax #: (919)461-1415
Client Purchase Order #

Analytical Information

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Collection DATE	Collection TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MEOH	VOCS - 8260	VOCS 8260 / MTBE 8260	LAB USE ONLY
1	W81	4/24/12	1050	MM/SW	GW	3		X								X		
2	W82		1100		GW	3										X		
3	MW-211		1115		GW	3												
4	NW-AB-19		1245			6											X	
5	NW-P-0		1310			3												
6	MW-229		1345			6											X	
7	M-2		1400			3												
8	NW-K-6		1430			3												
9	MW-209		1445			3												
10	NW-E-2		1510			3												
11	MW-213		1530			3												
12	MW-219	4/24/12	1600	MM/SW	GW	3		X								X		

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 [signature]	4-24-12/1800	2 FX	3 FX 04-25-12	0900	4 [signature] MSE
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2.8

F92428: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F92428 CLIENT: URS PROJECT: HB Washington

DATE/TIME RECEIVED: 04-25-12 0900 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8996 2608 8767

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.2
- [ ] OBSERVED TEMPS: 3.0
- [ ] CORRECTED TEMPS: 2.8

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS: Vials are UNPreserved

TECHNICIAN SIGNATURE/DATE R. Willis 04-25-12 REVIEWER SIGNATURE/DATE [signature] 04/25/12

NF 12/10 receipt confirmation 122910.xls

4.1

4

F92428: Chain of Custody

Page 2 of 2

Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ3934-MB	J074282.D	1	04/27/12	MM	n/a	n/a	VJ3934

The QC reported here applies to the following samples: **Method:** SW846 8260B

F92428-1, F92428-2, F92428-3, F92428-4

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	95%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Method Blank Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ3941-MB	J074370.D	1	04/30/12	MM	n/a	n/a	VJ3941

The QC reported here applies to the following samples: **Method:** SW846 8260B

F92428-5, F92428-6, F92428-7, F92428-9, F92428-10, F92428-11, F92428-12

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	97%	76-127%
2037-26-5	Toluene-D8	96%	86-112%
460-00-4	4-Bromofluorobenzene	96%	84-120%

Method Blank Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ3943-MB	J074401.D	1	05/01/12	MM	n/a	n/a	VJ3943

The QC reported here applies to the following samples: **Method:** SW846 8260B

F92428-6, F92428-8, F92428-9, F92428-11

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Blank Spike Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ3934-BS	J074281.D	1	04/27/12	MM	n/a	n/a	VJ3934

The QC reported here applies to the following samples: **Method:** SW846 8260B

F92428-1, F92428-2, F92428-3, F92428-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	25.6	102	83-124
75-00-3	Chloroethane	25	22.8	91	54-166
67-66-3	Chloroform	25	24.8	99	85-123
56-23-5	Carbon tetrachloride	25	26.0	104	74-139
75-34-3	1,1-Dichloroethane	25	25.6	102	82-127
75-35-4	1,1-Dichloroethylene	25	24.6	98	75-133
107-06-2	1,2-Dichloroethane	25	23.9	96	76-122
156-59-2	cis-1,2-Dichloroethylene	25	25.5	102	81-114
156-60-5	trans-1,2-Dichloroethylene	25	24.3	97	82-126
100-41-4	Ethylbenzene	25	23.8	95	87-118
99-87-6	p-Isopropyltoluene	25	25.5	102	83-125
91-20-3	Naphthalene	25	22.1	88	59-125
103-65-1	n-Propylbenzene	25	27.5	110	86-125
71-55-6	1,1,1-Trichloroethane	25	25.6	102	79-133
79-00-5	1,1,2-Trichloroethane	25	25.0	100	80-114
95-63-6	1,2,4-Trimethylbenzene	25	26.6	106	82-120
127-18-4	Tetrachloroethylene	25	26.8	107	80-131
108-88-3	Toluene	25	23.4	94	86-116
79-01-6	Trichloroethylene	25	24.0	96	85-124
75-01-4	Vinyl chloride	25	25.4	102	57-153
	m,p-Xylene	50	47.3	95	86-121
95-47-6	o-Xylene	25	23.7	95	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	87-116%
17060-07-0	1,2-Dichloroethane-D4	92%	76-127%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Blank Spike Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ3941-BS	J074366.D	1	04/30/12	MM	n/a	n/a	VJ3941

The QC reported here applies to the following samples: **Method:** SW846 8260B

F92428-5, F92428-6, F92428-7, F92428-9, F92428-10, F92428-11, F92428-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	25.0	100	83-124
75-00-3	Chloroethane	25	23.8	95	54-166
67-66-3	Chloroform	25	24.7	99	85-123
56-23-5	Carbon tetrachloride	25	26.2	105	74-139
75-34-3	1,1-Dichloroethane	25	25.0	100	82-127
75-35-4	1,1-Dichloroethylene	25	23.0	92	75-133
107-06-2	1,2-Dichloroethane	25	23.4	94	76-122
156-59-2	cis-1,2-Dichloroethylene	25	24.3	97	81-114
156-60-5	trans-1,2-Dichloroethylene	25	23.5	94	82-126
100-41-4	Ethylbenzene	25	22.7	91	87-118
99-87-6	p-Isopropyltoluene	25	24.2	97	83-125
91-20-3	Naphthalene	25	21.4	86	59-125
103-65-1	n-Propylbenzene	25	26.4	106	86-125
71-55-6	1,1,1-Trichloroethane	25	25.2	101	79-133
79-00-5	1,1,2-Trichloroethane	25	23.9	96	80-114
95-63-6	1,2,4-Trimethylbenzene	25	25.9	104	82-120
127-18-4	Tetrachloroethylene	25	26.4	106	80-131
108-88-3	Toluene	25	22.5	90	86-116
79-01-6	Trichloroethylene	25	22.8	91	85-124
75-01-4	Vinyl chloride	25	25.9	104	57-153
	m,p-Xylene	50	45.9	92	86-121
95-47-6	o-Xylene	25	22.9	92	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	94%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	101%	84-120%

Blank Spike Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ3943-BS	J074400.D	1	05/01/12	MM	n/a	n/a	VJ3943

The QC reported here applies to the following samples: **Method:** SW846 8260B

F92428-6, F92428-8, F92428-9, F92428-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	24.6	98	83-124
75-00-3	Chloroethane	25	21.6	86	54-166
67-66-3	Chloroform	25	24.7	99	85-123
56-23-5	Carbon tetrachloride	25	26.4	106	74-139
75-34-3	1,1-Dichloroethane	25	24.5	98	82-127
75-35-4	1,1-Dichloroethylene	25	21.7	87	75-133
107-06-2	1,2-Dichloroethane	25	24.0	96	76-122
156-59-2	cis-1,2-Dichloroethylene	25	24.4	98	81-114
156-60-5	trans-1,2-Dichloroethylene	25	23.0	92	82-126
100-41-4	Ethylbenzene	25	23.3	93	87-118
99-87-6	p-Isopropyltoluene	25	24.9	100	83-125
91-20-3	Naphthalene	25	22.7	91	59-125
103-65-1	n-Propylbenzene	25	26.7	107	86-125
71-55-6	1,1,1-Trichloroethane	25	25.7	103	79-133
79-00-5	1,1,2-Trichloroethane	25	25.4	102	80-114
95-63-6	1,2,4-Trimethylbenzene	25	26.2	105	82-120
127-18-4	Tetrachloroethylene	25	26.3	105	80-131
108-88-3	Toluene	25	22.6	90	86-116
79-01-6	Trichloroethylene	25	22.8	91	85-124
75-01-4	Vinyl chloride	25	24.8	99	57-153
	m,p-Xylene	50	46.2	92	86-121
95-47-6	o-Xylene	25	22.8	91	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	98%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F92306-4MS	J074290.D	20	04/27/12	MM	n/a	n/a	VJ3934
F92306-4MSD	J074291.D	20	04/27/12	MM	n/a	n/a	VJ3934
F92306-4	J074285.D	20	04/27/12	MM	n/a	n/a	VJ3934

The QC reported here applies to the following samples: **Method:** SW846 8260B

F92428-1, F92428-2, F92428-3, F92428-4

CAS No.	Compound	F92306-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	415		500	961	109	935	104	3	83-124/11
75-00-3	Chloroethane	ND		500	463	93	459	92	1	54-166/20
67-66-3	Chloroform	ND		500	554	111	527	105	5	85-123/10
56-23-5	Carbon tetrachloride	ND		500	553	111	507	101	9	74-139/13
75-34-3	1,1-Dichloroethane	ND		500	540	108	524	105	3	82-127/10
75-35-4	1,1-Dichloroethylene	ND		500	508	102	509	102	0	75-133/13
107-06-2	1,2-Dichloroethane	ND		500	502	100	491	98	2	76-122/11
156-59-2	cis-1,2-Dichloroethylene	ND		500	521	104	512	102	2	81-114/10
156-60-5	trans-1,2-Dichloroethylene	ND		500	506	101	496	99	2	82-126/10
100-41-4	Ethylbenzene	830		500	1420	118	1370	108	4	87-118/10
99-87-6	p-Isopropyltoluene	6.0	J	500	527	104	510	101	3	83-125/9
91-20-3	Naphthalene	432		500	915	97	997	113	9	59-125/15
103-65-1	n-Propylbenzene	121		500	686	113	656	107	4	86-125/10
71-55-6	1,1,1-Trichloroethane	ND		500	546	109	541	108	1	79-133/11
79-00-5	1,1,2-Trichloroethane	ND		500	578	116*	570	114	1	80-114/11
95-63-6	1,2,4-Trimethylbenzene	954		500	1510	111	1450	99	4	82-120/10
127-18-4	Tetrachloroethylene	ND		500	550	110	542	108	1	80-131/12
108-88-3	Toluene	176		500	675	100	663	97	2	86-116/10
79-01-6	Trichloroethylene	ND		500	488	98	505	101	3	85-124/10
75-01-4	Vinyl chloride	ND		500	484	97	468	94	3	57-153/22
	m,p-Xylene	2680		1000	4020	134* [a]	3860	118	4	86-121/10
95-47-6	o-Xylene	801		500	1370	114	1330	106	3	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F92306-4	Limits
1868-53-7	Dibromofluoromethane	99%	99%	97%	87-116%
17060-07-0	1,2-Dichloroethane-D4	94%	95%	93%	76-127%
2037-26-5	Toluene-D8	101%	100%	98%	86-112%
460-00-4	4-Bromofluorobenzene	100%	98%	97%	84-120%

(a) Outside control limits due to high level in sample relative to spike amount.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F92319-1MS	J074380.D	1	04/30/12	MM	n/a	n/a	VJ3941
F92319-1MSD	J074381.D	1	04/30/12	MM	n/a	n/a	VJ3941
F92319-1	J074375.D	1	04/30/12	MM	n/a	n/a	VJ3941

The QC reported here applies to the following samples: **Method:** SW846 8260B

F92428-5, F92428-6, F92428-7, F92428-9, F92428-10, F92428-11, F92428-12

CAS No.	Compound	F92319-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	26.2	105	26.2	105	0	83-124/11
75-00-3	Chloroethane	ND		25	22.9	92	22.2	89	3	54-166/20
67-66-3	Chloroform	ND		25	26.5	106	26.4	106	0	85-123/10
56-23-5	Carbon tetrachloride	ND		25	27.6	110	25.5	102	8	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	26.0	104	26.5	106	2	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	23.2	93	24.2	97	4	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	25.4	102	26.0	104	2	76-122/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	25.8	103	25.7	103	0	81-114/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	24.2	97	24.9	100	3	82-126/10
100-41-4	Ethylbenzene	ND		25	24.2	97	24.7	99	2	87-118/10
99-87-6	p-Isopropyltoluene	ND		25	25.7	103	25.4	102	1	83-125/9
91-20-3	Naphthalene	ND		25	22.2	89	24.4	98	9	59-125/15
103-65-1	n-Propylbenzene	ND		25	27.7	111	27.6	110	0	86-125/10
71-55-6	1,1,1-Trichloroethane	ND		25	26.8	107	27.7	111	3	79-133/11
79-00-5	1,1,2-Trichloroethane	ND		25	26.3	105	27.2	109	3	80-114/11
95-63-6	1,2,4-Trimethylbenzene	ND		25	26.8	107	27.0	108	1	82-120/10
127-18-4	Tetrachloroethylene	ND		25	27.8	111	27.8	111	0	80-131/12
108-88-3	Toluene	ND		25	23.9	96	23.7	95	1	86-116/10
79-01-6	Trichloroethylene	ND		25	25.1	100	25.9	104	3	85-124/10
75-01-4	Vinyl chloride	ND		25	24.7	99	25.1	100	2	57-153/22
	m,p-Xylene	ND		50	48.8	98	49.6	99	2	86-121/10
95-47-6	o-Xylene	ND		25	24.2	97	24.2	97	0	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F92319-1	Limits
1868-53-7	Dibromofluoromethane	102%	101%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	97%	100%	76-127%
2037-26-5	Toluene-D8	99%	97%	96%	86-112%
460-00-4	4-Bromofluorobenzene	98%	97%	98%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F92503-4MS	J074418.D	1	05/01/12	MM	n/a	n/a	VJ3943
F92503-4MSD	J074419.D	1	05/01/12	MM	n/a	n/a	VJ3943
F92503-4	J074411.D	1	05/01/12	MM	n/a	n/a	VJ3943

The QC reported here applies to the following samples: **Method:** SW846 8260B

F92428-6, F92428-8, F92428-9, F92428-11

CAS No.	Compound	F92503-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	1.0 U		25	23.8	95	22.9	92	4	83-124/11
75-00-3	Chloroethane	2.0 U		25	21.9	88	21.5	86	2	54-166/20
67-66-3	Chloroform	1.0 U		25	24.2	97	23.3	93	4	85-123/10
56-23-5	Carbon tetrachloride	1.0 U		25	24.6	98	22.4	90	9	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	23.7	95	23.2	93	2	82-127/10
75-35-4	1,1-Dichloroethylene	0.50	I	25	20.9	82	20.4	80	2	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	23.4	94	23.0	92	2	76-122/11
156-59-2	cis-1,2-Dichloroethylene	34.3		25	54.7	82	52.8	74*	4	81-114/10
156-60-5	trans-1,2-Dichloroethylene	4.4		25	26.1	87	25.1	83	4	82-126/10
100-41-4	Ethylbenzene	1.0 U		25	22.4	90	21.4	86*	5	87-118/10
99-87-6	p-Isopropyltoluene	1.0 U		25	22.4	90	21.1	84	6	83-125/9
91-20-3	Naphthalene	5.0 U		25	21.3	85	22.2	89	4	59-125/15
103-65-1	n-Propylbenzene	1.0 U		25	24.8	99	23.3	93	6	86-125/10
71-55-6	1,1,1-Trichloroethane	1.0 U		25	24.7	99	24.0	96	3	79-133/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	24.7	99	23.7	95	4	80-114/11
95-63-6	1,2,4-Trimethylbenzene	2.0 U		25	23.4	94	22.3	89	5	82-120/10
127-18-4	Tetrachloroethylene	1.0 U		25	24.8	99	23.1	92	7	80-131/12
108-88-3	Toluene	1.0 U		25	21.6	86	20.6	82*	5	86-116/10
79-01-6	Trichloroethylene	0.73	I	25	24.0	93	23.3	90	3	85-124/10
75-01-4	Vinyl chloride	10.8		25	33.3	90	31.9	84	4	57-153/22
	m,p-Xylene	2.0 U		50	43.5	87	41.1	82*	6	86-121/10
95-47-6	o-Xylene	1.0 U		25	21.8	87	20.2	81*	8	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F92503-4	Limits
1868-53-7	Dibromofluoromethane	100%	103%	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	99%	105%	76-127%
2037-26-5	Toluene-D8	97%	98%	94%	86-112%
460-00-4	4-Bromofluorobenzene	96%	97%	98%	84-120%

Instrument Performance Check (BFB)

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VJ3923-BFB
Lab File ID: J074048.D
Instrument ID: GCMSJ
Injection Date: 04/19/12
Injection Time: 13:58

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	36915	26.7		Pass
75	30.0 - 60.0% of mass 95	69272	50.1		Pass
95	Base peak, 100% relative abundance	138216	100.0		Pass
96	5.0 - 9.0% of mass 95	10059	7.28		Pass
173	Less than 2.0% of mass 174	603	0.44	(0.53) [a]	Pass
174	50.0 - 100.0% of mass 95	112731	81.6		Pass
175	5.0 - 9.0% of mass 174	8230	5.95	(7.30) [a]	Pass
176	95.0 - 101.0% of mass 174	109941	79.5	(97.5) [a]	Pass
177	5.0 - 9.0% of mass 176	7381	5.34	(6.71) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VJ3923-IC3923	J074049.D	04/19/12	14:26	00:28	Initial cal 1
VJ3923-IC3923	J074050.D	04/19/12	14:49	00:51	Initial cal 2
VJ3923-IC3923	J074051.D	04/19/12	15:12	01:14	Initial cal 3
VJ3923-ICC3923	J074052.D	04/19/12	15:50	01:52	Initial cal 4
VJ3923-IC3923	J074053.D	04/19/12	16:13	02:15	Initial cal 5
VJ3923-IC3923	J074054.D	04/19/12	16:36	02:38	Initial cal 6
VJ3923-ICV3923	J074055.D	04/19/12	16:59	03:01	Initial cal verification 4
VJ3923-BS	J074056.D	04/19/12	17:30	03:32	Blank Spike
VJ3925-BS	J074056.D	04/19/12	17:30	03:32	Blank Spike
VJ3923-MB	J074057.D	04/19/12	17:53	03:55	Method Blank
VJ3925-MB	J074057.D	04/19/12	17:53	03:55	Method Blank
VJ3924-BS	J074058.D	04/19/12	18:16	04:18	Blank Spike
OP41429-LB	J074059.D	04/19/12	18:40	04:42	Leachate Blank
ZZZZZZ	J074060.D	04/19/12	19:03	05:05	(unrelated sample)
F92139-1	J074061.D	04/19/12	19:26	05:28	(used for QC only; not part of job F92428)
F92139-1DUP	J074062.D	04/19/12	19:49	05:51	Duplicate
F92136-1	J074063.D	04/19/12	20:13	06:15	(used for QC only; not part of job F92428)
F92124-15	J074065.D	04/19/12	20:59	07:01	(used for QC only; not part of job F92428)
ZZZZZZ	J074066.D	04/19/12	21:22	07:24	(unrelated sample)
ZZZZZZ	J074067.D	04/19/12	21:45	07:47	(unrelated sample)
ZZZZZZ	J074068.D	04/19/12	22:08	08:10	(unrelated sample)
ZZZZZZ	J074069.D	04/19/12	22:31	08:33	(unrelated sample)
ZZZZZZ	J074070.D	04/19/12	22:54	08:56	(unrelated sample)
ZZZZZZ	J074071.D	04/19/12	23:17	09:19	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VJ3923-BFB
Lab File ID: J074048.D
Instrument ID: GCMSJ
Injection Date: 04/19/12
Injection Time: 13:58

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	J074072.D	04/19/12	23:40	09:42	(unrelated sample)
F92136-1MS	J074073.D	04/20/12	00:04	10:06	Matrix Spike
F92136-1MSD	J074074.D	04/20/12	00:27	10:29	Matrix Spike Duplicate
F92124-15MS	J074075.D	04/20/12	00:50	10:52	Matrix Spike
F92124-15MSD	J074076.D	04/20/12	01:13	11:15	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VJ3934-BFB
Lab File ID: J074279.D
Instrument ID: GCMSJ
Injection Date: 04/27/12
Injection Time: 10:46

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	34864	25.6		Pass
75	30.0 - 60.0% of mass 95	66043	48.5		Pass
95	Base peak, 100% relative abundance	136245	100.0		Pass
96	5.0 - 9.0% of mass 95	9654	7.09		Pass
173	Less than 2.0% of mass 174	228	0.17	(0.21) [a]	Pass
174	50.0 - 100.0% of mass 95	107544	78.9		Pass
175	5.0 - 9.0% of mass 174	8189	6.01	(7.61) [a]	Pass
176	95.0 - 101.0% of mass 174	108216	79.4	(100.6) [a]	Pass
177	5.0 - 9.0% of mass 176	7016	5.15	(6.48) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VJ3934-CC3923	J074280.D	04/27/12	11:09	00:23	Continuing cal 4
VJ3934-BS	J074281.D	04/27/12	11:37	00:51	Blank Spike
VJ3935-BS	J074281.D	04/27/12	11:37	00:51	Blank Spike
VJ3934-MB	J074282.D	04/27/12	12:00	01:14	Method Blank
VJ3935-MB	J074282.D	04/27/12	12:00	01:14	Method Blank
ZZZZZZ	J074283.D	04/27/12	12:33	01:47	(unrelated sample)
F92306-4	J074285.D	04/27/12	13:19	02:33	(used for QC only; not part of job F92428)
ZZZZZZ	J074286.D	04/27/12	13:42	02:56	(unrelated sample)
ZZZZZZ	J074287.D	04/27/12	14:06	03:20	(unrelated sample)
F92306-4MS	J074290.D	04/27/12	15:16	04:30	Matrix Spike
F92306-4MSD	J074291.D	04/27/12	15:39	04:53	Matrix Spike Duplicate
ZZZZZZ	J074292.D	04/27/12	16:02	05:16	(unrelated sample)
ZZZZZZ	J074293.D	04/27/12	16:26	05:40	(unrelated sample)
ZZZZZZ	J074294.D	04/27/12	16:49	06:03	(unrelated sample)
ZZZZZZ	J074295.D	04/27/12	17:12	06:26	(unrelated sample)
F92313-1	J074296.D	04/27/12	17:36	06:50	(used for QC only; not part of job F92428)
ZZZZZZ	J074297.D	04/27/12	17:59	07:13	(unrelated sample)
F92313-1MS	J074298.D	04/27/12	18:22	07:36	Matrix Spike
F92313-1MSD	J074299.D	04/27/12	18:46	08:00	Matrix Spike Duplicate
ZZZZZZ	J074300.D	04/27/12	19:09	08:23	(unrelated sample)
ZZZZZZ	J074301.D	04/27/12	19:32	08:46	(unrelated sample)
F92428-1	J074302.D	04/27/12	19:55	09:09	W81
F92428-2	J074303.D	04/27/12	20:19	09:33	W82
F92428-3	J074304.D	04/27/12	20:42	09:56	MW-211

Instrument Performance Check (BFB)

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VJ3934-BFB
Lab File ID: J074279.D
Instrument ID: GCMSJ
Injection Date: 04/27/12
Injection Time: 10:46

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
F92428-4	J074305.D	04/27/12	21:05	10:19	NW-AB-19

Instrument Performance Check (BFB)

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VJ3936-BFB
Lab File ID: J074307.D
Instrument ID: GCMSJ
Injection Date: 04/28/12
Injection Time: 08:10

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	46827	26.7		Pass
75	30.0 - 60.0% of mass 95	85347	48.7		Pass
95	Base peak, 100% relative abundance	175339	100.0		Pass
96	5.0 - 9.0% of mass 95	11981	6.83		Pass
173	Less than 2.0% of mass 174	206	0.12	(0.14) [a]	Pass
174	50.0 - 100.0% of mass 95	143197	81.7		Pass
175	5.0 - 9.0% of mass 174	10281	5.86	(7.18) [a]	Pass
176	95.0 - 101.0% of mass 174	140827	80.3	(98.3) [a]	Pass
177	5.0 - 9.0% of mass 176	9668	5.51	(6.87) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VJ3936-CC3923	J074308.D	04/28/12	09:18	01:08	Continuing cal 4
VJ3936-BS	J074309.D	04/28/12	10:02	01:52	Blank Spike
VJ3938-BS	J074309.D	04/28/12	10:02	01:52	Blank Spike
VJ3939-BS	J074309.D	04/28/12	10:02	01:52	Blank Spike
VJ3936-MB	J074310.D	04/28/12	10:25	02:15	Method Blank
VJ3938-MB	J074310.D	04/28/12	10:25	02:15	Method Blank
VJ3939-MB	J074310.D	04/28/12	10:25	02:15	Method Blank
VJ3937-BS	J074311.D	04/28/12	10:57	02:47	Blank Spike
OP41577-LB	J074312.D	04/28/12	11:20	03:10	Leachate Blank
ZZZZZZ	J074313.D	04/28/12	11:43	03:33	(unrelated sample)
F92496-1	J074314.D	04/28/12	12:06	03:56	(used for QC only; not part of job F92428)
F92496-1MS	J074315.D	04/28/12	12:29	04:19	Matrix Spike
F92496-1MSD	J074316.D	04/28/12	12:53	04:43	Matrix Spike Duplicate
ZZZZZZ	J074317.D	04/28/12	13:16	05:06	(unrelated sample)
ZZZZZZ	J074318.D	04/28/12	13:41	05:31	(unrelated sample)
ZZZZZZ	J074319.D	04/28/12	14:04	05:54	(unrelated sample)
ZZZZZZ	J074320.D	04/28/12	14:27	06:17	(unrelated sample)
ZZZZZZ	J074321.D	04/28/12	14:51	06:41	(unrelated sample)
ZZZZZZ	J074322.D	04/28/12	15:14	07:04	(unrelated sample)
ZZZZZZ	J074323.D	04/28/12	15:37	07:27	(unrelated sample)
ZZZZZZ	J074324.D	04/28/12	16:00	07:50	(unrelated sample)
ZZZZZZ	J074325.D	04/28/12	16:24	08:14	(unrelated sample)
ZZZZZZ	J074326.D	04/28/12	16:47	08:37	(unrelated sample)
F92428-5	J074327.D	04/28/12	17:10	09:00	NW-P-0

Instrument Performance Check (BFB)

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VJ3936-BFB
Lab File ID: J074307.D
Instrument ID: GCMSJ
Injection Date: 04/28/12
Injection Time: 08:10

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
F92428-5MS	J074328.D	04/28/12	17:33	09:23	Matrix Spike
F92428-5MSD	J074329.D	04/28/12	17:57	09:47	Matrix Spike Duplicate
F92492-1	J074330.D	04/28/12	18:20	10:10	(used for QC only; not part of job F92428)
ZZZZZZ	J074331.D	04/28/12	18:43	10:33	(unrelated sample)
ZZZZZZ	J074332.D	04/28/12	19:07	10:57	(unrelated sample)
F92492-1MS	J074333.D	04/28/12	19:30	11:20	Matrix Spike
F92492-1MSD	J074334.D	04/28/12	19:53	11:43	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VJ3941-BFB
Lab File ID: J074364.D
Instrument ID: GCMSJ
Injection Date: 04/30/12
Injection Time: 08:52

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	24917	26.2		Pass
75	30.0 - 60.0% of mass 95	48917	51.4		Pass
95	Base peak, 100% relative abundance	95141	100.0		Pass
96	5.0 - 9.0% of mass 95	6850	7.20		Pass
173	Less than 2.0% of mass 174	270	0.28	(0.34) [a]	Pass
174	50.0 - 100.0% of mass 95	80099	84.2		Pass
175	5.0 - 9.0% of mass 174	5650	5.94	(7.05) [a]	Pass
176	95.0 - 101.0% of mass 174	77408	81.4	(96.6) [a]	Pass
177	5.0 - 9.0% of mass 176	5160	5.42	(6.67) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VJ3941-CC3923	J074365.D	04/30/12	09:15	00:23	Continuing cal 4
VJ3941-BS	J074366.D	04/30/12	09:54	01:02	Blank Spike
VJ3942-BS	J074366.D	04/30/12	09:54	01:02	Blank Spike
F92492-1	J074368.D	04/30/12	10:40	01:48	(used for QC only; not part of job F92428)
ZZZZZZ	J074369.D	04/30/12	11:04	02:12	(unrelated sample)
VJ3941-MB	J074370.D	04/30/12	11:27	02:35	Method Blank
VJ3942-MB	J074370.D	04/30/12	11:27	02:35	Method Blank
ZZZZZZ	J074371.D	04/30/12	11:50	02:58	(unrelated sample)
ZZZZZZ	J074372.D	04/30/12	12:13	03:21	(unrelated sample)
ZZZZZZ	J074373.D	04/30/12	12:36	03:44	(unrelated sample)
ZZZZZZ	J074374.D	04/30/12	13:00	04:08	(unrelated sample)
F92319-1	J074375.D	04/30/12	13:23	04:31	(used for QC only; not part of job F92428)
ZZZZZZ	J074376.D	04/30/12	13:46	04:54	(unrelated sample)
F92428-5	J074377.D	04/30/12	14:09	05:17	NW-P-0
F92428-6	J074378.D	04/30/12	14:33	05:41	MW-229
F92492-1DUP	J074379.D	04/30/12	14:56	06:04	Duplicate
F92319-1MS	J074380.D	04/30/12	15:20	06:28	Matrix Spike
F92319-1MSD	J074381.D	04/30/12	15:43	06:51	Matrix Spike Duplicate
F92428-7	J074382.D	04/30/12	16:06	07:14	M-2
F92428-9	J074384.D	04/30/12	16:53	08:01	MW-209
F92428-10	J074385.D	04/30/12	17:17	08:25	NW-F-2
F92428-11	J074386.D	04/30/12	17:40	08:48	MW-213
F92428-12	J074387.D	04/30/12	18:03	09:11	MW-219
ZZZZZZ	J074388.D	04/30/12	18:27	09:35	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VJ3941-BFB
Lab File ID: J074364.D
Instrument ID: GCMSJ
Injection Date: 04/30/12
Injection Time: 08:52

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	J074389.D	04/30/12	18:50	09:58	(unrelated sample)
ZZZZZZ	J074390.D	04/30/12	19:14	10:22	(unrelated sample)
ZZZZZZ	J074391.D	04/30/12	19:37	10:45	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VJ3943-BFB
Lab File ID: J074398.D
Instrument ID: GCMSJ
Injection Date: 05/01/12
Injection Time: 09:41

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	25573	24.8		Pass
75	30.0 - 60.0% of mass 95	51096	49.6		Pass
95	Base peak, 100% relative abundance	103021	100.0		Pass
96	5.0 - 9.0% of mass 95	7138	6.93		Pass
173	Less than 2.0% of mass 174	486	0.47	(0.58) [a]	Pass
174	50.0 - 100.0% of mass 95	84272	81.8		Pass
175	5.0 - 9.0% of mass 174	6643	6.45	(7.88) [a]	Pass
176	95.0 - 101.0% of mass 174	82203	79.8	(97.5) [a]	Pass
177	5.0 - 9.0% of mass 176	5999	5.82	(7.30) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VJ3943-CC3923	J074399.D	05/01/12	10:12	00:31	Continuing cal 4
VJ3943-BS	J074400.D	05/01/12	10:52	01:11	Blank Spike
VJ3943-MB	J074401.D	05/01/12	11:15	01:34	Method Blank
ZZZZZZ	J074402.D	05/01/12	11:46	02:05	(unrelated sample)
F92428-11	J074403.D	05/01/12	12:09	02:28	MW-213
ZZZZZZ	J074404.D	05/01/12	12:32	02:51	(unrelated sample)
F92428-6	J074405.D	05/01/12	12:56	03:15	MW-229
F92428-8	J074406.D	05/01/12	13:19	03:38	NW-K-6
F92428-9	J074407.D	05/01/12	13:42	04:01	MW-209
ZZZZZZ	J074408.D	05/01/12	14:06	04:25	(unrelated sample)
ZZZZZZ	J074409.D	05/01/12	14:31	04:50	(unrelated sample)
ZZZZZZ	J074410.D	05/01/12	14:55	05:14	(unrelated sample)
F92503-4	J074411.D	05/01/12	15:18	05:37	(used for QC only; not part of job F92428)
ZZZZZZ	J074412.D	05/01/12	15:42	06:01	(unrelated sample)
ZZZZZZ	J074413.D	05/01/12	16:05	06:24	(unrelated sample)
ZZZZZZ	J074414.D	05/01/12	16:29	06:48	(unrelated sample)
ZZZZZZ	J074415.D	05/01/12	16:52	07:11	(unrelated sample)
ZZZZZZ	J074417.D	05/01/12	17:39	07:58	(unrelated sample)
F92503-4MS	J074418.D	05/01/12	18:02	08:21	Matrix Spike
F92503-4MSD	J074419.D	05/01/12	18:26	08:45	Matrix Spike Duplicate
ZZZZZZ	J074420.D	05/01/12	18:49	09:08	(unrelated sample)
F92428-6	J074421.D	05/01/12	19:12	09:31	MW-229
ZZZZZZ	J074422.D	05/01/12	19:35	09:54	(unrelated sample)
ZZZZZZ	J074423.D	05/01/12	19:58	10:17	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std:	VJ3934-CC3923	**Injection Date:**	04/27/12
Lab File ID:	J074280.D	**Injection Time:**	11:09
Instrument ID:	GCMSJ	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Initial Cal [a]	637596	7.85	445669	10.95	248881	13.30	91725	5.37
Check Std [b]	664038	7.85	468873	10.94	264827	13.30	89988	5.38
Upper Limit [c]	1328076	8.35	937746	11.44	529654	13.80	179976	5.88
Lower Limit [d]	332019	7.35	234437	10.44	132414	12.80	44994	4.88

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
VJ3934-BS	660257	7.85	466196	10.94	255231	13.30	87005	5.38
VJ3935-BS	660257	7.85	466196	10.94	255231	13.30	87005	5.38
VJ3934-MB	635560	7.85	473683	10.95	259128	13.30	88471	5.37
VJ3935-MB	635560	7.85	473683	10.95	259128	13.30	88471	5.37
ZZZZZZ	635428	7.85	461551	10.94	256958	13.30	90114	5.36
F92306-4	644272	7.85	463236	10.94	257463	13.30	85843	5.37
ZZZZZZ	646008	7.85	441707	10.95	242765	13.30	82973	5.38
ZZZZZZ	653191	7.85	447881	10.95	254236	13.30	87757	5.38
F92306-4MS	615663	7.85	434453	10.95	241570	13.30	84453	5.37
F92306-4MSD	611764	7.85	436379	10.95	247546	13.30	87991	5.37
ZZZZZZ	617260	7.85	458206	10.95	248026	13.30	90110	5.37
ZZZZZZ	600564	7.85	445559	10.95	240866	13.30	85059	5.37
ZZZZZZ	614159	7.85	438545	10.95	248938	13.30	93832	5.38
ZZZZZZ	660786	7.85	453090	10.94	249786	13.30	103948	5.37
F92313-1	602019	7.85	432636	10.95	238676	13.30	78211	5.38
ZZZZZZ	609005	7.85	437132	10.95	241412	13.30	79809	5.38
F92313-1MS	619233	7.85	429540	10.95	246063	13.30	78575	5.38
F92313-1MSD	598213	7.85	421017	10.95	239513	13.30	77576	5.37
ZZZZZZ	614008	7.85	444016	10.95	244457	13.30	81296	5.37
ZZZZZZ	621643	7.85	456919	10.95	241980	13.30	79734	5.38
F92428-1 [e]	605064	7.85	442767	10.94	245292	13.30	80487	5.38
F92428-2 [e]	600991	7.85	425025	10.94	233132	13.30	82342	5.38
F92428-3 [e]	608751	7.85	434785	10.95	243520	13.30	85623	5.37
F92428-4 [e]	582508	7.85	424884	10.94	235236	13.30	84964	5.37

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4
IS 4 = Tert Butyl Alcohol-D10

(a) Initial Cal is: VJ3923-ICC3923 J074052.D 04/19/12 15:50
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std:	VJ3934-CC3923	**Injection Date:**	04/27/12
Lab File ID:	J074280.D	**Injection Time:**	11:09
Instrument ID:	GCMSJ	**Method:**	SW846 8260B

Lab	IS 1		IS 2		IS 3		IS 4	
Sample ID	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**

(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(e) Sample was not preserved to a pH < 2.

Volatile Internal Standard Area Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std:	VJ3936-CC3923	**Injection Date:**	04/28/12
Lab File ID:	J074308.D	**Injection Time:**	09:18
Instrument ID:	GCMSJ	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Initial Cal [a]	637596	7.85	445669	10.95	248881	13.30	91725	5.37
Check Std [b]	639702	7.85	448443	10.94	253306	13.30	89173	5.38
Upper Limit [c]	1279404	8.35	896886	11.44	506612	13.80	178346	5.88
Lower Limit [d]	319851	7.35	224222	10.44	126653	12.80	44587	4.88

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
VJ3936-BS	633960	7.85	441957	10.94	246813	13.30	87200	5.38
VJ3938-BS [e]	633960	7.85	441957	10.94	246813	13.30	87200	5.38
VJ3939-BS	633960	7.85	441957	10.94	246813	13.30	87200	5.38
VJ3936-MB	633792	7.85	467889	10.94	258621	13.30	92664	5.37
VJ3938-MB	633792	7.85	467889	10.94	258621	13.30	92664	5.37
VJ3939-MB	633792	7.85	467889	10.94	258621	13.30	92664	5.37
VJ3937-BS	628597	7.85	438227	10.94	246173	13.30	86230	5.37
OP41577-LB	606597	7.85	452118	10.95	244220	13.30	87539	5.36
ZZZZZZ	600691	7.85	441353	10.95	245567	13.30	69320	5.37
F92496-1	590382	7.85	433524	10.94	241548	13.30	79082	5.37
F92496-1MS	611868	7.85	438800	10.95	249755	13.30	79665	5.37
F92496-1MSD	619484	7.85	444888	10.95	245532	13.30	82411	5.38
ZZZZZZ	603636	7.85	437841	10.95	240203	13.30	79686	5.37
ZZZZZZ	580228	7.85	430887	10.95	232837	13.30	77641	5.37
ZZZZZZ	586909	7.85	432935	10.95	240664	13.30	79530	5.38
ZZZZZZ	586299	7.85	444009	10.95	246228	13.30	81115	5.38
ZZZZZZ	627230	7.85	456631	10.94	250648	13.30	85615	5.38
ZZZZZZ	616192	7.85	454827	10.95	249221	13.30	85709	5.37
ZZZZZZ	600988	7.85	437274	10.95	242130	13.30	82351	5.37
ZZZZZZ	626450	7.85	449030	10.94	244437	13.30	79822	5.37
ZZZZZZ	592108	7.85	436278	10.95	237143	13.30	85681	5.37
ZZZZZZ	585355	7.85	428281	10.95	231844	13.30	79057	5.38
F92428-5 [f]	600275	7.85	433601	10.95	239075	13.30	82610	5.37
F92428-5MS	588303	7.85	431427	10.95	237226	13.31	81484	5.38
F92428-5MSD	600904	7.85	432107	10.95	241327	13.30	86233	5.38
F92492-1	583481	7.85	427925	10.95	231506	13.30	84223	5.36
ZZZZZZ	585695	7.85	433231	10.95	234255	13.31	86492	5.38
ZZZZZZ	594627	7.85	430478	10.95	234435	13.30	95992	5.37
F92492-1MS	591880	7.85	427987	10.95	242607	13.30	85329	5.37
F92492-1MSD	590222	7.85	430493	10.95	241654	13.30	92791	5.38

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5

Volatile Internal Standard Area Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std:	VJ3936-CC3923	**Injection Date:**	04/28/12
Lab File ID:	J074308.D	**Injection Time:**	09:18
Instrument ID:	GCMSJ	**Method:**	SW846 8260B

Lab	IS 1		IS 2		IS 3		IS 4	
Sample ID	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**

IS 2 = 1,4-Dichlorobenzene-d4
IS 4 = Tert Butyl Alcohol-D10

(a) Initial Cal is: VJ3923-ICC3923 J074052.D 04/19/12 15:50
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(e) No sample available for MS/MSD.
(f) Confirmation run.

Volatile Internal Standard Area Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std:	VJ3941-CC3923	**Injection Date:**	04/30/12
Lab File ID:	J074365.D	**Injection Time:**	09:15
Instrument ID:	GCMSJ	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Initial Cal [a]	637596	7.85	445669	10.95	248881	13.30	91725	5.37
Check Std [b]	642774	7.85	448854	10.94	251483	13.30	87763	5.37
Upper Limit [c]	1285548	8.35	897708	11.44	502966	13.80	175526	5.87
Lower Limit [d]	321387	7.35	224427	10.44	125742	12.80	43882	4.87

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
VJ3941-BS	640977	7.85	457953	10.94	252723	13.30	88670	5.38
VJ3942-BS	640977	7.85	457953	10.94	252723	13.30	88670	5.38
F92492-1	597689	7.85	442090	10.94	244909	13.30	83964	5.37
ZZZZZZ	605074	7.85	452648	10.94	246725	13.30	74059	5.38
VJ3941-MB	602995	7.85	440923	10.94	239908	13.30	80752	5.38
VJ3942-MB	602995	7.85	440923	10.94	239908	13.30	80752	5.38
ZZZZZZ	588379	7.85	439710	10.95	239689	13.30	77236	5.38
ZZZZZZ	580404	7.85	426720	10.94	235718	13.30	77858	5.38
ZZZZZZ	600528	7.85	447832	10.94	246095	13.30	83255	5.37
ZZZZZZ	579152	7.85	437037	10.94	232650	13.30	78312	5.38
F92319-1	581278	7.85	429126	10.94	234285	13.30	80265	5.37
ZZZZZZ	586162	7.85	439136	10.95	241232	13.30	83117	5.38
F92428-5 [e]	569463	7.85	421889	10.94	236379	13.30	76846	5.36
F92428-6 [f]	566033	7.85	426503	10.95	231049	13.30	77359	5.38
F92492-1DUP	556787	7.85	423594	10.95	233219	13.30	88028	5.36
F92319-1MS	590856	7.85	424134	10.95	237167	13.30	81681	5.37
F92319-1MSD	579442	7.85	420170	10.94	236544	13.30	85640	5.38
F92428-7 [e]	593439	7.85	448937	10.95	246211	13.30	88470	5.38
F92428-9 [f]	559377	7.85	407112	10.95	227649	13.30	83230	5.36
F92428-10 [f]	587573	7.85	427081	10.94	229951	13.30	86365	5.37
F92428-11 [f]	554734	7.85	407286	10.95	223107	13.30	85185	5.38
F92428-12 [f]	560961	7.85	416729	10.95	231266	13.30	85980	5.38
ZZZZZZ	563951	7.85	420701	10.95	230762	13.30	85313	5.36
ZZZZZZ	560993	7.85	423256	10.95	230047	13.30	84608	5.38
ZZZZZZ	553437	7.85	404475	10.95	219374	13.30	84716	5.38
ZZZZZZ	544156	7.85	395799	10.95	219618	13.30	79521	5.38

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4
IS 4 = Tert Butyl Alcohol-D10

(a) Initial Cal is: VJ3923-ICC3923 J074052.D 04/19/12 15:50

Volatile Internal Standard Area Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std:	VJ3941-CC3923	**Injection Date:**	04/30/12
Lab File ID:	J074365.D	**Injection Time:**	09:15
Instrument ID:	GCMSJ	**Method:**	SW846 8260B

Lab	IS 1		IS 2		IS 3		IS 4	
Sample ID	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**

(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(e) Sample was not preserved to a pH < 2. Sample was treated with an anti-foaming agent.
(f) Sample was not preserved to a pH < 2.

Volatile Internal Standard Area Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std:	VJ3943-CC3923	**Injection Date:**	05/01/12
Lab File ID:	J074399.D	**Injection Time:**	10:12
Instrument ID:	GCMSJ	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Initial Cal [a]	637596	7.85	445669	10.95	248881	13.30	91725	5.37
Check Std [b]	599985	7.85	429077	10.94	244198	13.30	82358	5.37
Upper Limit [c]	1199970	8.35	858154	11.44	488396	13.80	164716	5.87
Lower Limit [d]	299993	7.35	214539	10.44	122099	12.80	41179	4.87

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
VJ3943-BS	611737	7.85	438629	10.94	241778	13.30	83154	5.38
VJ3943-MB	606570	7.85	448087	10.94	238595	13.30	85411	5.37
ZZZZZZ	590074	7.85	441221	10.95	238684	13.30	80323	5.38
F92428-11 [e]	584006	7.85	437140	10.95	236813	13.30	73339	5.37
ZZZZZZ	583415	7.85	414298	10.94	243334	13.30	82496	5.37
F92428-6 [e]	583886	7.85	429222	10.95	234717	13.30	84438	5.38
F92428-8 [e]	583671	7.85	430844	10.94	234437	13.30	81971	5.38
F92428-9 [e]	565872	7.85	429910	10.95	231270	13.30	82011	5.38
ZZZZZZ	586072	7.85	437443	10.95	241679	13.30	87364	5.38
ZZZZZZ	562439	7.85	420265	10.95	225879	13.30	85497	5.37
ZZZZZZ	560564	7.85	412973	10.94	220906	13.30	81757	5.37
F92503-4	548008	7.85	411737	10.95	222524	13.30	78945	5.37
ZZZZZZ	559835	7.85	422759	10.95	224681	13.30	80238	5.37
ZZZZZZ	575474	7.85	431387	10.95	227308	13.30	85591	5.38
ZZZZZZ	569610	7.85	416917	10.95	228242	13.30	83926	5.37
ZZZZZZ	576827	7.85	426752	10.95	233661	13.30	85354	5.38
ZZZZZZ	553444	7.85	418026	10.94	231030	13.30	83739	5.36
F92503-4MS	604560	7.85	433085	10.95	246060	13.30	87549	5.39
F92503-4MSD	633893	7.85	457203	10.94	261937	13.30	99986	5.36
ZZZZZZ	587099	7.85	433702	10.95	240054	13.30	92697	5.36
F92428-6 [e]	582419	7.85	437744	10.95	231978	13.30	90832	5.38
ZZZZZZ	594319	7.85	435519	10.95	241158	13.30	90277	5.37
ZZZZZZ	604320	7.85	448088	10.95	249455	13.30	83895	5.37

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4
IS 4 = Tert Butyl Alcohol-D10

(a) Initial Cal is: VJ3923-ICC3923 J074052.D 04/19/12 15:50
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std:	VJ3943-CC3923	**Injection Date:**	05/01/12
Lab File ID:	J074399.D	**Injection Time:**	10:12
Instrument ID:	GCMSJ	**Method:**	SW846 8260B

Lab	IS 1		IS 2		IS 3		IS 4	
Sample ID	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**

(e) Sample was not preserved to a pH < 2.

Volatile Surrogate Recovery Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
F92428-1	J074302.D	99.0	96.0	97.0	95.0
F92428-2	J074303.D	98.0	96.0	98.0	98.0
F92428-3	J074304.D	101.0	96.0	98.0	98.0
F92428-4	J074305.D	100.0	99.0	96.0	96.0
F92428-5	J074377.D	104.0	102.0	96.0	95.0
F92428-5	J074327.D	101.0	100.0	97.0	97.0
F92428-6	J074405.D	102.0	98.0	96.0	96.0
F92428-6	J074421.D	100.0	101.0	96.0	99.0
F92428-6	J074378.D	104.0	103.0	95.0	97.0
F92428-7	J074382.D	103.0	101.0	96.0	97.0
F92428-8	J074406.D	102.0	101.0	96.0	96.0
F92428-9	J074407.D	102.0	102.0	96.0	98.0
F92428-9	J074384.D	100.0	100.0	97.0	96.0
F92428-10	J074385.D	99.0	102.0	97.0	99.0
F92428-11	J074403.D	103.0	99.0	96.0	97.0
F92428-11	J074386.D	104.0	103.0	98.0	97.0
F92428-12	J074387.D	105.0	103.0	97.0	97.0
F92306-4MS	J074290.D	99.0	94.0	101.0	100.0
F92306-4MSD	J074291.D	99.0	95.0	100.0	98.0
F92319-1MS	J074380.D	102.0	99.0	99.0	98.0
F92319-1MSD	J074381.D	101.0	97.0	97.0	97.0
F92503-4MS	J074418.D	100.0	99.0	97.0	96.0
F92503-4MSD	J074419.D	103.0	99.0	98.0	97.0
VJ3934-BS	J074281.D	96.0	92.0	100.0	99.0
VJ3934-MB	J074282.D	99.0	95.0	97.0	99.0
VJ3941-BS	J074366.D	100.0	94.0	98.0	101.0
VJ3941-MB	J074370.D	101.0	97.0	96.0	96.0
VJ3943-BS	J074400.D	101.0	98.0	98.0	99.0
VJ3943-MB	J074401.D	102.0	101.0	97.0	100.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	87-116%
S2 = 1,2-Dichloroethane-D4	76-127%
S3 = Toluene-D8	86-112%
S4 = 4-Bromofluorobenzene	84-120%

Initial Calibration Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: VJ3923-ICC3923
Lab FileID: J074052.D

Response Factor Report MSVOA6

```
Method       : C:\MSDchem\1\METHODS\8260-japp9.m (RTE Integrator)
Title        : SW-846 Method 5030B/8260B & EPA 624
Last Update  : Fri Apr 20 10:14:21 2012
Response via : Initial Calibration

Calibration Files
1   =J074049.D   2   =J074050.D   3   =J074051.D   4   =J074052.D
5      =J074053.D    6      =J074054.D

      Compound              1     2     3     4     5     6     Avg    %RSD
-------------------------------------------------------------------------------

1) I   Fluorobenzene         ----------------ISTD---------------------
2)     Dichlorodifluoromet 0.195 0.298 0.366 0.386 0.374 0.359 0.329  22.12
           ---- Linear regr., Force(0,0) ----  Coefficient =  0.9985
             Response Ratio = 0.00000 + 0.36600 *A

3) P   Chloromethane       0.566 0.582 0.671 0.729 0.711 0.635 0.649  10.29
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9983
             Response Ratio = 0.00000 + 0.78957 *A + -0.07338 *A^2

4) C   Vinyl Chloride      0.317 0.325 0.415 0.428 0.424 0.413 0.387  13.26
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
             Response Ratio = 0.00000 + 0.43427 *A + -0.01012 *A^2

5)     Bromomethane        0.265 0.186 0.192 0.192 0.169 0.158 0.193  19.33
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9995
             Response Ratio = 0.00000 + 0.20532 *A + -0.02410 *A^2

6)     Chloroethane        0.186 0.183 0.195 0.199 0.176 0.159 0.183   7.81
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
             Response Ratio = 0.00000 + 0.21738 *A + -0.02918 *A^2

7)     Trichlorofluorometh 0.331 0.345 0.427 0.434 0.451 0.425 0.402  12.61
           ---- Linear regr., Force(0,0) ----  Coefficient =  0.9984
             Response Ratio = 0.00000 + 0.43338 *A

8)     Ethyl Ether         0.422 0.349 0.385 0.424 0.422 0.395 0.399   7.43
9)     1,2-Dichlorotrifluo 0.450 0.397 0.425 0.479 0.478 0.443 0.445   7.08
10) C  1,1-Dichloroethene  0.602 0.519 0.562 0.632 0.633 0.593 0.590   7.41
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9986
             Response Ratio = 0.00000 + 0.65141 *A + -0.02642 *A^2

11)    Freon 113           0.305 0.293 0.312 0.345 0.333 0.319 0.318   5.96
12)    Carbon Disulfide    1.074 0.913 0.999 1.139 1.123 1.051 1.050   7.99
13)    Iodomethane         0.482 0.430 0.453 0.530 0.528 0.502 0.488   8.29
14)    Allyl chloride      0.582 0.612 0.733 0.805 0.826 0.787 0.724  14.32
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9989
             Response Ratio = 0.00000 + 0.81929 *A + -0.01251 *A^2

15)    Methylene Chloride  2.851 0.963 0.739 0.774 0.747 0.686 1.127  75.46
           ---- Linear regr., Force(0,0) ----  Coefficient =  0.9965
             Response Ratio = 0.00000 + 0.71409 *A

16)    Acetone             0.047 0.034 0.031 0.032 0.035 0.034 0.036  16.00
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9984
             Response Ratio = 0.00000 + 0.03300 *A + 0.00014 *A^2
```

Initial Calibration Summary

Job Number: F92428 **Sample:** VJ3923-ICC3923
Account: URSNCM URS Corporation **Lab FileID:** J074052.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
17)      Methyl acetate       0.051 0.049 0.051 0.058 0.057 0.053 0.053   6.45
18)      trans-1,2-Dichloroe 0.664 0.578 0.584 0.664 0.666 0.612 0.628   6.66
19)      Hexane               0.452 0.401 0.426 0.483 0.482 0.447 0.449   7.16
20)      Methyl Tert Butyl E 1.005 0.924 0.926 1.073 1.052 0.977 0.993   6.29
21)      Acetonitrile         0.030 0.006 0.005 0.006 0.006 0.005 0.009  106.09
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9908
               Response Ratio = 0.00000 + 0.00665 *A + -0.00010 *A^2

22)      Di-isopropyl ether  1.802 1.595 1.643 1.895 1.879 1.744 1.760   6.97
23)      Chloroprene         0.494 0.523 0.691 0.738 0.764 0.724 0.656  17.81
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9984
               Response Ratio = 0.00000 + 0.73593 *A

24) P    1,1-Dichloroethane  0.688 0.653 0.660 0.759 0.771 0.709 0.707   7.02
25)      Acrylonitrile       0.177 0.169 0.170 0.184 0.186 0.174 0.177   4.04
26)      ETBE                1.451 1.302 1.346 1.524 1.518 1.384 1.421   6.46
27)      Vinyl acetate       0.808 0.806 0.817 0.870 0.821 0.738 0.810   5.24
28)      cis-1,2-Dichloroeth 0.353 0.299 0.311 0.356 0.358 0.332 0.335   7.49
29)      2,2-Dichloropropane 0.427 0.404 0.438 0.512 0.523 0.474 0.463  10.37
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9968
               Response Ratio = 0.00000 + 0.53895 *A + -0.02865 *A^2

30)      Bromochloromethane  0.154 0.144 0.150 0.166 0.169 0.157 0.157   6.09
31)      Cyclohexane         0.834 0.754 0.794 0.916 0.929 0.853 0.847   8.04
32) C    Chloroform          0.582 0.512 0.527 0.593 0.590 0.540 0.557   6.34
33)      Ethyl acetate       0.371 0.360 0.394 0.412 0.406 0.375 0.386   5.34
34)      Tetrahydrofuran     0.182 0.145 0.135 0.152 0.153 0.141 0.152  10.83
35) S    Dibromofluoromethan 0.264 0.258 0.245 0.247 0.253 0.242 0.251   3.36
36)      Carbon Tetrachlorid 0.343 0.323 0.348 0.400 0.403 0.380 0.366   9.01
37)      1,1,1-Trichloroetha 0.412 0.402 0.415 0.475 0.491 0.452 0.441   8.35
38)      2-Butanone          0.280 0.221 0.220 0.274 0.253 0.226 0.246  11.05
39)      1,1-Dichloropropene 0.384 0.389 0.418 0.471 0.476 0.442 0.430   9.20
40)      Propionitrile       0.049 0.056 0.064 0.068 0.066 0.061 0.061  11.95
41)      Methacrylonitrile   0.222 0.230 0.265 0.274 0.253 0.227 0.245   8.88
42)      Benzene             1.253 1.151 1.192 1.333 1.308 1.184 1.237   5.90
43)      TAME                0.982 0.875 0.924 1.071 1.053 0.972 0.980   7.62
44) S    1,2-Dichloroethane- 0.386 0.387 0.364 0.365 0.376 0.361 0.373   3.11
45)      1,2-Dichloroethane  0.526 0.472 0.485 0.555 0.542 0.505 0.514   6.39
46)      Trichloroethene     0.267 0.261 0.284 0.319 0.326 0.294 0.292   9.15
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9972
               Response Ratio = 0.00000 + 0.34058 *A + -0.02096 *A^2

47)      Methylcyclohexane   0.537 0.515 0.557 0.626 0.633 0.581 0.575   8.31
48)      Dibromomethane      0.174 0.173 0.179 0.203 0.204 0.185 0.186   7.61
49) C    1,2-Dichloropropane 0.426 0.372 0.380 0.440 0.439 0.407 0.411   7.20
50)      Bromodichloromethan 0.394 0.337 0.373 0.422 0.432 0.401 0.393   8.80
51)      Methyl methacrylate 0.268 0.273 0.361 0.402 0.413 0.385 0.350  18.41
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9982
               Response Ratio = 0.00000 + 0.41539 *A + -0.01268 *A^2

52)      2-Chloroethyl vinyl 0.243 0.227 0.241 0.269 0.263 0.238 0.247   6.47
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9981
               Response Ratio = 0.00000 + 0.28725 *A + -0.00466 *A^2

53)      cis-1,3-Dichloropro 0.475 0.427 0.481 0.551 0.561 0.520 0.502  10.18

54) I    Chlorobenzene-d5       ----------------ISTD---------------------
55) S    Toluene-d8          1.306 1.325 1.273 1.333 1.356 1.305 1.316   2.16
56) C    Toluene             1.765 1.596 1.705 1.884 1.908 1.760 1.770   6.53
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9982
```

Initial Calibration Summary

Job Number: F92428 **Sample:** VJ3923-ICC3923
Account: URSNCM URS Corporation **Lab FileID:** J074052.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
                Response Ratio = 0.00000 + 1.97987 *A + -0.09969 *A^2

57)     2-Nitropropane      0.125 0.110 0.129 0.159 0.163 0.153 0.140  15.18
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9973
                Response Ratio = 0.00000 + 0.15953 *A + -0.00047 *A^2

58)     4-Methyl-2-pentanon 0.625 0.555 0.585 0.651 0.634 0.577 0.604   6.21
59)     trans-1,3-Dichlorop 0.527 0.513 0.591 0.653 0.671 0.620 0.596  10.94
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9980
                Response Ratio = 0.00000 + 0.68404 *A + -0.02804 *A^2

60)     Tetrachloroethene   0.429 0.372 0.411 0.450 0.470 0.447 0.430   8.09
61)     Ethyl methacrylate  0.411 0.449 0.606 0.638 0.663 0.638 0.567  19.14
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9991
                Response Ratio = 0.00000 + 0.64406 *A

62)     1,1,2-Trichloroetha 0.286 0.312 0.320 0.370 0.375 0.348 0.335  10.40
63)     Dibromochloromethan 0.353 0.322 0.367 0.421 0.445 0.423 0.388  12.38
64)     1,3-Dichloropropane 0.722 0.642 0.678 0.759 0.782 0.714 0.716   7.17
65)     1,2-Dibromoethane   0.388 0.353 0.395 0.439 0.459 0.423 0.409   9.29
66)     2-hexanone          0.395 0.361 0.385 0.431 0.439 0.399 0.402   7.25
67)     1-Chlorohexane      0.574 0.536 0.589 0.677 0.704 0.659 0.623  10.59
68) C   Ethylbenzene        1.937 1.768 1.868 2.031 2.034 1.843 1.914   5.59
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9981
                Response Ratio = 0.00000 + 2.17855 *A + -0.15658 *A^2

69) P   Chlorobenzene       1.013 0.992 1.051 1.164 1.167 1.078 1.077   6.90
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9965
                Response Ratio = 0.00000 + 1.11088 *A

70)     1,1,1,2-Tetrachloro 0.343 0.319 0.361 0.421 0.433 0.410 0.381  12.24
71)     m,p-Xylene          1.398 1.346 1.464 1.592 1.564 1.384 1.458   6.91
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9978
                Response Ratio = 0.00000 + 1.74006 *A + -0.08439 *A^2

72)     o-Xylene            1.521 1.416 1.550 1.757 1.747 1.616 1.601   8.35
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9983
                Response Ratio = 0.00000 + 1.83009 *A + -0.09846 *A^2

73)     Styrene             1.034 1.088 1.216 1.378 1.426 1.324 1.244  12.79
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9970
                Response Ratio = 0.00000 + 1.35557 *A

74) P   Bromoform           0.208 0.205 0.238 0.291 0.313 0.300 0.259  18.61
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9972
                Response Ratio = 0.00000 + 0.28629 *A + 0.00882 *A^2

75)     Isopropylbenzene    1.523 1.510 1.662 1.884 1.919 1.769 1.711  10.29
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9978
                Response Ratio = 0.00000 + 1.96766 *A + -0.08806 *A^2


76) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
77) S   4-Bromofluorobenzen 0.950 0.971 0.949 0.953 1.011 0.981 0.969   2.52
78)     cis-1,4-Dichloro-2- 0.277 0.275 0.363 0.408 0.437 0.418 0.363  19.78
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9981
                Response Ratio = 0.00000 + 0.41079 *A + 0.00615 *A^2

79)     n-Propylbenzene     4.026 3.788 4.098 4.484 4.472 4.061 4.155   6.57
80)     Bromobenzene        1.017 0.830 0.877 0.941 0.989 0.915 0.928   7.51
```

Initial Calibration Summary

Job Number: F92428 **Sample:** VJ3923-ICC3923
Account: URSNCM URS Corporation **Lab FileID:** J074052.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
 81) P   1,1,2,2-Tetrachloro 0.978 0.901 0.938 1.025 1.061 0.971 0.979   5.90
 82)     1,3,5-Trimethylbenz 2.940 2.712 2.991 3.303 3.317 3.015 3.046   7.57
 83)     2-Chlorotoluene     2.664 2.579 2.774 2.968 2.920 2.640 2.757   5.74
 84)     trans-1,4-Dichloro- 0.325 0.329 0.393 0.446 0.458 0.436 0.398  14.83
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9985
               Response Ratio = 0.00000 + 0.45011 *A + -0.00469 *A^2

 85)     1,2,3-Trichloroprop 0.271 0.234 0.246 0.275 0.277 0.262 0.261   6.65
 86)     Cyclohexanone       0.040 0.034 0.037 0.043 0.043 0.041 0.040   8.83
 87)     4-Chlorotoluene     2.532 2.363 2.553 2.817 2.857 2.589 2.618   7.13
 88)     tert-Butylbenzene   1.682 1.437 1.671 1.842 1.888 1.712 1.705   9.30
 89)     1,2,4-Trimethylbenz 2.860 2.728 2.994 3.342 3.332 3.010 3.045   8.17
 90)     Pentachloroethane   0.416 0.357 0.460 0.502 0.540 0.501 0.463  14.47
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9972
               Response Ratio = 0.00000 + 0.52415 *A + -0.00755 *A^2

 91)     sec-Butylbenzene    3.426 3.413 3.863 4.233 4.297 3.937 3.862   9.86
 92)     4-Isopropyltoluene  2.429 2.459 2.800 3.198 3.271 2.987 2.857  12.62
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9974
               Response Ratio = 0.00000 + 3.35979 *A + -0.16485 *A^2

 93)     1,3-Dichlorobenzene 1.505 1.442 1.570 1.782 1.808 1.648 1.626   9.11
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9975
               Response Ratio = 0.00000 + 1.88043 *A + -0.10501 *A^2

 94)     1,4-Dichlorobenzene 1.616 1.480 1.545 1.762 1.798 1.660 1.643   7.46
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9978
               Response Ratio = 0.00000 + 1.83641 *A + -0.07782 *A^2

 95)     n-Butylbenzene      1.575 1.486 1.812 2.090 2.108 1.927 1.833  14.19
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9975
               Response Ratio = 0.00000 + 2.18689 *A + -0.11686 *A^2

 96)     Benzyl Chloride     0.288 0.221 0.323 0.396 0.421 0.395 0.341  22.71
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9965
               Response Ratio = 0.00000 + 0.39709 *A + 0.00220 *A^2

 97)     1,2-Dichlorobenzene 1.585 1.410 1.522 1.702 1.733 1.605 1.593   7.45
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9981
               Response Ratio = 0.00000 + 1.77728 *A + -0.07680 *A^2

 98)     1,2-Dibromo-3-Chlor 0.139 0.144 0.160 0.191 0.198 0.183 0.169  14.80
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9969
               Response Ratio = 0.00000 + 0.19643 *A + -0.00528 *A^2

 99)     Hexachlorobutadiene 0.639 0.493 0.632 0.721 0.747 0.702 0.656  14.01
100)     1,2,4-Trichlorobenz 1.165 0.978 1.126 1.305 1.304 1.191 1.178  10.39
101)     Naphthalene         2.254 2.201 2.512 2.990 2.913 2.647 2.586  12.69
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9974
               Response Ratio = 0.00000 + 3.12298 *A + -0.22155 *A^2

102)     1,2,3-Trichlorobenz 1.061 0.884 1.018 1.198 1.176 1.073 1.068  10.69
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9975
               Response Ratio = 0.00000 + 1.25018 *A + -0.08198 *A^2


103) I   Tert Butyl Alcohol-d1 ----------------ISTD---------------------
104)     Ethanol             0.357 0.226 0.197 0.185 0.209 0.189 0.227  28.66
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9956
               Response Ratio = 0.00000 + 0.20767 *A + -0.00195 *A^2
```

Initial Calibration Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: VJ3923-ICC3923
Lab FileID: J074052.D

105)	acrolein	1.615	1.298	1.298	1.389	1.503	1.486	1.431	8.79
106)	Tert Butyl Alcohol	1.727	1.323	1.348	1.492	1.501	1.495	1.481	9.74
107)	tert Amyl alcohol	1.291	0.965	1.056	1.190	1.248	1.224	1.163	10.79
108)	Isobutyl alcohol	0.226	0.156	0.175	0.172	0.172	0.162	0.177	14.09
109)	1,4-Dioxane	0.140	0.093	0.113	0.130	0.142	0.133	0.125	15.18

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9965
Response Ratio = 0.00000 + 0.13277 *A + 0.00035 *A^2

(#) = Out of Range

8260-japp9.m Fri Apr 20 11:01:58 2012

Initial Calibration Verification

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: VJ3923-ICV3923
Lab FileID: J074055.D

Evaluate Continuing Calibration Report

Data File : C:\MSDchem\1\DATA\041912\J074055.D Vial: 7
Acq On : 19 Apr 2012 4:59 pm Operator: MELISSAM
Sample : ICV3923-4 Inst : MSVOA6
Misc : MS20657,VJ3923,,,,, Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDchem\1\METHODS\8260-japp9.m (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Fri Apr 20 10:14:21 2012
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	102	0.00	7.85
		Amount	Calc.	%Drift			
2	Dichlorodifluoromethane	40.000	37.141	7.1	90	0.00	2.67
3 P	Chloromethane	40.000	39.079	2.3	100	0.00	2.90
4 C	Vinyl Chloride	40.000	41.228	-3.1	105	0.00	3.05
5	Bromomethane	40.000	43.075	-7.7	106	0.00	3.49
6	Chloroethane	40.000	38.030	4.9	95	0.00	3.65
7	Trichlorofluoromethane	40.000	40.826	-2.1	104	-0.01	3.86
		AvgRF	CCRF	%Dev			
8	Ethyl Ether	0.399	0.419	-5.0	101	0.00	4.17
9	1,2-Dichlorotrifluoroetha	0.445	0.441	0.9	94	0.00	4.42
		Amount	Calc.	%Drift			
10 C	1,1-Dichloroethene	40.000	41.284	-3.2	105	0.00	4.46
		AvgRF	CCRF	%Dev			
11	Freon 113	0.318	0.335	-5.3	99	0.00	4.51
12	Carbon Disulfide	1.050	1.098	-4.6	99	0.00	4.53
13	Iodomethane	0.488	0.513	-5.1	99	0.00	4.65
		Amount	Calc.	%Drift			
14	Allyl chloride	40.000	32.825	17.9	84	0.00	5.00
15	Methylene Chloride	40.000	43.659	-9.1	103	0.00	5.12
16	Acetone	200.000	203.521	-1.8	108	0.01	5.16
		AvgRF	CCRF	%Dev			
17	Methyl acetate	0.053	0.058	-9.4	102	0.00	5.27
18	trans-1,2-Dichloroethene	0.628	0.656	-4.5	101	0.00	5.30
19	Hexane	0.449	0.468	-4.2	99	0.00	5.37
20	Methyl Tert Butyl Ether	0.993	1.081	-8.9	103	0.00	5.41
		Amount	Calc.	%Drift			
21	Acetonitrile	400.000	355.304	11.2	91	0.00	5.37
		AvgRF	CCRF	%Dev			
22	Di-isopropyl ether	1.760	1.909	-8.5	103	0.00	5.80
		Amount	Calc.	%Drift			
23	Chloroprene	40.000	37.122	7.2	95	0.00	5.96

Initial Calibration Verification

Job Number: F92428 **Sample:** VJ3923-ICV3923
Account: URSNCM URS Corporation **Lab FileID:** J074055.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

			AvgRF	CCRF	%Dev			
24	P	1,1-Dichloroethane	0.707	0.787	-11.3	106	0.00	5.99
25		Acrylonitrile	0.177	0.179	-1.1	99	0.00	6.03
26		ETBE	1.421	1.524	-7.2	102	0.00	6.20
27		Vinyl acetate	0.810	0.712	12.1	84	0.00	6.20
28		cis-1,2-Dichloroethene	0.335	0.365	-9.0	105	0.00	6.57
			Amount	Calc.	%Drift			
29		2,2-Dichloropropane	40.000	39.390	1.5	102	0.00	6.70
			AvgRF	CCRF	%Dev			
30		Bromochloromethane	0.157	0.164	-4.5	101	0.00	6.78
31		Cyclohexane	0.847	0.938	-10.7	105	0.00	6.82
32	C	Chloroform	0.557	0.603	-8.3	104	0.00	6.83
33		Ethyl acetate	0.386	0.401	-3.9	99	0.00	6.90
34		Tetrahydrofuran	0.152	0.156	-2.6	104	0.00	7.01
35	S	Dibromofluoromethane	0.251	0.247	1.6	102	0.00	7.03
36		Carbon Tetrachloride	0.366	0.411	-12.3	105	0.00	7.02
37		1,1,1-Trichloroethane	0.441	0.476	-7.9	102	0.00	7.09
38		2-Butanone	0.246	0.270	-9.8	101	0.00	7.13
39		1,1-Dichloropropene	0.430	0.486	-13.0	105	0.00	7.20
40		Propionitrile	0.061	0.064	-4.9	96	0.00	7.45
41		Methacrylonitrile	0.245	0.268	-9.4	100	0.00	7.48
42		Benzene	1.237	1.359	-9.9	104	0.00	7.45
43		TAME	0.980	1.090	-11.2	104	0.00	7.52
44	S	1,2-Dichloroethane-d4	0.373	0.361	3.2	101	0.00	7.58
45		1,2-Dichloroethane	0.514	0.565	-9.9	104	0.00	7.65
			Amount	Calc.	%Drift			
46		Trichloroethene	40.000	41.119	-2.8	107	0.00	8.02
			AvgRF	CCRF	%Dev			
47		Methylcyclohexane	0.575	0.631	-9.7	103	0.00	8.04
48		Dibromomethane	0.186	0.210	-12.9	105	0.00	8.46
49	C	1,2-Dichloropropane	0.411	0.452	-10.0	105	0.00	8.55
50		Bromodichloromethane	0.393	0.443	-12.7	107	0.00	8.60
			Amount	Calc.	%Drift			
51		Methyl methacrylate	40.000	41.078	-2.7	106	0.00	8.69
52		2-Chloroethyl vinyl ether	200.000	180.256	9.9	93	0.00	9.11
			AvgRF	CCRF	%Dev			
53		cis-1,3-Dichloropropene	0.502	0.582	-15.9	108	0.00	9.21
54	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00	10.95
55	S	Toluene-d8	1.316	1.327	-0.8	103	0.00	9.40
			Amount	Calc.	%Drift			
56	C	Toluene	40.000	41.321	-3.3	107	0.00	9.45
57		2-Nitropropane	200.000	198.318	0.8	101	0.00	9.67
			AvgRF	CCRF	%Dev			
58		4-Methyl-2-pentanone	0.604	0.661	-9.4	105	0.00	9.78
			Amount	Calc.	%Drift			
59		trans-1,3-Dichloropropene	40.000	45.767	-14.4	119	0.00	9.84
			AvgRF	CCRF	%Dev			
60		Tetrachloroethene	0.430	0.498	-15.8	114	0.00	9.85

Initial Calibration Verification

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: VJ3923-ICV3923
Lab FileID: J074055.D

			Amount	Calc.	%Drift			
61		Ethyl methacrylate	40.000	38.695	3.3	101	0.00	9.94

			AvgRF	CCRF	%Dev			
62		1,1,2-Trichloroethane	0.335	0.383	-14.3	107	0.00	10.01
63		Dibromochloromethane	0.388	0.459	-18.3	112	0.00	10.20
64		1,3-Dichloropropane	0.716	0.805	-12.4	109	0.00	10.29
65		1,2-Dibromoethane	0.409	0.474	-15.9	111	0.00	10.47
66		2-hexanone	0.402	0.447	-11.2	107	0.00	10.60
67		1-Chlorohexane	0.623	0.675	-8.3	103	0.00	10.89

			Amount	Calc.	%Drift			
68	C	Ethylbenzene	40.000	41.630	-4.1	108	0.00	10.96
69	P	Chlorobenzene	40.000	45.064	-12.7	111	0.00	10.97

			AvgRF	CCRF	%Dev			
70		1,1,1,2-Tetrachloroethane	0.381	0.445	-16.8	109	0.00	11.02

			Amount	Calc.	%Drift			
71		m,p-Xylene	80.000	82.579	-3.2	107	0.00	11.10
72		o-Xylene	40.000	41.806	-4.5	107	0.00	11.54
73		Styrene	40.000	43.215	-8.0	110	0.00	11.59
74	P	Bromoform	40.000	41.592	-4.0	108	0.00	11.65
75		Isopropylbenzene	40.000	47.495	-18.7	122	0.00	11.84

			AvgRF	CCRF	%Dev			
76	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	13.31
77	S	4-Bromofluorobenzene	0.969	0.969	0.0	103	0.00	12.16

			Amount	Calc.	%Drift			
78		cis-1,4-Dichloro-2-butene	40.000	44.198	-10.5	114	0.00	12.20

			AvgRF	CCRF	%Dev			
79		n-Propylbenzene	4.155	4.739	-14.1	107	0.00	12.26
80		Bromobenzene	0.928	1.031	-11.1	111	0.00	12.29
81	P	1,1,2,2-Tetrachloroethane	0.979	1.103	-12.7	109	0.00	12.32
82		1,3,5-Trimethylbenzene	3.046	3.373	-10.7	103	0.00	12.45
83		2-Chlorotoluene	2.757	3.110	-12.8	106	0.00	12.46

			Amount	Calc.	%Drift			
84		trans-1,4-Dichloro-2-Bute	40.000	40.185	-0.5	102	0.00	12.51

			AvgRF	CCRF	%Dev			
85		1,2,3-Trichloropropane	0.261	0.290	-11.1	107	0.00	12.49
86		Cyclohexanone	0.040	0.040	0.0	94	0.00	12.56
87		4-Chlorotoluene	2.618	3.044	-16.3	109	0.00	12.62
88		tert-Butylbenzene	1.705	1.952	-14.5	107	0.00	12.79
89		1,2,4-Trimethylbenzene	3.045	3.446	-13.2	104	0.00	12.86

			Amount	Calc.	%Drift			
90		Pentachloroethane	40.000	46.865	-17.2	122	0.00	12.84

			AvgRF	CCRF	%Dev			
91		sec-Butylbenzene	3.862	4.505	-16.6	108	0.00	12.98

			Amount	Calc.	%Drift			
92		4-Isopropyltoluene	40.000	42.930	-7.3	109	0.00	13.11
93		1,3-Dichlorobenzene	40.000	42.467	-6.2	108	0.00	13.24
94		1,4-Dichlorobenzene	40.000	42.879	-7.2	109	0.00	13.32

Initial Calibration Verification

Job Number: F92428 **Sample:** VJ3923-ICV3923
Account: URSNCM URS Corporation **Lab FileID:** J074055.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

95	n-Butylbenzene	40.000	41.028	-2.6	104	0.00	13.54
96	Benzyl Chloride	40.000	37.386	6.5	95	0.00	13.55
97	1,2-Dichlorobenzene	40.000	42.882	-7.2	109	0.00	13.74
98	1,2-Dibromo-3-Chloropropa	40.000	42.798	-7.0	109	0.00	14.48
	----------	AvgRF	CCRF	%Dev	----------		
99	Hexachlorobutadiene	0.656	0.785	-19.7	110	0.00	15.01
100	1,2,4-Trichlorobenzene	1.178	1.393	-18.3	108	0.00	15.06
	----------	Amount	Calc.	%Drift	----------		
101	Naphthalene	40.000	42.439	-6.1	105	0.00	15.36
102	1,2,3-Trichlorobenzene	40.000	41.739	-4.3	104	0.00	15.52
	----------	AvgRF	CCRF	%Dev	----------		
103 I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	100	0.00	5.38
	----------	Amount	Calc.	%Drift	----------		
104	Ethanol	800.000	787.245	1.6	107	-0.01	4.34
	----------	AvgRF	CCRF	%Dev	----------		
105	acrolein	1.431	1.310	8.5	95	0.00	4.83
106	Tert Butyl Alcohol	1.481	1.514	-2.2	102	0.00	5.46
107	tert Amyl alcohol	1.163	1.292	-11.1	109	0.00	7.68
108	Isobutyl alcohol	0.177	0.174	1.7	102	0.00	7.48
	----------	Amount	Calc.	%Drift	----------		
109	1,4-Dioxane	800.000	844.098	-5.5	109	0.00	8.77

(#) = Out of Range SPCC's out = 0 CCC's out = 0
J074052.D 8260-japp9.m Fri Apr 20 11:01:37 2012

Continuing Calibration Summary

Job Number: F92428 **Sample:** VJ3934-CC3923
Account: URSNCM URS Corporation **Lab FileID:** J074280.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Evaluate Continuing Calibration Report

```
Data File : C:\MSDchem\1\DATA\042712\J074280.D          Vial: 1
Acq On    : 27 Apr 2012  11:09 am                   Operator: MELISSAM
Sample    : cc3923-4                                Inst    : MSVOA6
Misc      : MS20657,VJ3934,,,,,                     Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\MSDchem\1\METHODS\8260-japp9.m (RTE Integrator)
Title        : SW-846 Method 5030B/8260B & EPA 624
Last Update  : Fri Apr 20 10:14:21 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	104	0.00	7.85
		Amount	Calc.	%Drift			
2	Dichlorodifluoromethane	40.000	37.784	5.5	93	0.00	2.68
3 P	Chloromethane	40.000	37.880	5.3	99	0.00	2.90
4 C	Vinyl Chloride	40.000	38.235	4.4	99	0.00	3.05
5	Bromomethane	40.000	40.115	-0.3	101	0.00	3.49
6	Chloroethane	40.000	40.569	-1.4	103	0.00	3.65
7	Trichlorofluoromethane	40.000	39.827	0.4	104	0.00	3.87
		AvgRF	CCRF	%Dev			
8	Ethyl Ether	0.399	0.391	2.0	96	0.00	4.17
9	1,2-Dichlorotrifluoroetha	0.445	0.429	3.6	93	0.00	4.42
		Amount	Calc.	%Drift			
10 C	1,1-Dichloroethene	40.000	35.253	11.9	92	0.00	4.45
		AvgRF	CCRF	%Dev			
11	Freon 113	0.318	0.302	5.0	91	0.00	4.51
12	Carbon Disulfide	1.050	0.966	8.0	88	0.00	4.53
13	Iodomethane	0.488	0.479	1.8	94	0.00	4.65
		Amount	Calc.	%Drift			
14	Allyl chloride	40.000	39.058	2.4	102	0.00	4.99
15	Methylene Chloride	40.000	38.503	3.7	93	0.00	5.12
16	Acetone	200.000	214.272	-7.1	116	0.00	5.15
		AvgRF	CCRF	%Dev			
17	Methyl acetate	0.053	0.056	-5.7	101	0.00	5.27
18	trans-1,2-Dichloroethene	0.628	0.587	6.5	92	0.00	5.30
19	Hexane	0.449	0.413	8.0	89	0.00	5.36
20	Methyl Tert Butyl Ether	0.993	0.961	3.2	93	0.00	5.41
		Amount	Calc.	%Drift			
21	Acetonitrile	400.000	287.761	28.1#	77	0.00	5.37
		AvgRF	CCRF	%Dev			
22	Di-isopropyl ether	1.760	1.716	2.5	94	0.00	5.79
		Amount	Calc.	%Drift			
23	Chloroprene	40.000	39.017	2.5	101	0.00	5.96

Continuing Calibration Summary

Job Number: F92428 **Sample:** VJ3934-CC3923
Account: URSNCM URS Corporation **Lab FileID:** J074280.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

			AvgRF	CCRF	%Dev			
24	P	1,1-Dichloroethane	0.707	0.690	2.4	95	0.00	5.99
25		Acrylonitrile	0.177	0.190	-7.3	107	0.00	6.03
26		ETBE	1.421	1.406	1.1	96	0.00	6.20
27		Vinyl acetate	0.810	0.839	-3.6	100	0.00	6.20
28		cis-1,2-Dichloroethene	0.335	0.325	3.0	95	0.00	6.56
			Amount	Calc.	%Drift			
29		2,2-Dichloropropane	40.000	35.390	11.5	93	0.00	6.70
			AvgRF	CCRF	%Dev			
30		Bromochloromethane	0.157	0.151	3.8	95	0.00	6.78
31		Cyclohexane	0.847	0.826	2.5	94	0.00	6.81
32	C	Chloroform	0.557	0.523	6.1	92	0.00	6.83
33		Ethyl acetate	0.386	0.298	22.8#	75	0.00	6.90
34		Tetrahydrofuran	0.152	0.134	11.8	92	0.00	7.00
35	S	Dibromofluoromethane	0.251	0.242	3.6	102	0.00	7.02
36		Carbon Tetrachloride	0.366	0.363	0.8	94	0.00	7.02
37		1,1,1-Trichloroethane	0.441	0.428	2.9	94	0.00	7.08
38		2-Butanone	0.246	0.244	0.8	93	0.00	7.12
39		1,1-Dichloropropene	0.430	0.415	3.5	92	0.00	7.19
40		Propionitrile	0.061	0.064	-4.9	98	0.00	7.45
41		Methacrylonitrile	0.245	0.254	-3.7	97	0.00	7.47
42		Benzene	1.237	1.220	1.4	95	0.00	7.45
43		TAME	0.980	0.982	-0.2	95	0.00	7.52
44	S	1,2-Dichloroethane-d4	0.373	0.347	7.0	99	0.00	7.58
45		1,2-Dichloroethane	0.514	0.476	7.4	89	0.00	7.65
			Amount	Calc.	%Drift			
46		Trichloroethene	40.000	36.529	8.7	97	0.00	8.02
			AvgRF	CCRF	%Dev			
47		Methylcyclohexane	0.575	0.585	-1.7	97	0.00	8.04
48		Dibromomethane	0.186	0.178	4.3	91	0.00	8.46
49	C	1,2-Dichloropropane	0.411	0.409	0.5	97	0.00	8.55
50		Bromodichloromethane	0.393	0.382	2.8	94	0.00	8.59
			Amount	Calc.	%Drift			
51		Methyl methacrylate	40.000	37.957	5.1	100	0.00	8.69
52		2-Chloroethyl vinyl ether	200.000	184.900	7.5	97	0.00	9.11
			AvgRF	CCRF	%Dev			
53		cis-1,3-Dichloropropene	0.502	0.524	-4.4	99	0.00	9.20
54	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00	10.94
55	S	Toluene-d8	1.316	1.314	0.2	104	0.00	9.40
			Amount	Calc.	%Drift			
56	C	Toluene	40.000	36.086	9.8	96	0.00	9.45
57		2-Nitropropane	200.000	177.724	11.1	93	0.00	9.67
			AvgRF	CCRF	%Dev			
58		4-Methyl-2-pentanone	0.604	0.574	5.0	93	0.00	9.78
			Amount	Calc.	%Drift			
59		trans-1,3-Dichloropropene	40.000	36.689	8.3	98	0.00	9.84
			AvgRF	CCRF	%Dev			
60		Tetrachloroethene	0.430	0.431	-0.2	101	0.00	9.84

Continuing Calibration Summary

Job Number: F92428 **Sample:** VJ3934-CC3923
Account: URSNCM URS Corporation **Lab FileID:** J074280.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

			Amount	Calc.	%Drift			
61		Ethyl methacrylate	40.000	38.803	3.0	103	0.00	9.94
			AvgRF	CCRF	%Dev			
62		1,1,2-Trichloroethane	0.335	0.330	1.5	94	0.00	10.01
63		Dibromochloromethane	0.388	0.383	1.3	96	0.00	10.20
64		1,3-Dichloropropane	0.716	0.687	4.1	95	0.00	10.29
65		1,2-Dibromoethane	0.409	0.409	0.0	98	0.00	10.46
66		2-hexanone	0.402	0.402	0.0	98	0.00	10.60
67		1-Chlorohexane	0.623	0.634	-1.8	99	0.00	10.89
			Amount	Calc.	%Drift			
68	C	Ethylbenzene	40.000	36.705	8.2	98	0.00	10.96
69	P	Chlorobenzene	40.000	38.670	3.3	97	0.00	10.97
			AvgRF	CCRF	%Dev			
70		1,1,1,2-Tetrachloroethane	0.381	0.393	-3.1	98	0.00	11.02
			Amount	Calc.	%Drift			
71		m,p-Xylene	80.000	72.852	8.9	97	0.00	11.10
72		o-Xylene	40.000	36.620	8.5	96	0.00	11.54
73		Styrene	40.000	38.775	3.1	100	0.00	11.59
74	P	Bromoform	40.000	37.492	6.3	99	0.00	11.65
75		Isopropylbenzene	40.000	37.587	6.0	100	0.00	11.84
			AvgRF	CCRF	%Dev			
76	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00	13.30
77	S	4-Bromofluorobenzene	0.969	0.945	2.5	106	0.00	12.15
			Amount	Calc.	%Drift			
78		cis-1,4-Dichloro-2-butene	40.000	35.780	10.5	97	0.00	12.20
			AvgRF	CCRF	%Dev			
79		n-Propylbenzene	4.155	4.120	0.8	98	0.00	12.26
80		Bromobenzene	0.928	0.904	2.6	102	0.00	12.29
81	P	1,1,2,2-Tetrachloroethane	0.979	0.945	3.5	98	0.00	12.32
82		1,3,5-Trimethylbenzene	3.046	3.052	-0.2	98	0.00	12.45
83		2-Chlorotoluene	2.757	2.714	1.6	97	0.00	12.45
			Amount	Calc.	%Drift			
84		trans-1,4-Dichloro-2-Bute	40.000	35.061	12.3	94	0.00	12.51
			AvgRF	CCRF	%Dev			
85		1,2,3-Trichloropropane	0.261	0.250	4.2	97	0.00	12.49
86		Cyclohexanone	0.040	0.039	2.5	97	0.00	12.56
87		4-Chlorotoluene	2.618	2.605	0.5	98	0.00	12.62
88		tert-Butylbenzene	1.705	1.694	0.6	98	0.00	12.79
89		1,2,4-Trimethylbenzene	3.045	3.092	-1.5	98	0.00	12.86
			Amount	Calc.	%Drift			
90		Pentachloroethane	40.000	37.780	5.5	104	0.00	12.84
			AvgRF	CCRF	%Dev			
91		sec-Butylbenzene	3.862	3.950	-2.3	99	0.00	12.98
			Amount	Calc.	%Drift			
92		4-Isopropyltoluene	40.000	36.811	8.0	99	0.00	13.11
93		1,3-Dichlorobenzene	40.000	36.928	7.7	99	0.00	13.24
94		1,4-Dichlorobenzene	40.000	36.821	7.9	99	0.00	13.32

Continuing Calibration Summary

Job Number: F92428 **Sample:** VJ3934-CC3923
Account: URSNCM URS Corporation **Lab FileID:** J074280.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

95	n-Butylbenzene	40.000	36.119	9.7	97	0.00	13.54
96	Benzyl Chloride	40.000	37.587	6.0	101	0.00	13.55
97	1,2-Dichlorobenzene	40.000	37.551	6.1	101	0.00	13.74
98	1,2-Dibromo-3-Chloropropa	40.000	32.170	19.6	86	0.00	14.48
	----------	AvgRF	CCRF	%Dev	----------		
99	Hexachlorobutadiene	0.656	0.696	-6.1	103	0.00	15.01
100	1,2,4-Trichlorobenzene	1.178	1.233	-4.7	101	0.00	15.06
	----------	Amount	Calc.	%Drift	----------		
101	Naphthalene	40.000	34.710	13.2	92	0.00	15.35
102	1,2,3-Trichlorobenzene	40.000	36.287	9.3	96	0.00	15.52
	----------	AvgRF	CCRF	%Dev	----------		
103 I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	98	0.00	5.38
	----------	Amount	Calc.	%Drift	----------		
104	Ethanol	800.000	776.705	2.9	104	-0.01	4.34
	----------	AvgRF	CCRF	%Dev	----------		
105	acrolein	1.431	1.132	20.9#	80	0.00	4.83
106	Tert Butyl Alcohol	1.481	1.403	5.3	92	0.00	5.46
107	tert Amyl alcohol	1.163	1.179	-1.4	97	0.00	7.67
108	Isobutyl alcohol	0.177	0.171	3.4	98	0.00	7.47
	----------	Amount	Calc.	%Drift	----------		
109	1,4-Dioxane	800.000	724.266	9.5	91	0.00	8.77

(#) = Out of Range SPCC's out = 0 CCC's out = 0
J074052.D 8260-japp9.m Fri Apr 27 14:39:06 2012

Continuing Calibration Summary

Job Number: F92428 **Sample:** VJ3936-CC3923
Account: URSNCM URS Corporation **Lab FileID:** J074308.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Evaluate Continuing Calibration Report

```
Data File : C:\MSDchem\1\DATA\042812\J074308.D          Vial: 1
Acq On    : 28 Apr 2012   9:18 am                   Operator: MELISSAM
Sample    : cc3923-4                                Inst    : MSVOA6
Misc      : MS20657,VJ3936,,,,,                     Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\MSDchem\1\METHODS\8260-japp9.m (RTE Integrator)
Title        : SW-846 Method 5030B/8260B & EPA 624
Last Update  : Fri Apr 20 10:14:21 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00	7.85
		Amount	Calc.	%Drift			
2	Dichlorodifluoromethane	40.000	41.740	-4.4	99	0.00	2.68
3 P	Chloromethane	40.000	40.478	-1.2	102	0.00	2.91
4 C	Vinyl Chloride	40.000	41.684	-4.2	104	0.00	3.05
5	Bromomethane	40.000	43.737	-9.3	105	0.00	3.49
6	Chloroethane	40.000	44.779	-11.9	108	0.00	3.65
7	Trichlorofluoromethane	40.000	44.597	-11.5	112	0.00	3.87
		AvgRF	CCRF	%Dev			
8	Ethyl Ether	0.399	0.396	0.8	94	0.00	4.17
9	1,2-Dichlorotrifluoroetha	0.445	0.452	-1.6	95	0.01	4.42
		Amount	Calc.	%Drift			
10 C	1,1-Dichloroethene	40.000	36.755	8.1	92	0.00	4.45
		AvgRF	CCRF	%Dev			
11	Freon 113	0.318	0.324	-1.9	94	0.00	4.51
12	Carbon Disulfide	1.050	1.019	3.0	90	0.00	4.53
13	Iodomethane	0.488	0.500	-2.5	95	0.00	4.65
		Amount	Calc.	%Drift			
14	Allyl chloride	40.000	39.991	0.0	101	0.00	4.99
15	Methylene Chloride	40.000	39.099	2.3	91	0.00	5.12
16	Acetone	200.000	244.444	-22.2#	128	0.00	5.15
		AvgRF	CCRF	%Dev			
17	Methyl acetate	0.053	0.054	-1.9	94	0.00	5.27
18	trans-1,2-Dichloroethene	0.628	0.611	2.7	92	0.00	5.30
19	Hexane	0.449	0.435	3.1	90	0.00	5.36
20	Methyl Tert Butyl Ether	0.993	1.015	-2.2	95	0.00	5.41
		Amount	Calc.	%Drift			
21	Acetonitrile	400.000	347.902	13.0	87	0.00	5.37
		AvgRF	CCRF	%Dev			
22	Di-isopropyl ether	1.760	1.782	-1.3	94	0.00	5.80
		Amount	Calc.	%Drift			
23	Chloroprene	40.000	40.581	-1.5	102	0.00	5.95

Continuing Calibration Summary

Job Number: F92428 **Sample:** VJ3936-CC3923
Account: URSNCM URS Corporation **Lab FileID:** J074308.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

			AvgRF	CCRF	%Dev			
24	P	1,1-Dichloroethane	0.707	0.721	-2.0	95	0.00	5.99
25		Acrylonitrile	0.177	0.195	-10.2	106	0.00	6.03
26		ETBE	1.421	1.440	-1.3	95	0.00	6.20
27		Vinyl acetate	0.810	0.869	-7.3	100	0.00	6.20
28		cis-1,2-Dichloroethene	0.335	0.335	0.0	95	0.00	6.56
			Amount	Calc.	%Drift			
29		2,2-Dichloropropane	40.000	38.003	5.0	96	0.00	6.70
			AvgRF	CCRF	%Dev			
30		Bromochloromethane	0.157	0.159	-1.3	96	0.00	6.78
31		Cyclohexane	0.847	0.864	-2.0	95	0.00	6.81
32	C	Chloroform	0.557	0.552	0.9	93	0.00	6.83
33		Ethyl acetate	0.386	0.421	-9.1	102	0.00	6.90
34		Tetrahydrofuran	0.152	0.147	3.3	97	0.00	7.00
35	S	Dibromofluoromethane	0.251	0.242	3.6	98	0.00	7.02
36		Carbon Tetrachloride	0.366	0.389	-6.3	98	0.00	7.02
37		1,1,1-Trichloroethane	0.441	0.456	-3.4	96	0.00	7.09
38		2-Butanone	0.246	0.212	13.8	78	0.00	7.12
39		1,1-Dichloropropene	0.430	0.439	-2.1	94	0.00	7.19
40		Propionitrile	0.061	0.067	-9.8	98	0.00	7.45
41		Methacrylonitrile	0.245	0.264	-7.8	97	0.00	7.47
42		Benzene	1.237	1.240	-0.2	93	0.00	7.45
43		TAME	0.980	1.014	-3.5	95	0.00	7.52
44	S	1,2-Dichloroethane-d4	0.373	0.350	6.2	96	0.00	7.58
45		1,2-Dichloroethane	0.514	0.506	1.6	91	0.00	7.65
			Amount	Calc.	%Drift			
46		Trichloroethene	40.000	37.134	7.2	95	0.00	8.02
			AvgRF	CCRF	%Dev			
47		Methylcyclohexane	0.575	0.608	-5.7	97	0.00	8.04
48		Dibromomethane	0.186	0.188	-1.1	93	0.00	8.46
49	C	1,2-Dichloropropane	0.411	0.418	-1.7	95	0.00	8.55
50		Bromodichloromethane	0.393	0.396	-0.8	94	0.00	8.59
			Amount	Calc.	%Drift			
51		Methyl methacrylate	40.000	38.806	3.0	98	0.00	8.69
52		2-Chloroethyl vinyl ether	200.000	194.001	3.0	97	0.00	9.11
			AvgRF	CCRF	%Dev			
53		cis-1,3-Dichloropropene	0.502	0.528	-5.2	96	0.00	9.21
54	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00	10.94
55	S	Toluene-d8	1.316	1.330	-1.1	100	0.00	9.40
			Amount	Calc.	%Drift			
56	C	Toluene	40.000	37.865	5.3	96	0.00	9.45
57		2-Nitropropane	200.000	192.963	3.5	96	0.00	9.67
			AvgRF	CCRF	%Dev			
58		4-Methyl-2-pentanone	0.604	0.610	-1.0	94	0.00	9.78
			Amount	Calc.	%Drift			
59		trans-1,3-Dichloropropene	40.000	38.182	4.5	97	0.00	9.84
			AvgRF	CCRF	%Dev			
60		Tetrachloroethene	0.430	0.448	-4.2	100	0.00	9.84

Continuing Calibration Summary

Job Number: F92428 **Sample:** VJ3936-CC3923
Account: URSNCM URS Corporation **Lab FileID:** J074308.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

			Amount	Calc.	%Drift			
61		Ethyl methacrylate	40.000	40.140	-0.4	102	0.00	9.94
			AvgRF	CCRF	%Dev			
62		1,1,2-Trichloroethane	0.335	0.354	-5.7	96	0.00	10.01
63		Dibromochloromethane	0.388	0.410	-5.7	98	0.00	10.20
64		1,3-Dichloropropane	0.716	0.721	-0.7	96	0.00	10.29
65		1,2-Dibromoethane	0.409	0.424	-3.7	97	0.00	10.46
66		2-hexanone	0.402	0.424	-5.5	99	0.00	10.60
67		1-Chlorohexane	0.623	0.652	-4.7	97	0.00	10.89
			Amount	Calc.	%Drift			
68	C	Ethylbenzene	40.000	38.103	4.7	97	0.00	10.96
69	P	Chlorobenzene	40.000	40.465	-1.2	97	0.00	10.97
			AvgRF	CCRF	%Dev			
70		1,1,1,2-Tetrachloroethane	0.381	0.411	-7.9	98	0.00	11.02
			Amount	Calc.	%Drift			
71		m,p-Xylene	80.000	75.554	5.6	96	0.00	11.10
72		o-Xylene	40.000	38.116	4.7	96	0.00	11.54
73		Styrene	40.000	39.635	0.9	98	0.00	11.59
74	P	Bromoform	40.000	39.551	1.1	100	0.00	11.65
75		Isopropylbenzene	40.000	38.594	3.5	98	0.00	11.84
			AvgRF	CCRF	%Dev			
76	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	13.30
77	S	4-Bromofluorobenzene	0.969	0.965	0.4	103	0.00	12.15
			Amount	Calc.	%Drift			
78		cis-1,4-Dichloro-2-butene	40.000	38.512	3.7	100	0.00	12.20
			AvgRF	CCRF	%Dev			
79		n-Propylbenzene	4.155	4.246	-2.2	96	0.00	12.26
80		Bromobenzene	0.928	0.937	-1.0	101	0.00	12.29
81	P	1,1,2,2-Tetrachloroethane	0.979	0.990	-1.1	98	0.00	12.32
82		1,3,5-Trimethylbenzene	3.046	3.199	-5.0	99	0.00	12.45
83		2-Chlorotoluene	2.757	2.829	-2.6	97	0.00	12.45
			Amount	Calc.	%Drift			
84		trans-1,4-Dichloro-2-Bute	40.000	37.071	7.3	95	0.00	12.51
			AvgRF	CCRF	%Dev			
85		1,2,3-Trichloropropane	0.261	0.264	-1.1	97	0.00	12.49
86		Cyclohexanone	0.040	0.041	-2.5	98	0.00	12.56
87		4-Chlorotoluene	2.618	2.676	-2.2	97	0.00	12.62
88		tert-Butylbenzene	1.705	1.758	-3.1	97	0.00	12.79
89		1,2,4-Trimethylbenzene	3.045	3.214	-5.6	98	0.00	12.86
			Amount	Calc.	%Drift			
90		Pentachloroethane	40.000	40.706	-1.8	107	0.00	12.84
			AvgRF	CCRF	%Dev			
91		sec-Butylbenzene	3.862	4.110	-6.4	99	0.00	12.98
			Amount	Calc.	%Drift			
92		4-Isopropyltoluene	40.000	38.606	3.5	99	0.00	13.10
93		1,3-Dichlorobenzene	40.000	37.390	6.5	96	0.00	13.24
94		1,4-Dichlorobenzene	40.000	38.623	3.4	99	0.00	13.32

Continuing Calibration Summary

Job Number: F92428 **Sample:** VJ3936-CC3923
Account: URSNCM URS Corporation **Lab FileID:** J074308.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

95	n-Butylbenzene	40.000	37.702	5.7	96	0.00	13.54
96	Benzyl Chloride	40.000	37.772	5.6	97	0.00	13.55
97	1,2-Dichlorobenzene	40.000	38.679	3.3	99	0.00	13.74
98	1,2-Dibromo-3-Chloropropa	40.000	37.111	7.2	95	0.00	14.48
	----------	AvgRF	CCRF	%Dev	----------		
99	Hexachlorobutadiene	0.656	0.725	-10.5	102	0.00	15.01
100	1,2,4-Trichlorobenzene	1.178	1.263	-7.2	99	0.00	15.06
	----------	Amount	Calc.	%Drift	----------		
101	Naphthalene	40.000	37.271	6.8	94	0.00	15.35
102	1,2,3-Trichlorobenzene	40.000	38.095	4.8	96	0.00	15.52
	----------	AvgRF	CCRF	%Dev	----------		
103 I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	97	0.00	5.38
	----------	Amount	Calc.	%Drift	----------		
104	Ethanol	800.000	796.482	0.4	105	0.00	4.34
	----------	AvgRF	CCRF	%Dev	----------		
105	acrolein	1.431	1.098	23.3#	77	0.00	4.83
106	Tert Butyl Alcohol	1.481	1.508	-1.8	98	0.00	5.46
107	tert Amyl alcohol	1.163	1.211	-4.1	99	0.00	7.67
108	Isobutyl alcohol	0.177	0.167	5.6	94	0.00	7.47
	----------	Amount	Calc.	%Drift	----------		
109	1,4-Dioxane	800.000	770.109	3.7	96	0.00	8.77

(#) = Out of Range SPCC's out = 0 CCC's out = 0
J074052.D 8260-japp9.m Mon Apr 30 09:51:14 2012

Continuing Calibration Summary

Job Number: F92428 **Sample:** VJ3941-CC3923
Account: URSNCM URS Corporation **Lab FileID:** J074365.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Evaluate Continuing Calibration Report

```
Data File : C:\MSDchem\1\DATA\043012\J074365.D          Vial: 1
Acq On    : 30 Apr 2012   9:15 am                   Operator: MELISSAM
Sample    : cc3923-4                                Inst    : MSVOA6
Misc      : MS20657,VJ3941,,,,,                     Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\MSDchem\1\METHODS\8260-japp9.m (RTE Integrator)
Title        : SW-846 Method 5030B/8260B & EPA 624
Last Update  : Fri Apr 20 10:14:21 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	101	0.00	7.85
		Amount	Calc.	%Drift			
2	Dichlorodifluoromethane	40.000	38.890	2.8	93	0.00	2.67
3 P	Chloromethane	40.000	37.711	5.7	96	0.00	2.90
4 C	Vinyl Chloride	40.000	39.788	0.5	100	0.00	3.05
5	Bromomethane	40.000	40.350	-0.9	99	0.00	3.49
6	Chloroethane	40.000	41.917	-4.8	103	0.00	3.65
7	Trichlorofluoromethane	40.000	41.365	-3.4	104	-0.01	3.86
		AvgRF	CCRF	%Dev			
8	Ethyl Ether	0.399	0.384	3.8	91	0.00	4.17
9	1,2-Dichlorotrifluoroetha	0.445	0.441	0.9	93	0.00	4.42
		Amount	Calc.	%Drift			
10 C	1,1-Dichloroethene	40.000	35.922	10.2	91	0.00	4.45
		AvgRF	CCRF	%Dev			
11	Freon 113	0.318	0.312	1.9	91	0.00	4.51
12	Carbon Disulfide	1.050	0.963	8.3	85	0.00	4.53
13	Iodomethane	0.488	0.482	1.2	92	0.00	4.65
		Amount	Calc.	%Drift			
14	Allyl chloride	40.000	39.893	0.3	101	0.00	4.99
15	Methylene Chloride	40.000	38.122	4.7	89	0.00	5.12
16	Acetone	200.000	242.440	-21.2#	127	0.00	5.15
		AvgRF	CCRF	%Dev			
17	Methyl acetate	0.053	0.051	3.8	90	0.00	5.27
18	trans-1,2-Dichloroethene	0.628	0.602	4.1	91	0.00	5.30
19	Hexane	0.449	0.424	5.6	88	0.00	5.36
20	Methyl Tert Butyl Ether	0.993	0.981	1.2	92	-0.01	5.40
		Amount	Calc.	%Drift			
21	Acetonitrile	400.000	320.906	19.8	82	-0.02	5.36
		AvgRF	CCRF	%Dev			
22	Di-isopropyl ether	1.760	1.727	1.9	92	0.00	5.79
		Amount	Calc.	%Drift			
23	Chloroprene	40.000	40.217	-0.5	101	0.00	5.95

Continuing Calibration Summary

Job Number: F92428 **Sample:** VJ3941-CC3923
Account: URSNCM URS Corporation **Lab FileID:** J074365.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

			AvgRF	CCRF	%Dev			
24	P	1,1-Dichloroethane	0.707	0.704	0.4	93	0.00	5.99
25		Acrylonitrile	0.177	0.195	-10.2	107	0.00	6.03
26		ETBE	1.421	1.410	0.8	93	0.00	6.19
27		Vinyl acetate	0.810	0.858	-5.9	99	0.00	6.20
28		cis-1,2-Dichloroethene	0.335	0.335	0.0	95	0.00	6.56
			Amount	Calc.	%Drift			
29		2,2-Dichloropropane	40.000	38.036	4.9	97	0.00	6.70
			AvgRF	CCRF	%Dev			
30		Bromochloromethane	0.157	0.163	-3.8	99	0.00	6.78
31		Cyclohexane	0.847	0.829	2.1	91	0.00	6.81
32	C	Chloroform	0.557	0.554	0.5	94	0.00	6.83
33		Ethyl acetate	0.386	0.404	-4.7	99	0.00	6.90
34		Tetrahydrofuran	0.152	0.138	9.2	91	0.00	7.00
35	S	Dibromofluoromethane	0.251	0.252	-0.4	103	0.00	7.02
36		Carbon Tetrachloride	0.366	0.393	-7.4	99	0.00	7.02
37		1,1,1-Trichloroethane	0.441	0.458	-3.9	97	0.00	7.08
38		2-Butanone	0.246	0.231	6.1	85	0.00	7.12
39		1,1-Dichloropropene	0.430	0.434	-0.9	93	0.00	7.19
40		Propionitrile	0.061	0.067	-9.8	98	0.00	7.45
41		Methacrylonitrile	0.245	0.260	-6.1	96	0.00	7.47
42		Benzene	1.237	1.233	0.3	93	0.00	7.45
43		TAME	0.980	0.980	0.0	92	0.00	7.52
44	S	1,2-Dichloroethane-d4	0.373	0.356	4.6	98	0.00	7.58
45		1,2-Dichloroethane	0.514	0.504	1.9	91	0.00	7.65
			Amount	Calc.	%Drift			
46		Trichloroethene	40.000	36.799	8.0	95	0.00	8.02
			AvgRF	CCRF	%Dev			
47		Methylcyclohexane	0.575	0.597	-3.8	96	0.00	8.04
48		Dibromomethane	0.186	0.187	-0.5	93	0.00	8.46
49	C	1,2-Dichloropropane	0.411	0.405	1.5	93	0.00	8.55
50		Bromodichloromethane	0.393	0.398	-1.3	95	0.00	8.59
			Amount	Calc.	%Drift			
51		Methyl methacrylate	40.000	38.148	4.6	97	0.00	8.69
52		2-Chloroethyl vinyl ether	200.000	186.064	7.0	94	0.00	9.11
			AvgRF	CCRF	%Dev			
53		cis-1,3-Dichloropropene	0.502	0.516	-2.8	94	0.00	9.21
54	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00	10.94
55	S	Toluene-d8	1.316	1.323	-0.5	100	0.00	9.40
			Amount	Calc.	%Drift			
56	C	Toluene	40.000	37.058	7.4	94	0.00	9.45
57		2-Nitropropane	200.000	187.624	6.2	94	0.00	9.67
			AvgRF	CCRF	%Dev			
58		4-Methyl-2-pentanone	0.604	0.598	1.0	92	0.00	9.78
			Amount	Calc.	%Drift			
59		trans-1,3-Dichloropropene	40.000	37.052	7.4	95	0.00	9.84
			AvgRF	CCRF	%Dev			
60		Tetrachloroethene	0.430	0.436	-1.4	98	0.00	9.84

Continuing Calibration Summary

Job Number: F92428 **Sample:** VJ3941-CC3923
Account: URSNCM URS Corporation **Lab FileID:** J074365.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

			Amount	Calc.	%Drift			
61		Ethyl methacrylate	40.000	39.425	1.4	100	0.00	9.94

			AvgRF	CCRF	%Dev			
62		1,1,2-Trichloroethane	0.335	0.343	-2.4	94	0.00	10.01
63		Dibromochloromethane	0.388	0.405	-4.4	97	0.00	10.20
64		1,3-Dichloropropane	0.716	0.696	2.8	92	0.00	10.29
65		1,2-Dibromoethane	0.409	0.414	-1.2	95	0.00	10.46
66		2-hexanone	0.402	0.410	-2.0	96	0.00	10.60
67		1-Chlorohexane	0.623	0.639	-2.6	95	0.00	10.89

			Amount	Calc.	%Drift			
68	C	Ethylbenzene	40.000	37.179	7.1	95	0.00	10.96
69	P	Chlorobenzene	40.000	39.864	0.3	96	0.00	10.96

			AvgRF	CCRF	%Dev			
70		1,1,1,2-Tetrachloroethane	0.381	0.407	-6.8	97	0.00	11.02

			Amount	Calc.	%Drift			
71		m,p-Xylene	80.000	74.514	6.9	95	0.00	11.10
72		o-Xylene	40.000	37.679	5.8	95	0.00	11.54
73		Styrene	40.000	38.968	2.6	97	0.00	11.59
74	P	Bromoform	40.000	39.901	0.2	101	0.00	11.65
75		Isopropylbenzene	40.000	38.096	4.8	97	0.00	11.84

			AvgRF	CCRF	%Dev			
76	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	13.30
77	S	4-Bromofluorobenzene	0.969	0.943	2.7	100	0.00	12.15

			Amount	Calc.	%Drift			
78		cis-1,4-Dichloro-2-butene	40.000	36.110	9.7	93	0.00	12.20

			AvgRF	CCRF	%Dev			
79		n-Propylbenzene	4.155	4.237	-2.0	95	0.00	12.26
80		Bromobenzene	0.928	0.922	0.6	99	0.00	12.29
81	P	1,1,2,2-Tetrachloroethane	0.979	0.970	0.9	96	0.00	12.32
82		1,3,5-Trimethylbenzene	3.046	3.152	-3.5	96	0.00	12.45
83		2-Chlorotoluene	2.757	2.825	-2.5	96	0.00	12.45

			Amount	Calc.	%Drift			
84		trans-1,4-Dichloro-2-Bute	40.000	34.995	12.5	89	0.00	12.51

			AvgRF	CCRF	%Dev			
85		1,2,3-Trichloropropane	0.261	0.256	1.9	94	0.00	12.49
86		Cyclohexanone	0.040	0.041	-2.5	98	0.00	12.56
87		4-Chlorotoluene	2.618	2.656	-1.5	95	0.00	12.62
88		tert-Butylbenzene	1.705	1.752	-2.8	96	0.00	12.79
89		1,2,4-Trimethylbenzene	3.045	3.185	-4.6	96	0.00	12.86

			Amount	Calc.	%Drift			
90		Pentachloroethane	40.000	41.040	-2.6	107	0.00	12.84

			AvgRF	CCRF	%Dev			
91		sec-Butylbenzene	3.862	4.169	-7.9	100	0.00	12.98

			Amount	Calc.	%Drift			
92		4-Isopropyltoluene	40.000	38.183	4.5	98	0.00	13.10
93		1,3-Dichlorobenzene	40.000	37.536	6.2	96	0.00	13.24
94		1,4-Dichlorobenzene	40.000	38.320	4.2	98	0.00	13.32

Continuing Calibration Summary

Job Number: F92428 **Sample:** VJ3941-CC3923
Account: URSNCM URS Corporation **Lab FileID:** J074365.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

95	n-Butylbenzene	40.000	37.760	5.6	96	0.00	13.54
96	Benzyl Chloride	40.000	38.545	3.6	98	0.00	13.55
97	1,2-Dichlorobenzene	40.000	38.273	4.3	98	0.00	13.74
98	1,2-Dibromo-3-Chloropropa	40.000	37.157	7.1	94	0.00	14.48
	----------	AvgRF	CCRF	%Dev	----------		
99	Hexachlorobutadiene	0.656	0.730	-11.3	102	0.00	15.01
100	1,2,4-Trichlorobenzene	1.178	1.260	-7.0	98	0.00	15.06
	----------	Amount	Calc.	%Drift	----------		
101	Naphthalene	40.000	36.823	7.9	92	0.00	15.35
102	1,2,3-Trichlorobenzene	40.000	38.383	4.0	96	0.00	15.52
	----------	AvgRF	CCRF	%Dev	----------		
103 I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	96	0.00	5.37
	----------	Amount	Calc.	%Drift	----------		
104	Ethanol	800.000	726.462	9.2	95	-0.02	4.32
	----------	AvgRF	CCRF	%Dev	----------		
105	acrolein	1.431	1.092	23.7#	75	0.00	4.82
106	Tert Butyl Alcohol	1.481	1.429	3.5	92	0.00	5.46
107	tert Amyl alcohol	1.163	1.175	-1.0	94	0.00	7.67
108	Isobutyl alcohol	0.177	0.172	2.8	96	0.00	7.47
	----------	Amount	Calc.	%Drift	----------		
109	1,4-Dioxane	800.000	713.301	10.8	88	0.00	8.77

(#) = Out of Range SPCC's out = 0 CCC's out = 0
J074052.D 8260-japp9.m Mon Apr 30 14:42:00 2012

Continuing Calibration Summary

Job Number: F92428 **Sample:** VJ3943-CC3923
Account: URSNCM URS Corporation **Lab FileID:** J074399.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Evaluate Continuing Calibration Report

```
Data File : C:\MSDchem\1\DATA\050112\J074399.D          Vial: 1
Acq On    :  1 May 2012  10:12 am                   Operator: MELISSAM
Sample    : cc3923-4                                Inst    : MSVOA6
Misc      : MS20657,VJ3943,,,,,                     Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\MSDchem\1\METHODS\8260-japp9.m (RTE Integrator)
Title        : SW-846 Method 5030B/8260B & EPA 624
Last Update  : Fri Apr 20 10:14:21 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	94	0.00	7.85
		Amount	Calc.	%Drift			
2	Dichlorodifluoromethane	40.000	35.304	11.7	79	0.01	2.68
3 P	Chloromethane	40.000	38.177	4.6	90	0.00	2.91
4 C	Vinyl Chloride	40.000	38.669	3.3	91	0.00	3.06
5	Bromomethane	40.000	41.735	-4.3	95	0.00	3.49
6	Chloroethane	40.000	43.349	-8.4	99	0.00	3.66
7	Trichlorofluoromethane	40.000	45.240	-13.1	106	0.00	3.87
		AvgRF	CCRF	%Dev			
8	Ethyl Ether	0.399	0.433	-8.5	96	0.00	4.17
9	1,2-Dichlorotrifluoroetha	0.445	0.507	-13.9	100	0.01	4.42
		Amount	Calc.	%Drift			
10 C	1,1-Dichloroethene	40.000	41.538	-3.8	97	0.00	4.46
		AvgRF	CCRF	%Dev			
11	Freon 113	0.318	0.380	-19.5	104	0.00	4.51
12	Carbon Disulfide	1.050	1.210	-15.2	100	0.00	4.53
13	Iodomethane	0.488	0.572	-17.2	102	0.00	4.65
		Amount	Calc.	%Drift			
14	Allyl chloride	40.000	38.788	3.0	92	0.00	5.00
15	Methylene Chloride	40.000	42.622	-6.6	93	0.00	5.12
16	Acetone	200.000	284.193	-42.1#	140	0.00	5.15
		AvgRF	CCRF	%Dev			
17	Methyl acetate	0.053	0.059	-11.3	97	0.00	5.27
18	trans-1,2-Dichloroethene	0.628	0.676	-7.6	96	0.00	5.30
19	Hexane	0.449	0.491	-9.4	96	0.00	5.36
20	Methyl Tert Butyl Ether	0.993	1.106	-11.4	97	0.00	5.41
		Amount	Calc.	%Drift			
21	Acetonitrile	400.000	391.602	2.1	91	0.00	5.37
		AvgRF	CCRF	%Dev			
22	Di-isopropyl ether	1.760	1.887	-7.2	94	0.00	5.80
		Amount	Calc.	%Drift			
23	Chloroprene	40.000	40.016	-0.0	94	0.00	5.95

Continuing Calibration Summary

Job Number: F92428 **Sample:** VJ3943-CC3923
Account: URSNCM URS Corporation **Lab FileID:** J074399.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

			AvgRF	CCRF	%Dev			
24	P	1,1-Dichloroethane	0.707	0.770	-8.9	95	0.00	5.99
25		Acrylonitrile	0.177	0.190	-7.3	97	0.00	6.03
26		ETBE	1.421	1.562	-9.9	96	0.00	6.20
27		Vinyl acetate	0.810	0.827	-2.1	89	0.00	6.20
28		cis-1,2-Dichloroethene	0.335	0.369	-10.1	98	0.00	6.56
			Amount	Calc.	%Drift			
29		2,2-Dichloropropane	40.000	40.867	-2.2	97	0.00	6.70
			AvgRF	CCRF	%Dev			
30		Bromochloromethane	0.157	0.177	-12.7	100	0.00	6.78
31		Cyclohexane	0.847	0.948	-11.9	97	0.00	6.82
32	C	Chloroform	0.557	0.604	-8.4	96	0.00	6.83
33		Ethyl acetate	0.386	0.395	-2.3	90	0.00	6.90
34		Tetrahydrofuran	0.152	0.150	1.3	93	0.00	7.01
35	S	Dibromofluoromethane	0.251	0.250	0.4	95	0.00	7.02
36		Carbon Tetrachloride	0.366	0.445	-21.6#	105	0.00	7.02
37		1,1,1-Trichloroethane	0.441	0.515	-16.8	102	0.00	7.09
38		2-Butanone	0.246	0.245	0.4	84	0.00	7.12
39		1,1-Dichloropropene	0.430	0.479	-11.4	96	0.00	7.19
40		Propionitrile	0.061	0.065	-6.6	90	0.00	7.45
41		Methacrylonitrile	0.245	0.263	-7.3	90	0.00	7.47
42		Benzene	1.237	1.339	-8.2	95	0.00	7.45
43		TAME	0.980	1.091	-11.3	96	0.00	7.52
44	S	1,2-Dichloroethane-d4	0.373	0.370	0.8	95	0.00	7.58
45		1,2-Dichloroethane	0.514	0.553	-7.6	94	0.00	7.65
			Amount	Calc.	%Drift			
46		Trichloroethene	40.000	40.164	-0.4	96	0.00	8.02
			AvgRF	CCRF	%Dev			
47		Methylcyclohexane	0.575	0.673	-17.0	101	0.00	8.04
48		Dibromomethane	0.186	0.199	-7.0	92	0.00	8.46
49	C	1,2-Dichloropropane	0.411	0.440	-7.1	94	0.00	8.55
50		Bromodichloromethane	0.393	0.438	-11.5	98	0.00	8.59
			Amount	Calc.	%Drift			
51		Methyl methacrylate	40.000	37.882	5.3	90	0.00	8.69
52		2-Chloroethyl vinyl ether	200.000	192.487	3.8	91	0.00	9.11
			AvgRF	CCRF	%Dev			
53		cis-1,3-Dichloropropene	0.502	0.563	-12.2	96	0.00	9.21
54	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00	10.94
55	S	Toluene-d8	1.316	1.322	-0.5	96	0.00	9.40
			Amount	Calc.	%Drift			
56	C	Toluene	40.000	40.056	-0.1	97	0.00	9.45
57		2-Nitropropane	200.000	204.483	-2.2	97	0.00	9.67
			AvgRF	CCRF	%Dev			
58		4-Methyl-2-pentanone	0.604	0.632	-4.6	93	0.00	9.78
			Amount	Calc.	%Drift			
59		trans-1,3-Dichloropropene	40.000	40.176	-0.4	98	0.00	9.84
			AvgRF	CCRF	%Dev			
60		Tetrachloroethene	0.430	0.471	-9.5	101	0.00	9.85

Continuing Calibration Summary

Job Number: F92428 **Sample:** VJ3943-CC3923
Account: URSNCM URS Corporation **Lab FileID:** J074399.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

			Amount	Calc.	%Drift			
61		Ethyl methacrylate	40.000	38.854	2.9	94	0.00	9.94
			AvgRF	CCRF	%Dev			
62		1,1,2-Trichloroethane	0.335	0.364	-8.7	95	0.00	10.01
63		Dibromochloromethane	0.388	0.443	-14.2	102	0.00	10.20
64		1,3-Dichloropropane	0.716	0.750	-4.7	95	0.00	10.29
65		1,2-Dibromoethane	0.409	0.445	-8.8	98	0.00	10.46
66		2-hexanone	0.402	0.444	-10.4	99	0.00	10.60
67		1-Chlorohexane	0.623	0.696	-11.7	99	0.00	10.89
			Amount	Calc.	%Drift			
68	C	Ethylbenzene	40.000	40.289	-0.7	98	0.00	10.96
69	P	Chlorobenzene	40.000	43.173	-7.9	99	0.00	10.97
			AvgRF	CCRF	%Dev			
70		1,1,1,2-Tetrachloroethane	0.381	0.438	-15.0	100	0.00	11.02
			Amount	Calc.	%Drift			
71		m,p-Xylene	80.000	80.048	-0.1	97	0.00	11.10
72		o-Xylene	40.000	40.013	-0.0	96	0.00	11.54
73		Styrene	40.000	42.093	-5.2	100	0.00	11.59
74	P	Bromoform	40.000	41.655	-4.1	101	0.00	11.65
75		Isopropylbenzene	40.000	40.776	-1.9	99	0.00	11.84
			AvgRF	CCRF	%Dev			
76	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00	13.30
77	S	4-Bromofluorobenzene	0.969	0.931	3.9	96	0.00	12.15
			Amount	Calc.	%Drift			
78		cis-1,4-Dichloro-2-butene	40.000	38.392	4.0	96	0.00	12.20
			AvgRF	CCRF	%Dev			
79		n-Propylbenzene	4.155	4.524	-8.9	99	0.00	12.26
80		Bromobenzene	0.928	1.002	-8.0	104	0.00	12.29
81	P	1,1,2,2-Tetrachloroethane	0.979	1.033	-5.5	99	0.00	12.32
82		1,3,5-Trimethylbenzene	3.046	3.371	-10.7	100	0.00	12.45
83		2-Chlorotoluene	2.757	2.989	-8.4	99	0.00	12.45
			Amount	Calc.	%Drift			
84		trans-1,4-Dichloro-2-Bute	40.000	38.405	4.0	94	0.00	12.51
			AvgRF	CCRF	%Dev			
85		1,2,3-Trichloropropane	0.261	0.289	-10.7	103	0.00	12.49
86		Cyclohexanone	0.040	0.036	10.0	84	0.00	12.56
87		4-Chlorotoluene	2.618	2.851	-8.9	99	0.00	12.62
88		tert-Butylbenzene	1.705	1.881	-10.3	100	0.00	12.79
89		1,2,4-Trimethylbenzene	3.045	3.428	-12.6	101	0.00	12.86
			Amount	Calc.	%Drift			
90		Pentachloroethane	40.000	39.055	2.4	99	0.00	12.84
			AvgRF	CCRF	%Dev			
91		sec-Butylbenzene	3.862	4.353	-12.7	101	0.00	12.98
			Amount	Calc.	%Drift			
92		4-Isopropyltoluene	40.000	40.854	-2.1	101	0.00	13.11
93		1,3-Dichlorobenzene	40.000	40.393	-1.0	100	0.00	13.24
94		1,4-Dichlorobenzene	40.000	41.603	-4.0	103	0.00	13.32

Continuing Calibration Summary

Job Number: F92428 **Sample:** VJ3943-CC3923
Account: URSNCM URS Corporation **Lab FileID:** J074399.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

95	n-Butylbenzene	40.000	40.529	-1.3	100	0.00	13.54
96	Benzyl Chloride	40.000	40.720	-1.8	101	0.00	13.55
97	1,2-Dichlorobenzene	40.000	40.918	-2.3	101	0.00	13.74
98	1,2-Dibromo-3-Chloropropa	40.000	38.719	3.2	96	0.00	14.48
	----------	AvgRF	CCRF	%Dev	----------		
99	Hexachlorobutadiene	0.656	0.775	-18.1	105	0.00	15.01
100	1,2,4-Trichlorobenzene	1.178	1.328	-12.7	100	0.00	15.06
	----------	Amount	Calc.	%Drift	----------		
101	Naphthalene	40.000	39.663	0.8	96	0.00	15.35
102	1,2,3-Trichlorobenzene	40.000	41.037	-2.6	99	0.00	15.52
	----------	AvgRF	CCRF	%Dev	----------		
103 I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	90	0.00	5.37
	----------	Amount	Calc.	%Drift	----------		
104	Ethanol	800.000	721.281	9.8	88	0.00	4.34
	----------	AvgRF	CCRF	%Dev	----------		
105	acrolein	1.431	1.030	28.0#	67	0.00	4.83
106	Tert Butyl Alcohol	1.481	1.508	-1.8	91	0.00	5.46
107	tert Amyl alcohol	1.163	1.244	-7.0	94	0.00	7.67
108	Isobutyl alcohol	0.177	0.169	4.5	89	0.00	7.47
	----------	Amount	Calc.	%Drift	----------		
109	1,4-Dioxane	800.000	751.804	6.0	87	0.00	8.77

(#) = Out of Range SPCC's out = 0 CCC's out = 0
J074052.D 8260-japp9.m Tue May 01 18:31:03 2012

Southeast ACCUTEST LABORATORIES

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GXY2344-MB	XY054667.D	1	04/26/12	SH	n/a	n/a	GXY2344

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

F92428-4, F92428-6

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.50	0.16	ug/l	
74-84-0	Ethane	ND	1.0	0.32	ug/l	
74-85-1	Ethene	ND	1.0	0.43	ug/l	

Blank Spike Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GXY2344-BS	XY054668.D	1	04/26/12	SH	n/a	n/a	GXY2344

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

F92428-4, F92428-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
74-82-8	Methane	108	114	106	54-149
74-84-0	Ethane	219	250	114	57-143
74-85-1	Ethene	290	325	112	57-143

Matrix Spike Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F92422-1MS	XY054675.D	1	04/26/12	SH	n/a	n/a	GXY2344
F92422-1	XY054673.D	1	04/26/12	SH	n/a	n/a	GXY2344

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

F92428-4, F92428-6

CAS No.	Compound	F92422-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
74-82-8	Methane	1.73		108	105	96	54-149
74-84-0	Ethane	ND		219	227	104	57-143
74-85-1	Ethene	0.65	J	290	298	103	57-143

Duplicate Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F92420-1DUP	XY054674.D	1	04/26/12	SH	n/a	n/a	GXY2344
F92420-1	XY054672.D	1	04/26/12	SH	n/a	n/a	GXY2344

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

F92428-4, F92428-6

CAS No.	Compound	F92420-1 ug/l	Q	DUP ug/l	Q	RPD	Limits
74-82-8	Methane	6.41		4.75		30*	24
74-84-0	Ethane	1.0	U	ND		nc	23
74-85-1	Ethene	1.0	U	ND		nc	10

Initial Calibration Summary

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: GXY2313-ICC2313
Lab FileID: XY053975.D

```
                    Response Factor Report  VOA5

 Method       : C:\HPCHEM\2\METHODS\NEWRSK.M (Chemstation Integrator)
 Title        : Dissolved Gases in Water
 Last Update  : Mon Feb 20 16:45:01 2012
 Response via : Initial Calibration

 Calibration Files
 1   =XY053971.D  2   =XY053972.D  3   =XY053973.D  4   =XY053974.D
 5   =XY053975.D  6   =XY053976.D  7   =XY053977.D

    Compound             1     2     3     4     5     6     7     Avg   %RSD
 ---------------------------------------------------------------------------
 1)  Methane           0.990 1.016 0.713 0.774 0.777 0.736 0.891 0.842 E4  14.65
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9932
              Response Ratio = 0.00000 + 8590.91007 *A

 2)  Acetylene         1.876 2.065 1.868 2.048 2.058 1.974 2.541 2.061 E4  11.02
 3)  Ethylene          1.649 1.817 1.391 1.493 1.510 1.367 1.688 1.559 E4  10.57
 4)  Ethane            1.571 1.771 1.365 1.461 1.456 1.355 1.678 1.522 E4  10.38
 5)  Propane           2.360 2.584 2.034 2.178 2.158 1.961 2.468 2.249 E4  10.19
---------------------------------------------------------------------------
(#) = Out of Range

          NEWRSK.M          Thu Feb 23 15:28:20 2012
```

Initial Calibration Verification

Job Number: F92428
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: GXY2313-ICV2313
Lab FileID: XY053980.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\022012\XY053980.D          Vial: 100
Acq On    : 20 Feb 2012   3:44 pm                   Operator: StevenH
Sample    : icv2313-1000                            Inst    : VOA5
Misc      : gc13323,gxy2313,,,,,                    Multiplr: 1.00
IntFile   : EVENTS.E

Method       : C:\HPCHEM\2\METHODS\NEWRSK.M (Chemstation Integrator)
Title        : Dissolved Gases in Water
Last Update  : Mon Feb 20 16:45:01 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
	----------	Amount	Calc.	%Drift	----------		
1	Methane	1000.000	858.137	14.2	95	-0.02	0.72- 1.32
	----------	Amount	Calc.	%Drift	----------		
2	Acetylene	1000.000	1041.105	-4.1	104	0.00	1.82- 2.42
3	Ethylene	1000.000	922.028	7.8	95	0.00	2.26- 3.06
4	Ethane	1000.000	933.763	6.6	98	0.02	2.81- 3.61
5	Propane	1000.000	933.616	6.6	97	0.00	6.50- 7.30

(#) = Out of Range SPCC's out = 0 CCC's out = 0
XY053975.D NEWRSK.M Thu Feb 23 15:27:39 2012

Continuing Calibration Summary

Job Number: F92428 **Sample:** GXY2344-CC2313
Account: URSNCM URS Corporation **Lab FileID:** XY054665.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\042612\XY054665.D          Vial: 100
Acq On    : 26 Apr 2012   8:41 am                   Operator: StevenH
Sample    : cc2313-1000                             Inst    : VOA5
Misc      : gc13602,gxy2344,,,,,                    Multiplr: 1.00
IntFile   : EVENTS.E

Method       : C:\HPCHEM\2\METHODS\NEWRSK.M (Chemstation Integrator)
Title        : Dissolved Gases in Water
Last Update  : Fri Apr 20 08:54:06 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 150%

       Compound                Amount  Calc.    %Drift Area% Dev(min)RT Window
 ---------------------------------------------------------------------------

          -------------------- Amount  Calc.    %Drift  --------------
 1     Methane                1000.000 1010.739     -1.1  112  -0.04    0.72- 1.32

          -------------------- Amount  Calc.    %Drift   -------------
 2     Acetylene              1000.000 1067.188     -6.7  107  -0.07    1.84- 2.44
 3     Ethylene               1000.000 1055.872     -5.6  109  -0.08    2.28- 3.08
 4     Ethane                 1000.000 1063.216     -6.3  111  -0.09    2.85- 3.65
 5     Propane                1000.000 1048.541     -4.9  109  -0.13    6.52- 7.32
-----------------------------------------------------------------------------
-----------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    XY054616.D NEWRSK.M         Mon Apr 30 11:22:48 2012
```

6.5.3

6

Continuing Calibration Summary

Job Number: F92428 **Sample:** GXY2344-CC2313
Account: URSNCM URS Corporation **Lab FileID:** XY054676.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
                    Evaluate Continuing Calibration Report

 Data File : C:\HPCHEM\2\DATA\042612\XY054676.D          Vial: 100
 Acq On    : 26 Apr 2012  11:50 am                   Operator: StevenH
 Sample    : cc2313-500                              Inst    : VOA5
 Misc      : gc13605,gxy2344,,,,,                    Multiplr: 1.00
 IntFile   : EVENTS.E

 Method       : C:\HPCHEM\2\METHODS\NEWRSK.M (Chemstation Integrator)
 Title        : Dissolved Gases in Water
 Last Update  : Fri Apr 20 08:54:06 2012
 Response via : Multiple Level Calibration

 Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
 Max. RRF Dev :  15%     Max. Rel. Area : 150%

       Compound                Amount  Calc.    %Drift Area% Dev(min)RT Window
 ---------------------------------------------------------------------------

          -------------------- Amount  Calc.    %Drift  --------------
 1     Methane                500.000 472.677      5.5  105   0.02    0.72- 1.32

          -------------------- Amount  Calc.    %Drift   -------------
 2     Acetylene              500.000 495.170      1.0  100  -0.04    1.84- 2.44
 3     Ethylene               500.000 497.395      0.5  104  -0.08    2.28- 3.08
 4     Ethane                 500.000 488.612      2.3  102  -0.09    2.85- 3.65
 5     Propane                500.000 498.603      0.3  103  -0.09    6.52- 7.32
---------------------------------------------------------------------------
---------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    XY053974.D NEWRSK.M         Mon Apr 30 11:56:28 2012
```

Continuing Calibration Summary

Job Number: F92428 **Sample:** GXY2344-CC2313
Account: URSNCM URS Corporation **Lab FileID:** XY054687.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
                    Evaluate Continuing Calibration Report

 Data File : C:\HPCHEM\2\DATA\042612\XY054687.D          Vial: 100
 Acq On    : 26 Apr 2012   2:28 pm                   Operator: StevenH
 Sample    : cc2313-1000                             Inst    : VOA5
 Misc      : gc13605,gxy2344,,,,,                    Multiplr: 1.00
 IntFile   : EVENTS.E

 Method       : C:\HPCHEM\2\METHODS\NEWRSK.M (Chemstation Integrator)
 Title        : Dissolved Gases in Water
 Last Update  : Fri Apr 20 08:54:06 2012
 Response via : Multiple Level Calibration

 Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
 Max. RRF Dev :  15%     Max. Rel. Area : 150%

        Compound                Amount  Calc.    %Drift Area% Dev(min)RT Window
 ---------------------------------------------------------------------------

           -------------------- Amount  Calc.    %Drift  --------------
 1     Methane                1000.000 938.131      6.2  104  -0.03    0.72- 1.32

           -------------------- Amount  Calc.    %Drift   -------------
 2     Acetylene              1000.000 975.084      2.5   98  -0.05    1.84- 2.44
 3     Ethylene               1000.000 976.834      2.3  101  -0.06    2.28- 3.08
 4     Ethane                 1000.000 975.526      2.4  102  -0.07    2.85- 3.65
 5     Propane                1000.000 964.789      3.5  101  -0.11    6.52- 7.32
-------------------------------------------------------------------------
-------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    XY054616.D NEWRSK.M         Mon Apr 30 11:56:04 2012
```

Continuing Calibration Summary

Job Number: F92428 **Sample:** GXY2344-ECC2313
Account: URSNCM URS Corporation **Lab FileID:** XY054693.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
                    Evaluate Continuing Calibration Report

 Data File : C:\HPCHEM\2\DATA\042612\XY054693.D          Vial: 100
 Acq On    : 26 Apr 2012   4:05 pm                   Operator: StevenH
 Sample    : ecc2313-1000                            Inst    : VOA5
 Misc      : gc13605,gxy2344,,,,,                    Multiplr: 1.00
 IntFile   : EVENTS.E

 Method       : C:\HPCHEM\2\METHODS\NEWRSK.M (Chemstation Integrator)
 Title        : Dissolved Gases in Water
 Last Update  : Fri Apr 20 08:54:06 2012
 Response via : Multiple Level Calibration

 Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
 Max. RRF Dev :  15%     Max. Rel. Area : 150%

        Compound                Amount  Calc.    %Drift Area% Dev(min)RT Window
 ---------------------------------------------------------------------------

           -------------------- Amount  Calc.    %Drift  --------------
 1     Methane                1000.000 936.924      6.3  104  -0.03    0.72- 1.32

           -------------------- Amount  Calc.    %Drift   -------------
 2     Acetylene              1000.000 939.933      6.0   94  -0.05    1.84- 2.44
 3     Ethylene               1000.000 973.788      2.6  101  -0.06    2.28- 3.08
 4     Ethane                 1000.000 976.606      2.3  102  -0.07    2.85- 3.65
 5     Propane                1000.000 1003.042     -0.3  105  -0.10    6.52- 7.32
-------------------------------------------------------------------------
-------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    XY054616.D NEWRSK.M         Mon Apr 30 11:56:04 2012
```

Southeast ACCUTEST LABORATORIES

05/10/12

Technical Report for

URS Corporation

Hamilton Beach: 234 Springs Rd, Washington, NC

31828403.00001

Accutest Job Number: F92489

Sampling Date: 04/25/12

Report to:

URS Corporation

martha.meyers-lee@urs.com

ATTN: Martha Meyers

Total number of pages in report: **102**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), AK, AR, GA, KY, MA, NV, OK, UT, VA, WA, WI

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Test results relate only to samples analyzed.

Accutest Laboratories is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited.

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **6**
3.1: F92489-1: NW-G-12 7
3.2: F92489-2: NW-E-9 8
3.3: F92489-3: NW-D-9 10
3.4: F92489-4: MW-227 12
3.5: F92489-5: MW-GAW2 14
3.6: F92489-6: MW-GAW12 16
3.7: F92489-7: MW-ERH2 17
3.8: F92489-8: NW-R-14 20
Section 4: Misc. Forms **21**
4.1: Chain of Custody 22
Section 5: GC/MS Volatiles - QC Data Summaries **24**
5.1: Method Blank Summary 25
5.2: Blank Spike Summary 27
5.3: Matrix Spike/Matrix Spike Duplicate Summary 29
5.4: Instrument Performance Checks (BFB) 31
5.5: Internal Standard Area Summaries 37
5.6: Surrogate Recovery Summaries 40
5.7: Initial and Continuing Calibration Summaries 41
Section 6: GC/MS Semi-volatiles - QC Data Summaries **66**
6.1: Method Blank Summary 67
6.2: Blank Spike Summary 69
6.3: Matrix Spike/Matrix Spike Duplicate Summary 70
6.4: Instrument Performance Checks (DFTPP) 71
6.5: Internal Standard Area Summaries 75
6.6: Surrogate Recovery Summaries 77
6.7: Initial and Continuing Calibration Summaries 78
Section 7: GC Volatiles - QC Data Summaries **93**
7.1: Method Blank Summary 94
7.2: Blank Spike Summary 95
7.3: Matrix Spike Summary 96
7.4: Duplicate Summary 97
7.5: Initial and Continuing Calibration Summaries 98

Accutest LabLink@12:55 10-May-2012

Sample Summary

URS Corporation

Job No: F92489

Hamilton Beach: 234 Springs Rd, Washington, NC
Project No: 31828403.00001

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F92489-1	04/25/12	08:45	MMSW	04/26/12	AQ	Ground Water	NW-G-12
F92489-2	04/25/12	09:15	MMSW	04/26/12	AQ	Ground Water	NW-E-9
F92489-3	04/25/12	09:45	MMSW	04/26/12	AQ	Ground Water	NW-D-9
F92489-4	04/25/12	10:20	MMSW	04/26/12	AQ	Ground Water	MW-227
F92489-5	04/25/12	10:50	MMSW	04/26/12	AQ	Ground Water	MW-GAW2
F92489-6	04/25/12	11:00	MMSW	04/26/12	AQ	Ground Water	MW-GAW12
F92489-7	04/25/12	11:30	MMSW	04/26/12	AQ	Ground Water	MW-ERH2
F92489-8	04/25/12	12:00	MMSW	04/26/12	AQ	Ground Water	NW-R-14

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	URS Corporation	**Job**	F92489
Site:	Hamilton Beach: 234 Springs Rd, Washington, NC	**Report Date**	5/10/2012 11:12:04 AM

8 Samples were collected on 04/25/2012 and were received at Accutest SE on 04/26/2012 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of F92489. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ3944

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F92425-1MS, F92425-1MSD were used as the QC samples indicated.

Matrix Spike Duplicate Recovery(s) for m,p-Xylene, Toluene are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

RPD(s) for MSD for 1,2,4-Trimethylbenzene, Carbon tetrachloride, m,p-Xylene, n-Propylbenzene are outside control limits for sample F92425-1MSD. Probable cause is due to sample non-homogeneity.

F92489-1: Sample was not preserved to a pH < 2.

F92489-2: Sample was not preserved to a pH < 2.

F92489-4: Sample was not preserved to a pH < 2.

F92489-5: Sample was not preserved to a pH < 2.

F92489-6: Sample was not preserved to a pH < 2.

F92489-7: Sample was not preserved to a pH < 2.

F92489-8: Sample was not preserved to a pH < 2.

Matrix: AQ **Batch ID:** VO373

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F92213-2MS, F92213-2MSD were used as the QC samples indicated.

F92489-3: Sample was not preserved to a pH < 2.

F92489-3 for Chloroethane: CCV outside of control limits.

F92489-8: Sample was not preserved to a pH < 2.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ **Batch ID:** OP41592

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F92572-2MS, F92572-2MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for 3&4-Methylphenol, bis(2-Ethylhexyl)phthalate are outside control limits. Probable cause is due to matrix interference.

RPD(s) for MSD for 3&4-Methylphenol, bis(2-Ethylhexyl)phthalate are outside control limits for sample OP41592-MSD. Probable cause is due to sample non-homogeneity.
Sample(s) OP41592-BS, F92489-7, OP41592-MSD have surrogates outside control limits.

OP41592-BS for Phenol-d5: Outside control limits.

F92489-7: Dilution required due to matrix interference.

F92489-7 for Phenol-d5: Outside control limits due to dilution.

OP41592-MSD for 2-Fluorophenol, Phenol-d5: Outside control limits.

Volatiles by GC By Method RSKSOP-147/175

Matrix: AQ **Batch ID:** GFF651

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F92489-3DUP, F92489-2MS were used as the QC samples indicated.

Matrix Spike Recovery(s) for Methane, Ethane are outside control limits. Outside control limits due to high level in sample relative to spike amount. For method performance in a clean matrix, refer to Blank Spike.
Matrix Spike Recovery(s) for Ethene are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

RPD(s) for Duplicate for Ethene are outside control limits for sample F92489-3DUP. Probable cause due to sample non-homogeneity.

F92489-2: Sample was not preserved to a pH < 2.

F92489-3: Sample was not preserved to a pH < 2.

F92489-4: Sample was not preserved to a pH < 2.

F92489-7: Sample was not preserved to a pH < 2.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

_____ Date: May 10, 2012

Kim Benham, Client Services (signature on file)

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	NW-G-12		
Lab Sample ID:	F92489-1	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074440.D	5	05/02/12	MM	n/a	n/a	VJ3944
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	15.0	5.0	1.0	ug/l	
75-00-3	Chloroethane	139	10	2.5	ug/l	
67-66-3	Chloroform	ND	5.0	1.1	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.3	ug/l	
75-34-3	1,1-Dichloroethane	285	5.0	1.3	ug/l	
75-35-4	1,1-Dichloroethylene	115	5.0	1.2	ug/l	
107-06-2	1,2-Dichloroethane	22.2	5.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	374	5.0	1.3	ug/l	
156-60-5	trans-1,2-Dichloroethylene	26.7	5.0	1.8	ug/l	
100-41-4	Ethylbenzene	9.8	5.0	1.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	1.1	ug/l	
91-20-3	Naphthalene	34.1	25	5.0	ug/l	
103-65-1	n-Propylbenzene	3.8	5.0	1.0	ug/l	J
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.1	ug/l	
95-63-6	1,2,4-Trimethylbenzene	26.6	10	1.4	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.3	ug/l	
108-88-3	Toluene	10.3	5.0	1.0	ug/l	
79-01-6	Trichloroethylene	3.1	5.0	1.3	ug/l	J
75-01-4	Vinyl chloride	151	5.0	1.1	ug/l	
	m,p-Xylene	6.0	10	1.6	ug/l	J
95-47-6	o-Xylene	7.7	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	102%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NW-E-9		
Lab Sample ID:	F92489-2	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074449.D	1	05/02/12	MM	n/a	n/a	VJ3944
Run #2 [a]	J074436.D	10	05/02/12	MM	n/a	n/a	VJ3944

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	71.3 [b]	20	5.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	40.5	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.3	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	49.9	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.59	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	1.4	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	100%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	100%	76-127%
2037-26-5	Toluene-D8	95%	97%	86-112%
460-00-4	4-Bromofluorobenzene	95%	97%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NW-E-9		
Lab Sample ID:	F92489-2	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	FF15573.D	1	04/27/12	MM	n/a	n/a	GFF651
Run #2 [a]	FF15577.D	20	04/27/12	MM	n/a	n/a	GFF651

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	11000 [b]	10	3.2	ug/l	
74-84-0	Ethane	601	1.0	0.32	ug/l	
74-85-1	Ethene	238	1.0	0.43	ug/l	

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NW-D-9		
Lab Sample ID:	F92489-3	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	O8654.D	1000	05/01/12	MM	n/a	n/a	VO373
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1000	200	ug/l	
75-00-3	Chloroethane [b]	ND	2000	500	ug/l	
67-66-3	Chloroform	ND	1000	220	ug/l	
56-23-5	Carbon tetrachloride	ND	1000	250	ug/l	
75-34-3	1,1-Dichloroethane	861	1000	250	ug/l	J
75-35-4	1,1-Dichloroethylene	1020	1000	230	ug/l	
107-06-2	1,2-Dichloroethane	ND	1000	200	ug/l	
156-59-2	cis-1,2-Dichloroethylene	93100	1000	260	ug/l	
156-60-5	trans-1,2-Dichloroethylene	533	1000	350	ug/l	J
100-41-4	Ethylbenzene	ND	1000	200	ug/l	
99-87-6	p-Isopropyltoluene	ND	1000	210	ug/l	
91-20-3	Naphthalene	ND	5000	1000	ug/l	
103-65-1	n-Propylbenzene	ND	1000	200	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1000	200	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1000	220	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2000	270	ug/l	
127-18-4	Tetrachloroethylene	ND	1000	250	ug/l	
108-88-3	Toluene	ND	1000	200	ug/l	
79-01-6	Trichloroethylene	1510	1000	260	ug/l	
75-01-4	Vinyl chloride	4810	1000	220	ug/l	
	m,p-Xylene	ND	2000	320	ug/l	
95-47-6	o-Xylene	ND	1000	200	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

(a) Sample was not preserved to a pH < 2.
(b) CCV outside of control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NW-D-9		
Lab Sample ID:	F92489-3	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	FF15574.D	1	04/27/12	MM	n/a	n/a	GFF651
Run #2 [a]	FF15582.D	20	04/27/12	MM	n/a	n/a	GFF651

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	9620 [b]	10	3.2	ug/l	
74-84-0	Ethane	107	1.0	0.32	ug/l	
74-85-1	Ethene	614	1.0	0.43	ug/l	

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-227		
Lab Sample ID:	F92489-4	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074450.D	1	05/02/12	MM	n/a	n/a	VJ3944
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	4.1	1.0	0.20	ug/l	
75-00-3	Chloroethane	66.6	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	0.33	1.0	0.25	ug/l	J
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	0.81	1.0	0.20	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.1	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	7.7	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	7.6	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	1.2	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	9.6	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	1.4	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
	m,p-Xylene	0.97	2.0	0.32	ug/l	J
95-47-6	o-Xylene	2.3	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	100%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	95%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-227		
Lab Sample ID:	F92489-4	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	FF15575.D	1	04/27/12	MM	n/a	n/a	GFF651
Run #2 [a]	FF15584.D	20	04/27/12	MM	n/a	n/a	GFF651

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	16200 [b]	10	3.2	ug/l	
74-84-0	Ethane	30.0	1.0	0.32	ug/l	
74-85-1	Ethene	0.58	1.0	0.43	ug/l	J

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-GAW2		
Lab Sample ID:	F92489-5	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074432.D	1	05/02/12	MM	n/a	n/a	VJ3944
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.91	1.0	0.20	ug/l	J
75-00-3	Chloroethane	13.4	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	81.8	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	25.4	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	0.57	1.0	0.20	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	14.4	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.97	1.0	0.35	ug/l	J
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.22	1.0	0.21	ug/l	J
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.52	2.0	0.27	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.74	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	3.1	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	51.4	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	1.5	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	100%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-GAW2		
Lab Sample ID:	F92489-5	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T002065.D	1	04/30/12	FS	04/30/12	OP41592	ST114
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
	3&4-Methylphenol	ND	4.8	1.1	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	1.1	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.55	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%		14-62%
4165-62-2	Phenol-d5	23%		10-40%
118-79-6	2,4,6-Tribromophenol	73%		33-118%
4165-60-0	Nitrobenzene-d5	61%		42-108%
321-60-8	2-Fluorobiphenyl	58%		40-106%
1718-51-0	Terphenyl-d14	74%		39-121%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-GAW12		
Lab Sample ID:	F92489-6	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074433.D	1	05/02/12	MM	n/a	n/a	VJ3944
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.91	1.0	0.20	ug/l	J
75-00-3	Chloroethane	12.5	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	78.3	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	21.0	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	0.52	1.0	0.20	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	12.9	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.1	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.51	2.0	0.27	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	0.75	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	2.8	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	45.8	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	1.5	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	98%		76-127%
2037-26-5	Toluene-D8	95%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-ERH2		
Lab Sample ID:	F92489-7	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J074438.D	100	05/02/12	MM	n/a	n/a	VJ3944
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	100	20	ug/l	
75-00-3	Chloroethane	317	200	50	ug/l	
67-66-3	Chloroform	ND	100	22	ug/l	
56-23-5	Carbon tetrachloride	ND	100	25	ug/l	
75-34-3	1,1-Dichloroethane	1160	100	25	ug/l	
75-35-4	1,1-Dichloroethylene	3780	100	23	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	4960	100	26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	74.4	100	35	ug/l	J
100-41-4	Ethylbenzene	ND	100	20	ug/l	
99-87-6	p-Isopropyltoluene	ND	100	21	ug/l	
91-20-3	Naphthalene	ND	500	100	ug/l	
103-65-1	n-Propylbenzene	ND	100	20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	200	27	ug/l	
127-18-4	Tetrachloroethylene	ND	100	25	ug/l	
108-88-3	Toluene	406	100	20	ug/l	
79-01-6	Trichloroethylene	ND	100	26	ug/l	
75-01-4	Vinyl chloride	4090	100	22	ug/l	
	m,p-Xylene	ND	200	32	ug/l	
95-47-6	o-Xylene	ND	100	20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	101%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-ERH2		
Lab Sample ID:	F92489-7	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	T002096.D	10	05/01/12	FS	04/30/12	OP41592	ST115
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
	3&4-Methylphenol	447	48	10	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	48	10	ug/l	
91-57-6	2-Methylnaphthalene	ND	48	5.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		14-62%
4165-62-2	Phenol-d5	60% [b]		10-40%
118-79-6	2,4,6-Tribromophenol	94%		33-118%
4165-60-0	Nitrobenzene-d5	83%		42-108%
321-60-8	2-Fluorobiphenyl	79%		40-106%
1718-51-0	Terphenyl-d14	94%		39-121%

(a) Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-ERH2		
Lab Sample ID:	F92489-7	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	FF15576.D	1	04/27/12	MM	n/a	n/a	GFF651
Run #2 [a]	FF15585.D	20	04/27/12	MM	n/a	n/a	GFF651

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	5980 [b]	10	3.2	ug/l	
74-84-0	Ethane	30.9	1.0	0.32	ug/l	
74-85-1	Ethene	373	1.0	0.43	ug/l	

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NW-R-14		
Lab Sample ID:	F92489-8	**Date Sampled:**	04/25/12
Matrix:	AQ - Ground Water	**Date Received:**	04/26/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	O8659.D	50	05/01/12	MM	n/a	n/a	VO373
Run #2 [a]	J074439.D	100	05/02/12	MM	n/a	n/a	VJ3944

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	50	10	ug/l	
75-00-3	Chloroethane	1260 [b]	200	50	ug/l	
67-66-3	Chloroform	ND	50	11	ug/l	
56-23-5	Carbon tetrachloride	ND	50	13	ug/l	
75-34-3	1,1-Dichloroethane	4010	50	13	ug/l	
75-35-4	1,1-Dichloroethylene	6050 [b]	100	23	ug/l	
107-06-2	1,2-Dichloroethane	179	50	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	5580 [b]	100	26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	36.8	50	18	ug/l	J
100-41-4	Ethylbenzene	ND	50	10	ug/l	
99-87-6	p-Isopropyltoluene	ND	50	11	ug/l	
91-20-3	Naphthalene	ND	250	50	ug/l	
103-65-1	n-Propylbenzene	ND	50	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	10	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	11	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	100	14	ug/l	
127-18-4	Tetrachloroethylene	ND	50	13	ug/l	
108-88-3	Toluene	232	50	10	ug/l	
79-01-6	Trichloroethylene	ND	50	13	ug/l	
75-01-4	Vinyl chloride	794	50	11	ug/l	
	m,p-Xylene	ND	100	16	ug/l	
95-47-6	o-Xylene	ND	50	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	108%	102%	76-127%
2037-26-5	Toluene-D8	102%	97%	86-112%
460-00-4	4-Bromofluorobenzene	99%	98%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Certification Exceptions (NC)
- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

F92489

Accutest JOB # PAGE 1 OF 1

Accutest Quote # SKIFF#

Client / Reporting Information

Company Name: URS CORPORATION
Address: 1600 PERIMETER PARK DR
City: MORRISVILLE State: NC Zip: 27560
Project Contact: MARTHA MEYERS E-mail: MARTHA.MEYERS@URS.COM
Phone#: (919) 461-1505
Sampler(s) Name(s) (Printed): MIKE MEISE / STEPHANIE WHITE

Project Information

Project Name: HB WASHINGTON
Street
City: WASHINGTON State: NC
Project #: 38128403.00001
Fax #: (919) 461-1415
Client Purchase Order #

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH-ZnAc	DI Water	MeOH	VOCs 8260	SVOCs 8270	MBE RSK 147
1	NW-G-12	4/25/12	0845	MW/BW	GW	3		X								X		
2	NW-E-9	4/25/12	0715	MW/BW	GW	6		X								X		X
3	NW-D-9	4/25/12	0745			6										X		X
4	MW-227		1020			6										X		X
5	MW-GAW2		1050			5										X	X	
6	MW-GAW12		1100			3										X		
7	MW-EBH2		1130			2										X	X	X
8	NW-B-14	4/25/12	1200	MW/BW	GW	3		X								X		

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days) — Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

RALEIGH, NC

SVC CENTER

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 [signature]	4/25/12 1600	2 [signature]	3		4 FE
Relinquished by: 5 FE 04-26-12	Date Time: 0930	Received By: 6 [signature] MESE	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2.8

F92489: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F92489 CLIENT: URS PROJECT: HB Washington

DATE/TIME RECEIVED: 04-26-12 0930 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 7973 2743 1941

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [x] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [x] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [x] RECEIVED WATER TRIP BLANK 2
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.2
- [ ] OBSERVED TEMPS: 3.0
- [ ] CORRECTED TEMPS: 2.8

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE [signature] 04-26-12 REVIEWER SIGNATURE/DATE [signature] 4-26-12

NF 12/10

receipt confirmation 122910.xls

4.1

4

F92489: Chain of Custody

Page 2 of 2

Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO373-MB	O8637.D	1	05/01/12	MM	n/a	n/a	VO373

The QC reported here applies to the following samples: **Method:** SW846 8260B

F92489-3, F92489-8

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	107%	76-127%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	101%	84-120%

Method Blank Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ3944-MB	J074430.D	1	05/02/12	MM	n/a	n/a	VJ3944

The QC reported here applies to the following samples: **Method:** SW846 8260B

F92489-1, F92489-2, F92489-4, F92489-5, F92489-6, F92489-7, F92489-8

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.22	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.25	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.26	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.22	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.27	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.26	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.22	ug/l	
	m,p-Xylene	ND	2.0	0.32	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	95%	86-112%
460-00-4	4-Bromofluorobenzene	98%	84-120%

Blank Spike Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO373-BS	O8636.D	1	05/01/12	MM	n/a	n/a	VO373

The QC reported here applies to the following samples: **Method:** SW846 8260B

F92489-3, F92489-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	24.4	98	83-124
75-00-3	Chloroethane	25	30.6	122	54-166
67-66-3	Chloroform	25	24.7	99	85-123
56-23-5	Carbon tetrachloride	25	23.5	94	74-139
75-34-3	1,1-Dichloroethane	25	24.7	99	82-127
75-35-4	1,1-Dichloroethylene	25	24.6	98	75-133
107-06-2	1,2-Dichloroethane	25	24.9	100	76-122
156-59-2	cis-1,2-Dichloroethylene	25	23.6	94	81-114
156-60-5	trans-1,2-Dichloroethylene	25	23.8	95	82-126
100-41-4	Ethylbenzene	25	25.8	103	87-118
99-87-6	p-Isopropyltoluene	25	26.4	106	83-125
91-20-3	Naphthalene	25	24.4	98	59-125
103-65-1	n-Propylbenzene	25	26.6	106	86-125
71-55-6	1,1,1-Trichloroethane	25	25.1	100	79-133
79-00-5	1,1,2-Trichloroethane	25	24.4	98	80-114
95-63-6	1,2,4-Trimethylbenzene	25	24.7	99	82-120
127-18-4	Tetrachloroethylene	25	26.1	104	80-131
108-88-3	Toluene	25	24.6	98	86-116
79-01-6	Trichloroethylene	25	25.6	102	85-124
75-01-4	Vinyl chloride	25	29.0	116	57-153
	m,p-Xylene	50	52.7	105	86-121
95-47-6	o-Xylene	25	25.1	100	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	108%	76-127%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Blank Spike Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ3944-BS	J074431.D	1	05/02/12	MM	n/a	n/a	VJ3944

The QC reported here applies to the following samples: **Method:** SW846 8260B

F92489-1, F92489-2, F92489-4, F92489-5, F92489-6, F92489-7, F92489-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	23.9	96	83-124
75-00-3	Chloroethane	25	22.1	88	54-166
67-66-3	Chloroform	25	24.5	98	85-123
56-23-5	Carbon tetrachloride	25	25.4	102	74-139
75-34-3	1,1-Dichloroethane	25	23.6	94	82-127
75-35-4	1,1-Dichloroethylene	25	20.5	82	75-133
107-06-2	1,2-Dichloroethane	25	23.5	94	76-122
156-59-2	cis-1,2-Dichloroethylene	25	23.1	92	81-114
156-60-5	trans-1,2-Dichloroethylene	25	21.7	87	82-126
100-41-4	Ethylbenzene	25	23.1	92	87-118
99-87-6	p-Isopropyltoluene	25	25.3	101	83-125
91-20-3	Naphthalene	25	22.3	89	59-125
103-65-1	n-Propylbenzene	25	26.7	107	86-125
71-55-6	1,1,1-Trichloroethane	25	24.7	99	79-133
79-00-5	1,1,2-Trichloroethane	25	25.1	100	80-114
95-63-6	1,2,4-Trimethylbenzene	25	26.6	106	82-120
127-18-4	Tetrachloroethylene	25	25.8	103	80-131
108-88-3	Toluene	25	22.3	89	86-116
79-01-6	Trichloroethylene	25	23.4	94	85-124
75-01-4	Vinyl chloride	25	23.5	94	57-153
	m,p-Xylene	50	45.8	92	86-121
95-47-6	o-Xylene	25	23.2	93	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	96%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	96%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F92213-2MS	O8650.D	1	05/01/12	MM	n/a	n/a	VO373
F92213-2MSD	O8651.D	1	05/01/12	MM	n/a	n/a	VO373
F92213-2	O8643.D	1	05/01/12	MM	n/a	n/a	VO373

The QC reported here applies to the following samples: **Method:** SW846 8260B

F92489-3, F92489-8

CAS No.	Compound	F92213-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	1.0 U		25	24.7	99	24.2	97	2	83-124/11
75-00-3	Chloroethane	2.0 U		25	36.1	144	33.6	134	7	54-166/20
67-66-3	Chloroform	1.0 U		25	25.1	100	24.8	99	1	85-123/10
56-23-5	Carbon tetrachloride	1.0 U		25	23.7	95	22.0	88	7	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	25.4	102	24.9	100	2	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	23.3	93	23.4	94	0	75-133/13
107-06-2	1,2-Dichloroethane	1.0 U		25	26.0	104	25.9	104	0	76-122/11
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	23.5	94	23.1	92	2	81-114/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	24.2	97	23.7	95	2	82-126/10
100-41-4	Ethylbenzene	1.0 U		25	26.8	107	26.9	108	0	87-118/10
99-87-6	p-Isopropyltoluene	1.0 U		25	27.0	108	26.8	107	1	83-125/9
91-20-3	Naphthalene	5.0 U		25	23.3	93	26.1	104	11	59-125/15
103-65-1	n-Propylbenzene	1.0 U		25	27.3	109	27.0	108	1	86-125/10
71-55-6	1,1,1-Trichloroethane	1.0 U		25	25.2	101	24.8	99	2	79-133/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	24.7	99	25.1	100	2	80-114/11
95-63-6	1,2,4-Trimethylbenzene	2.0 U		25	24.9	100	24.8	99	0	82-120/10
127-18-4	Tetrachloroethylene	1.0 U		25	26.2	105	26.2	105	0	80-131/12
108-88-3	Toluene	1.0 U		25	24.6	98	24.7	99	0	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	26.6	106	27.0	108	1	85-124/10
75-01-4	Vinyl chloride	1.0 U		25	29.8	119	28.9	116	3	57-153/22
	m,p-Xylene	2.0 U		50	54.3	109	53.6	107	1	86-121/10
95-47-6	o-Xylene	1.0 U		25	25.6	102	25.5	102	0	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F92213-2	Limits
1868-53-7	Dibromofluoromethane	102%	102%	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	110%	110%	108%	76-127%
2037-26-5	Toluene-D8	101%	101%	102%	86-112%
460-00-4	4-Bromofluorobenzene	99%	98%	100%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F92425-1MS	J074442.D	1	05/02/12	MM	n/a	n/a	VJ3944
F92425-1MSD	J074443.D	1	05/02/12	MM	n/a	n/a	VJ3944
F92425-1	J074435.D	1	05/02/12	MM	n/a	n/a	VJ3944

The QC reported here applies to the following samples: **Method:** SW846 8260B

F92489-1, F92489-2, F92489-4, F92489-5, F92489-6, F92489-7, F92489-8

CAS No.	Compound	F92425-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	4.2		25	28.8	98	26.9	91	7	83-124/11
75-00-3	Chloroethane	ND		25	21.7	87	19.3	77	12	54-166/20
67-66-3	Chloroform	ND		25	25.1	100	23.7	95	6	85-123/10
56-23-5	Carbon tetrachloride	ND		25	26.4	106	22.2	89	17*	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	24.4	98	22.7	91	7	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	21.0	84	20.3	81	3	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	24.4	98	23.5	94	4	76-122/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	24.6	98	22.4	90	9	81-114/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	22.8	91	20.9	84	9	82-126/10
100-41-4	Ethylbenzene	5.3		25	30.2	100	27.4	88	10	87-118/10
99-87-6	p-Isopropyltoluene	ND		25	26.5	106	24.1	96	9	83-125/9
91-20-3	Naphthalene	19.0		25	47.1	112	46.3	109	2	59-125/15
103-65-1	n-Propylbenzene	1.2		25	29.5	113	26.5	101	11*	86-125/10
71-55-6	1,1,1-Trichloroethane	ND		25	26.3	105	24.0	96	9	79-133/11
79-00-5	1,1,2-Trichloroethane	ND		25	26.1	104	24.4	98	7	80-114/11
95-63-6	1,2,4-Trimethylbenzene	36.5		25	63.9	110	57.3	83	11*	82-120/10
127-18-4	Tetrachloroethylene	ND		25	26.5	106	24.5	98	8	80-131/12
108-88-3	Toluene	4.0		25	27.4	94	25.2	85*	8	86-116/10
79-01-6	Trichloroethylene	ND		25	24.7	99	23.7	95	4	85-124/10
75-01-4	Vinyl chloride	ND		25	22.1	88	20.3	81	8	57-153/22
	m,p-Xylene	35.8		50	87.1	103	78.1	85*	11*	86-121/10
95-47-6	o-Xylene	25.0		25	51.3	105	46.6	86	10	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F92425-1	Limits
1868-53-7	Dibromofluoromethane	101%	101%	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	97%	97%	100%	76-127%
2037-26-5	Toluene-D8	98%	98%	94%	86-112%
460-00-4	4-Bromofluorobenzene	95%	97%	96%	84-120%

Instrument Performance Check (BFB)

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VJ3923-BFB
Lab File ID: J074048.D
Instrument ID: GCMSJ
Injection Date: 04/19/12
Injection Time: 13:58

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	36915	26.7		Pass
75	30.0 - 60.0% of mass 95	69272	50.1		Pass
95	Base peak, 100% relative abundance	138216	100.0		Pass
96	5.0 - 9.0% of mass 95	10059	7.28		Pass
173	Less than 2.0% of mass 174	603	0.44	(0.53) [a]	Pass
174	50.0 - 100.0% of mass 95	112731	81.6		Pass
175	5.0 - 9.0% of mass 174	8230	5.95	(7.30) [a]	Pass
176	95.0 - 101.0% of mass 174	109941	79.5	(97.5) [a]	Pass
177	5.0 - 9.0% of mass 176	7381	5.34	(6.71) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VJ3923-IC3923	J074049.D	04/19/12	14:26	00:28	Initial cal 1
VJ3923-IC3923	J074050.D	04/19/12	14:49	00:51	Initial cal 2
VJ3923-IC3923	J074051.D	04/19/12	15:12	01:14	Initial cal 3
VJ3923-ICC3923	J074052.D	04/19/12	15:50	01:52	Initial cal 4
VJ3923-IC3923	J074053.D	04/19/12	16:13	02:15	Initial cal 5
VJ3923-IC3923	J074054.D	04/19/12	16:36	02:38	Initial cal 6
VJ3923-ICV3923	J074055.D	04/19/12	16:59	03:01	Initial cal verification 4
VJ3923-BS	J074056.D	04/19/12	17:30	03:32	Blank Spike
VJ3925-BS	J074056.D	04/19/12	17:30	03:32	Blank Spike
VJ3923-MB	J074057.D	04/19/12	17:53	03:55	Method Blank
VJ3925-MB	J074057.D	04/19/12	17:53	03:55	Method Blank
VJ3924-BS	J074058.D	04/19/12	18:16	04:18	Blank Spike
OP41429-LB	J074059.D	04/19/12	18:40	04:42	Leachate Blank
ZZZZZZ	J074060.D	04/19/12	19:03	05:05	(unrelated sample)
F92139-1	J074061.D	04/19/12	19:26	05:28	(used for QC only; not part of job F92489)
F92139-1DUP	J074062.D	04/19/12	19:49	05:51	Duplicate
F92136-1	J074063.D	04/19/12	20:13	06:15	(used for QC only; not part of job F92489)
F92124-15	J074065.D	04/19/12	20:59	07:01	(used for QC only; not part of job F92489)
ZZZZZZ	J074066.D	04/19/12	21:22	07:24	(unrelated sample)
ZZZZZZ	J074067.D	04/19/12	21:45	07:47	(unrelated sample)
ZZZZZZ	J074068.D	04/19/12	22:08	08:10	(unrelated sample)
ZZZZZZ	J074069.D	04/19/12	22:31	08:33	(unrelated sample)
ZZZZZZ	J074070.D	04/19/12	22:54	08:56	(unrelated sample)
ZZZZZZ	J074071.D	04/19/12	23:17	09:19	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VJ3923-BFB
Lab File ID: J074048.D
Instrument ID: GCMSJ
Injection Date: 04/19/12
Injection Time: 13:58

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	J074072.D	04/19/12	23:40	09:42	(unrelated sample)
F92136-1MS	J074073.D	04/20/12	00:04	10:06	Matrix Spike
F92136-1MSD	J074074.D	04/20/12	00:27	10:29	Matrix Spike Duplicate
F92124-15MS	J074075.D	04/20/12	00:50	10:52	Matrix Spike
F92124-15MSD	J074076.D	04/20/12	01:13	11:15	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VJ3944-BFB
Lab File ID: J074427.D
Instrument ID: GCMSJ
Injection Date: 05/02/12
Injection Time: 09:13

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	33061	26.2		Pass
75	30.0 - 60.0% of mass 95	61893	49.0		Pass
95	Base peak, 100% relative abundance	126371	100.0		Pass
96	5.0 - 9.0% of mass 95	8053	6.37		Pass
173	Less than 2.0% of mass 174	455	0.36	(0.44) [a]	Pass
174	50.0 - 100.0% of mass 95	103205	81.7		Pass
175	5.0 - 9.0% of mass 174	7154	5.66	(6.93) [a]	Pass
176	95.0 - 101.0% of mass 174	99840	79.0	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	6831	5.41	(6.84) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VJ3944-CC3923	J074428.D	05/02/12	09:37	00:24	Continuing cal 4
VJ3944-MB	J074430.D	05/02/12	10:38	01:25	Method Blank
VJ3944-BS	J074431.D	05/02/12	11:02	01:49	Blank Spike
F92489-5	J074432.D	05/02/12	11:43	02:30	MW-GAW2
F92489-6	J074433.D	05/02/12	12:06	02:53	MW-GAW12
ZZZZZZ	J074434.D	05/02/12	12:29	03:16	(unrelated sample)
F92425-1	J074435.D	05/02/12	12:52	03:39	(used for QC only; not part of job F92489)
F92489-2	J074436.D	05/02/12	13:16	04:03	NW-E-9
F92489-7	J074438.D	05/02/12	14:03	04:50	MW-ERH2
F92489-8	J074439.D	05/02/12	14:26	05:13	NW-R-14
F92489-1	J074440.D	05/02/12	14:52	05:39	NW-G-12
ZZZZZZ	J074441.D	05/02/12	15:15	06:02	(unrelated sample)
F92425-1MS	J074442.D	05/02/12	15:39	06:26	Matrix Spike
F92425-1MSD	J074443.D	05/02/12	16:02	06:49	Matrix Spike Duplicate
ZZZZZZ	J074444.D	05/02/12	16:26	07:13	(unrelated sample)
ZZZZZZ	J074445.D	05/02/12	16:49	07:36	(unrelated sample)
ZZZZZZ	J074446.D	05/02/12	17:13	08:00	(unrelated sample)
ZZZZZZ	J074447.D	05/02/12	17:36	08:23	(unrelated sample)
ZZZZZZ	J074448.D	05/02/12	18:00	08:47	(unrelated sample)
F92489-2	J074449.D	05/02/12	18:23	09:10	NW-E-9
F92489-4	J074450.D	05/02/12	18:46	09:33	MW-227
ZZZZZZ	J074451.D	05/02/12	19:10	09:57	(unrelated sample)
ZZZZZZ	J074452.D	05/02/12	19:33	10:20	(unrelated sample)
ZZZZZZ	J074453.D	05/02/12	19:56	10:43	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample:	VJ3944-BFB	**Injection Date:**	05/02/12
Lab File ID:	J074427.D	**Injection Time:**	09:13
Instrument ID:	GCMSJ		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	J074454.D	05/02/12	20:20	11:07	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VO372-BFB
Lab File ID: O8598.D
Instrument ID: GCMSO
Injection Date: 04/30/12
Injection Time: 11:33

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	41457	26.4		Pass
75	30.0 - 60.0% of mass 95	69816	44.5		Pass
95	Base peak, 100% relative abundance	157056	100.0		Pass
96	5.0 - 9.0% of mass 95	10456	6.66		Pass
173	Less than 2.0% of mass 174	709	0.45	(0.62) [a]	Pass
174	50.0 - 100.0% of mass 95	114101	72.6		Pass
175	5.0 - 9.0% of mass 174	7899	5.03	(6.92) [a]	Pass
176	95.0 - 101.0% of mass 174	110045	70.1	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	7061	4.50	(6.42) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO372-IC372	O8599.D	04/30/12	12:16	00:43	Initial cal 1
VO372-IC372	O8600.D	04/30/12	12:37	01:04	Initial cal 2
VO372-IC372	O8601.D	04/30/12	12:58	01:25	Initial cal 3
VO372-ICC372	O8602.D	04/30/12	13:32	01:59	Initial cal 4
VO372-IC372	O8603.D	04/30/12	13:53	02:20	Initial cal 5
VO372-IC372	O8604.D	04/30/12	14:15	02:42	Initial cal 6
VO372-ICV372	O8605.D	04/30/12	14:48	03:15	Initial cal verification 4

Instrument Performance Check (BFB)

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VO373-BFB
Lab File ID: O8634.D
Instrument ID: GCMSO
Injection Date: 05/01/12
Injection Time: 08:55

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	25379	28.1		Pass
75	30.0 - 60.0% of mass 95	40728	45.0		Pass
95	Base peak, 100% relative abundance	90443	100.0		Pass
96	5.0 - 9.0% of mass 95	6274	6.94		Pass
173	Less than 2.0% of mass 174	313	0.35	(0.52) [a]	Pass
174	50.0 - 100.0% of mass 95	60635	67.0		Pass
175	5.0 - 9.0% of mass 174	4343	4.80	(7.16) [a]	Pass
176	95.0 - 101.0% of mass 174	58912	65.1	(97.2) [a]	Pass
177	5.0 - 9.0% of mass 176	3788	4.19	(6.43) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO373-CC372	O8635.D	05/01/12	09:19	00:24	Continuing cal 4
VO373-BS	O8636.D	05/01/12	09:51	00:56	Blank Spike
VO373-MB	O8637.D	05/01/12	10:12	01:17	Method Blank
ZZZZZZ	O8638.D	05/01/12	10:40	01:45	(unrelated sample)
ZZZZZZ	O8639.D	05/01/12	11:01	02:06	(unrelated sample)
ZZZZZZ	O8641.D	05/01/12	11:44	02:49	(unrelated sample)
ZZZZZZ	O8642.D	05/01/12	12:05	03:10	(unrelated sample)
F92213-2	O8643.D	05/01/12	12:26	03:31	(used for QC only; not part of job F92489)
ZZZZZZ	O8644.D	05/01/12	12:48	03:53	(unrelated sample)
ZZZZZZ	O8645.D	05/01/12	13:09	04:14	(unrelated sample)
ZZZZZZ	O8646.D	05/01/12	13:30	04:35	(unrelated sample)
ZZZZZZ	O8647.D	05/01/12	13:52	04:57	(unrelated sample)
ZZZZZZ	O8648.D	05/01/12	14:13	05:18	(unrelated sample)
ZZZZZZ	O8649.D	05/01/12	14:35	05:40	(unrelated sample)
F92213-2MS	O8650.D	05/01/12	14:57	06:02	Matrix Spike
F92213-2MSD	O8651.D	05/01/12	15:19	06:24	Matrix Spike Duplicate
F92489-3	O8654.D	05/01/12	16:23	07:28	NW-D-9
F92489-8	O8659.D	05/01/12	18:11	09:16	NW-R-14

Volatile Internal Standard Area Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std:	VJ3944-CC3923	**Injection Date:**	05/02/12
Lab File ID:	J074428.D	**Injection Time:**	09:37
Instrument ID:	GCMSJ	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Initial Cal [a]	637596	7.85	445669	10.95	248881	13.30	91725	5.37
Check Std [b]	633318	7.85	451195	10.94	260216	13.30	86240	5.38
Upper Limit [c]	1266636	8.35	902390	11.44	520432	13.80	172480	5.88
Lower Limit [d]	316659	7.35	225598	10.44	130108	12.80	43120	4.88

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
VJ3944-MB	593499	7.85	452010	10.95	242974	13.30	79970	5.38
VJ3944-BS	606080	7.85	438163	10.94	242931	13.30	83343	5.38
F92489-5 [e]	609743	7.85	452759	10.94	250890	13.30	72584	5.36
F92489-6 [e]	580223	7.85	434021	10.95	236203	13.30	69169	5.37
ZZZZZZ	608409	7.85	454144	10.95	250191	13.30	76765	5.38
F92425-1	603539	7.85	454557	10.95	250494	13.30	79475	5.37
F92489-2 [e]	597157	7.85	441991	10.95	239345	13.30	80243	5.37
F92489-7 [e]	584360	7.85	437964	10.94	238566	13.30	85124	5.37
F92489-8 [e]	585552	7.85	431778	10.95	238685	13.30	87316	5.37
F92489-1 [e]	569543	7.85	424449	10.95	234127	13.30	85737	5.37
ZZZZZZ	558329	7.85	397846	10.94	227787	13.30	83978	5.38
F92425-1MS	575036	7.85	418440	10.95	234468	13.30	83748	5.37
F92425-1MSD	609747	7.85	446892	10.95	252000	13.30	97445	5.37
ZZZZZZ	607676	7.85	459646	10.95	244614	13.30	87960	5.37
ZZZZZZ	608241	7.85	444005	10.95	247866	13.30	89858	5.38
ZZZZZZ	607732	7.85	446122	10.94	247831	13.30	91282	5.37
ZZZZZZ	600474	7.85	449267	10.95	244039	13.30	92611	5.37
ZZZZZZ	597436	7.85	437256	10.95	242737	13.30	92644	5.37
F92489-2 [e]	622649	7.85	459197	10.95	253053	13.30	93406	5.38
F92489-4 [e]	595827	7.85	440766	10.94	245053	13.30	86708	5.37
ZZZZZZ	555892	7.85	415386	10.95	223243	13.30	86529	5.38
ZZZZZZ	571847	7.85	425338	10.95	233918	13.30	85351	5.38
ZZZZZZ	592524	7.85	428769	10.94	236568	13.30	87396	5.38
ZZZZZZ	595776	7.85	436541	10.94	242524	13.30	88183	5.37

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4
IS 4 = Tert Butyl Alcohol-D10

(a) Initial Cal is: VJ3923-ICC3923 J074052.D 04/19/12 15:50
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std:	VJ3944-CC3923	**Injection Date:**	05/02/12
Lab File ID:	J074428.D	**Injection Time:**	09:37
Instrument ID:	GCMSJ	**Method:**	SW846 8260B

Lab	IS 1		IS 2		IS 3		IS 4	
Sample ID	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**

(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(e) Sample was not preserved to a pH < 2.

Volatile Internal Standard Area Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std:	VO373-CC372	**Injection Date:**	05/01/12
Lab File ID:	O8635.D	**Injection Time:**	09:19
Instrument ID:	GCMSO	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Initial Cal [a]	1726375	7.69	1165682	10.82	554400	13.29	169243	5.35
Check Std [b]	1591209	7.69	1091146	10.82	522930	13.29	154780	5.35
Upper Limit [c]	3182418	8.19	2182292	11.32	1045860	13.79	309560	5.85
Lower Limit [d]	795605	7.19	545573	10.32	261465	12.79	77390	4.85

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
VO373-BS	1680058	7.70	1147933	10.82	545560	13.29	166991	5.36
VO373-MB	1416327	7.70	973266	10.82	451141	13.29	127950	5.35
ZZZZZZ	1417566	7.69	979687	10.82	459546	13.29	112750	5.34
ZZZZZZ	1549030	7.69	1014981	10.82	486798	13.29	146304	5.33
ZZZZZZ	1444304	7.69	986601	10.82	476371	13.29	134045	5.34
ZZZZZZ	1397745	7.69	969496	10.82	448067	13.29	123927	5.33
F92213-2	1339989	7.69	930206	10.82	434241	13.29	120417	5.33
ZZZZZZ	1327094	7.70	919622	10.82	427833	13.29	120925	5.34
ZZZZZZ	1308321	7.70	904302	10.82	420093	13.29	119151	5.34
ZZZZZZ	1265690	7.70	875770	10.82	408277	13.29	117542	5.35
ZZZZZZ	1259790	7.69	871989	10.82	405852	13.29	116943	5.34
ZZZZZZ	1218737	7.69	839177	10.82	391149	13.29	114295	5.34
ZZZZZZ	1198277	7.70	832195	10.82	388743	13.29	116708	5.33
F92213-2MS	1261465	7.70	877723	10.82	422046	13.29	123562	5.34
F92213-2MSD	1299760	7.69	895793	10.82	431876	13.29	136272	5.34
F92489-3 [e]	1188113	7.70	824179	10.82	382993	13.29	110593	5.34
F92489-8 [e]	1176814	7.69	812327	10.82	380100	13.29	110231	5.35

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4
IS 4 = Tert Butyl Alcohol-D10

(a) Initial Cal is: VO372-ICC372 O8602.D 04/30/12 13:32
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(e) Sample was not preserved to a pH < 2.

Volatile Surrogate Recovery Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
F92489-1	J074440.D	102.0	102.0	96.0	96.0
F92489-2	J074449.D	103.0	100.0	95.0	95.0
F92489-2	J074436.D	100.0	100.0	97.0	97.0
F92489-3	O8654.D	102.0	108.0	102.0	100.0
F92489-4	J074450.D	102.0	100.0	96.0	95.0
F92489-5	J074432.D	101.0	100.0	97.0	96.0
F92489-6	J074433.D	100.0	98.0	95.0	97.0
F92489-7	J074438.D	104.0	101.0	96.0	96.0
F92489-8	J074439.D	104.0	102.0	97.0	98.0
F92489-8	O8659.D	102.0	108.0	102.0	99.0
F92213-2MS	O8650.D	102.0	110.0	101.0	99.0
F92213-2MSD	O8651.D	102.0	110.0	101.0	98.0
F92425-1MS	J074442.D	101.0	97.0	98.0	95.0
F92425-1MSD	J074443.D	101.0	97.0	98.0	97.0
VJ3944-BS	J074431.D	101.0	96.0	98.0	96.0
VJ3944-MB	J074430.D	104.0	100.0	95.0	98.0
VO373-BS	O8636.D	102.0	108.0	102.0	100.0
VO373-MB	O8637.D	102.0	107.0	102.0	101.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	87-116%
S2 = 1,2-Dichloroethane-D4	76-127%
S3 = Toluene-D8	86-112%
S4 = 4-Bromofluorobenzene	84-120%

Initial Calibration Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VJ3923-ICC3923
Lab FileID: J074052.D

Response Factor Report MSVOA6

```
Method       : C:\MSDchem\1\METHODS\8260-japp9.m (RTE Integrator)
Title        : SW-846 Method 5030B/8260B & EPA 624
Last Update  : Fri Apr 20 10:14:21 2012
Response via : Initial Calibration

Calibration Files
1   =J074049.D   2   =J074050.D   3   =J074051.D   4   =J074052.D
5      =J074053.D    6      =J074054.D

      Compound              1     2     3     4     5     6     Avg    %RSD
-------------------------------------------------------------------------------

1) I   Fluorobenzene         ----------------ISTD---------------------
2)     Dichlorodifluoromet 0.195 0.298 0.366 0.386 0.374 0.359 0.329  22.12
           ---- Linear regr., Force(0,0) ----  Coefficient =  0.9985
             Response Ratio = 0.00000 + 0.36600 *A

3) P   Chloromethane       0.566 0.582 0.671 0.729 0.711 0.635 0.649  10.29
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9983
             Response Ratio = 0.00000 + 0.78957 *A + -0.07338 *A^2

4) C   Vinyl Chloride      0.317 0.325 0.415 0.428 0.424 0.413 0.387  13.26
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
             Response Ratio = 0.00000 + 0.43427 *A + -0.01012 *A^2

5)     Bromomethane        0.265 0.186 0.192 0.192 0.169 0.158 0.193  19.33
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9995
             Response Ratio = 0.00000 + 0.20532 *A + -0.02410 *A^2

6)     Chloroethane        0.186 0.183 0.195 0.199 0.176 0.159 0.183   7.81
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
             Response Ratio = 0.00000 + 0.21738 *A + -0.02918 *A^2

7)     Trichlorofluorometh 0.331 0.345 0.427 0.434 0.451 0.425 0.402  12.61
           ---- Linear regr., Force(0,0) ----  Coefficient =  0.9984
             Response Ratio = 0.00000 + 0.43338 *A

8)     Ethyl Ether         0.422 0.349 0.385 0.424 0.422 0.395 0.399   7.43
9)     1,2-Dichlorotrifluo 0.450 0.397 0.425 0.479 0.478 0.443 0.445   7.08
10) C  1,1-Dichloroethene  0.602 0.519 0.562 0.632 0.633 0.593 0.590   7.41
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9986
             Response Ratio = 0.00000 + 0.65141 *A + -0.02642 *A^2

11)    Freon 113           0.305 0.293 0.312 0.345 0.333 0.319 0.318   5.96
12)    Carbon Disulfide    1.074 0.913 0.999 1.139 1.123 1.051 1.050   7.99
13)    Iodomethane         0.482 0.430 0.453 0.530 0.528 0.502 0.488   8.29
14)    Allyl chloride      0.582 0.612 0.733 0.805 0.826 0.787 0.724  14.32
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9989
             Response Ratio = 0.00000 + 0.81929 *A + -0.01251 *A^2

15)    Methylene Chloride  2.851 0.963 0.739 0.774 0.747 0.686 1.127  75.46
           ---- Linear regr., Force(0,0) ----  Coefficient =  0.9965
             Response Ratio = 0.00000 + 0.71409 *A

16)    Acetone             0.047 0.034 0.031 0.032 0.035 0.034 0.036  16.00
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9984
             Response Ratio = 0.00000 + 0.03300 *A + 0.00014 *A^2
```

Initial Calibration Summary

Job Number: F92489 **Sample:** VJ3923-ICC3923
Account: URSNCM URS Corporation **Lab FileID:** J074052.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
17)      Methyl acetate       0.051 0.049 0.051 0.058 0.057 0.053 0.053   6.45
18)      trans-1,2-Dichloroe 0.664 0.578 0.584 0.664 0.666 0.612 0.628   6.66
19)      Hexane               0.452 0.401 0.426 0.483 0.482 0.447 0.449   7.16
20)      Methyl Tert Butyl E 1.005 0.924 0.926 1.073 1.052 0.977 0.993   6.29
21)      Acetonitrile         0.030 0.006 0.005 0.006 0.006 0.005 0.009  106.09
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9908
               Response Ratio = 0.00000 + 0.00665 *A + -0.00010 *A^2

22)      Di-isopropyl ether  1.802 1.595 1.643 1.895 1.879 1.744 1.760   6.97
23)      Chloroprene          0.494 0.523 0.691 0.738 0.764 0.724 0.656  17.81
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9984
               Response Ratio = 0.00000 + 0.73593 *A

24) P    1,1-Dichloroethane  0.688 0.653 0.660 0.759 0.771 0.709 0.707   7.02
25)      Acrylonitrile        0.177 0.169 0.170 0.184 0.186 0.174 0.177   4.04
26)      ETBE                 1.451 1.302 1.346 1.524 1.518 1.384 1.421   6.46
27)      Vinyl acetate        0.808 0.806 0.817 0.870 0.821 0.738 0.810   5.24
28)      cis-1,2-Dichloroeth 0.353 0.299 0.311 0.356 0.358 0.332 0.335   7.49
29)      2,2-Dichloropropane 0.427 0.404 0.438 0.512 0.523 0.474 0.463  10.37
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9968
               Response Ratio = 0.00000 + 0.53895 *A + -0.02865 *A^2

30)      Bromochloromethane  0.154 0.144 0.150 0.166 0.169 0.157 0.157   6.09
31)      Cyclohexane          0.834 0.754 0.794 0.916 0.929 0.853 0.847   8.04
32) C    Chloroform           0.582 0.512 0.527 0.593 0.590 0.540 0.557   6.34
33)      Ethyl acetate        0.371 0.360 0.394 0.412 0.406 0.375 0.386   5.34
34)      Tetrahydrofuran      0.182 0.145 0.135 0.152 0.153 0.141 0.152  10.83
35) S    Dibromofluoromethan 0.264 0.258 0.245 0.247 0.253 0.242 0.251   3.36
36)      Carbon Tetrachlorid 0.343 0.323 0.348 0.400 0.403 0.380 0.366   9.01
37)      1,1,1-Trichloroetha 0.412 0.402 0.415 0.475 0.491 0.452 0.441   8.35
38)      2-Butanone           0.280 0.221 0.220 0.274 0.253 0.226 0.246  11.05
39)      1,1-Dichloropropene 0.384 0.389 0.418 0.471 0.476 0.442 0.430   9.20
40)      Propionitrile        0.049 0.056 0.064 0.068 0.066 0.061 0.061  11.95
41)      Methacrylonitrile    0.222 0.230 0.265 0.274 0.253 0.227 0.245   8.88
42)      Benzene              1.253 1.151 1.192 1.333 1.308 1.184 1.237   5.90
43)      TAME                 0.982 0.875 0.924 1.071 1.053 0.972 0.980   7.62
44) S    1,2-Dichloroethane- 0.386 0.387 0.364 0.365 0.376 0.361 0.373   3.11
45)      1,2-Dichloroethane  0.526 0.472 0.485 0.555 0.542 0.505 0.514   6.39
46)      Trichloroethene      0.267 0.261 0.284 0.319 0.326 0.294 0.292   9.15
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9972
               Response Ratio = 0.00000 + 0.34058 *A + -0.02096 *A^2

47)      Methylcyclohexane    0.537 0.515 0.557 0.626 0.633 0.581 0.575   8.31
48)      Dibromomethane       0.174 0.173 0.179 0.203 0.204 0.185 0.186   7.61
49) C    1,2-Dichloropropane 0.426 0.372 0.380 0.440 0.439 0.407 0.411   7.20
50)      Bromodichloromethan 0.394 0.337 0.373 0.422 0.432 0.401 0.393   8.80
51)      Methyl methacrylate 0.268 0.273 0.361 0.402 0.413 0.385 0.350  18.41
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9982
               Response Ratio = 0.00000 + 0.41539 *A + -0.01268 *A^2

52)      2-Chloroethyl vinyl 0.243 0.227 0.241 0.269 0.263 0.238 0.247   6.47
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9981
               Response Ratio = 0.00000 + 0.28725 *A + -0.00466 *A^2

53)      cis-1,3-Dichloropro 0.475 0.427 0.481 0.551 0.561 0.520 0.502  10.18

54) I    Chlorobenzene-d5       ----------------ISTD---------------------
55) S    Toluene-d8           1.306 1.325 1.273 1.333 1.356 1.305 1.316   2.16
56) C    Toluene              1.765 1.596 1.705 1.884 1.908 1.760 1.770   6.53
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9982
```

Initial Calibration Summary

Job Number: F92489 **Sample:** VJ3923-ICC3923
Account: URSNCM URS Corporation **Lab FileID:** J074052.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
                Response Ratio = 0.00000 + 1.97987 *A + -0.09969 *A^2

57)     2-Nitropropane      0.125 0.110 0.129 0.159 0.163 0.153 0.140  15.18
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9973
                Response Ratio = 0.00000 + 0.15953 *A + -0.00047 *A^2

58)     4-Methyl-2-pentanon 0.625 0.555 0.585 0.651 0.634 0.577 0.604   6.21
59)     trans-1,3-Dichlorop 0.527 0.513 0.591 0.653 0.671 0.620 0.596  10.94
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9980
                Response Ratio = 0.00000 + 0.68404 *A + -0.02804 *A^2

60)     Tetrachloroethene   0.429 0.372 0.411 0.450 0.470 0.447 0.430   8.09
61)     Ethyl methacrylate  0.411 0.449 0.606 0.638 0.663 0.638 0.567  19.14
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9991
                Response Ratio = 0.00000 + 0.64406 *A

62)     1,1,2-Trichloroetha 0.286 0.312 0.320 0.370 0.375 0.348 0.335  10.40
63)     Dibromochloromethan 0.353 0.322 0.367 0.421 0.445 0.423 0.388  12.38
64)     1,3-Dichloropropane 0.722 0.642 0.678 0.759 0.782 0.714 0.716   7.17
65)     1,2-Dibromoethane   0.388 0.353 0.395 0.439 0.459 0.423 0.409   9.29
66)     2-hexanone          0.395 0.361 0.385 0.431 0.439 0.399 0.402   7.25
67)     1-Chlorohexane      0.574 0.536 0.589 0.677 0.704 0.659 0.623  10.59
68) C   Ethylbenzene        1.937 1.768 1.868 2.031 2.034 1.843 1.914   5.59
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9981
                Response Ratio = 0.00000 + 2.17855 *A + -0.15658 *A^2

69) P   Chlorobenzene       1.013 0.992 1.051 1.164 1.167 1.078 1.077   6.90
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9965
                Response Ratio = 0.00000 + 1.11088 *A

70)     1,1,1,2-Tetrachloro 0.343 0.319 0.361 0.421 0.433 0.410 0.381  12.24
71)     m,p-Xylene          1.398 1.346 1.464 1.592 1.564 1.384 1.458   6.91
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9978
                Response Ratio = 0.00000 + 1.74006 *A + -0.08439 *A^2

72)     o-Xylene            1.521 1.416 1.550 1.757 1.747 1.616 1.601   8.35
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9983
                Response Ratio = 0.00000 + 1.83009 *A + -0.09846 *A^2

73)     Styrene             1.034 1.088 1.216 1.378 1.426 1.324 1.244  12.79
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9970
                Response Ratio = 0.00000 + 1.35557 *A

74) P   Bromoform           0.208 0.205 0.238 0.291 0.313 0.300 0.259  18.61
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9972
                Response Ratio = 0.00000 + 0.28629 *A + 0.00882 *A^2

75)     Isopropylbenzene    1.523 1.510 1.662 1.884 1.919 1.769 1.711  10.29
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9978
                Response Ratio = 0.00000 + 1.96766 *A + -0.08806 *A^2


76) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
77) S   4-Bromofluorobenzen 0.950 0.971 0.949 0.953 1.011 0.981 0.969   2.52
78)     cis-1,4-Dichloro-2- 0.277 0.275 0.363 0.408 0.437 0.418 0.363  19.78
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9981
                Response Ratio = 0.00000 + 0.41079 *A + 0.00615 *A^2

79)     n-Propylbenzene     4.026 3.788 4.098 4.484 4.472 4.061 4.155   6.57
80)     Bromobenzene        1.017 0.830 0.877 0.941 0.989 0.915 0.928   7.51
```

Initial Calibration Summary

Job Number: F92489 **Sample:** VJ3923-ICC3923
Account: URSNCM URS Corporation **Lab FileID:** J074052.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
 81) P   1,1,2,2-Tetrachloro 0.978 0.901 0.938 1.025 1.061 0.971 0.979   5.90
 82)     1,3,5-Trimethylbenz 2.940 2.712 2.991 3.303 3.317 3.015 3.046   7.57
 83)     2-Chlorotoluene     2.664 2.579 2.774 2.968 2.920 2.640 2.757   5.74
 84)     trans-1,4-Dichloro- 0.325 0.329 0.393 0.446 0.458 0.436 0.398  14.83
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9985
               Response Ratio = 0.00000 + 0.45011 *A + -0.00469 *A^2

 85)     1,2,3-Trichloroprop 0.271 0.234 0.246 0.275 0.277 0.262 0.261   6.65
 86)     Cyclohexanone       0.040 0.034 0.037 0.043 0.043 0.041 0.040   8.83
 87)     4-Chlorotoluene     2.532 2.363 2.553 2.817 2.857 2.589 2.618   7.13
 88)     tert-Butylbenzene   1.682 1.437 1.671 1.842 1.888 1.712 1.705   9.30
 89)     1,2,4-Trimethylbenz 2.860 2.728 2.994 3.342 3.332 3.010 3.045   8.17
 90)     Pentachloroethane   0.416 0.357 0.460 0.502 0.540 0.501 0.463  14.47
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9972
               Response Ratio = 0.00000 + 0.52415 *A + -0.00755 *A^2

 91)     sec-Butylbenzene    3.426 3.413 3.863 4.233 4.297 3.937 3.862   9.86
 92)     4-Isopropyltoluene  2.429 2.459 2.800 3.198 3.271 2.987 2.857  12.62
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9974
               Response Ratio = 0.00000 + 3.35979 *A + -0.16485 *A^2

 93)     1,3-Dichlorobenzene 1.505 1.442 1.570 1.782 1.808 1.648 1.626   9.11
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9975
               Response Ratio = 0.00000 + 1.88043 *A + -0.10501 *A^2

 94)     1,4-Dichlorobenzene 1.616 1.480 1.545 1.762 1.798 1.660 1.643   7.46
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9978
               Response Ratio = 0.00000 + 1.83641 *A + -0.07782 *A^2

 95)     n-Butylbenzene      1.575 1.486 1.812 2.090 2.108 1.927 1.833  14.19
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9975
               Response Ratio = 0.00000 + 2.18689 *A + -0.11686 *A^2

 96)     Benzyl Chloride     0.288 0.221 0.323 0.396 0.421 0.395 0.341  22.71
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9965
               Response Ratio = 0.00000 + 0.39709 *A + 0.00220 *A^2

 97)     1,2-Dichlorobenzene 1.585 1.410 1.522 1.702 1.733 1.605 1.593   7.45
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9981
               Response Ratio = 0.00000 + 1.77728 *A + -0.07680 *A^2

 98)     1,2-Dibromo-3-Chlor 0.139 0.144 0.160 0.191 0.198 0.183 0.169  14.80
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9969
               Response Ratio = 0.00000 + 0.19643 *A + -0.00528 *A^2

 99)     Hexachlorobutadiene 0.639 0.493 0.632 0.721 0.747 0.702 0.656  14.01
100)     1,2,4-Trichlorobenz 1.165 0.978 1.126 1.305 1.304 1.191 1.178  10.39
101)     Naphthalene         2.254 2.201 2.512 2.990 2.913 2.647 2.586  12.69
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9974
               Response Ratio = 0.00000 + 3.12298 *A + -0.22155 *A^2

102)     1,2,3-Trichlorobenz 1.061 0.884 1.018 1.198 1.176 1.073 1.068  10.69
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9975
               Response Ratio = 0.00000 + 1.25018 *A + -0.08198 *A^2


103) I   Tert Butyl Alcohol-d1 ----------------ISTD---------------------
104)     Ethanol             0.357 0.226 0.197 0.185 0.209 0.189 0.227  28.66
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9956
               Response Ratio = 0.00000 + 0.20767 *A + -0.00195 *A^2
```

Initial Calibration Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: VJ3923-ICC3923
Lab FileID: J074052.D

105)	acrolein	1.615	1.298	1.298	1.389	1.503	1.486	1.431	8.79
106)	Tert Butyl Alcohol	1.727	1.323	1.348	1.492	1.501	1.495	1.481	9.74
107)	tert Amyl alcohol	1.291	0.965	1.056	1.190	1.248	1.224	1.163	10.79
108)	Isobutyl alcohol	0.226	0.156	0.175	0.172	0.172	0.162	0.177	14.09
109)	1,4-Dioxane	0.140	0.093	0.113	0.130	0.142	0.133	0.125	15.18

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9965
Response Ratio = 0.00000 + 0.13277 *A + 0.00035 *A^2

(#) = Out of Range

8260-japp9.m Fri Apr 20 11:01:58 2012

Initial Calibration Verification

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: VJ3923-ICV3923
Lab FileID: J074055.D

Evaluate Continuing Calibration Report

Data File : C:\MSDchem\1\DATA\041912\J074055.D Vial: 7
Acq On : 19 Apr 2012 4:59 pm Operator: MELISSAM
Sample : ICV3923-4 Inst : MSVOA6
Misc : MS20657,VJ3923,,,,, Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDchem\1\METHODS\8260-japp9.m (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Fri Apr 20 10:14:21 2012
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	102	0.00	7.85
		Amount	Calc.	%Drift			
2	Dichlorodifluoromethane	40.000	37.141	7.1	90	0.00	2.67
3 P	Chloromethane	40.000	39.079	2.3	100	0.00	2.90
4 C	Vinyl Chloride	40.000	41.228	-3.1	105	0.00	3.05
5	Bromomethane	40.000	43.075	-7.7	106	0.00	3.49
6	Chloroethane	40.000	38.030	4.9	95	0.00	3.65
7	Trichlorofluoromethane	40.000	40.826	-2.1	104	-0.01	3.86
		AvgRF	CCRF	%Dev			
8	Ethyl Ether	0.399	0.419	-5.0	101	0.00	4.17
9	1,2-Dichlorotrifluoroetha	0.445	0.441	0.9	94	0.00	4.42
		Amount	Calc.	%Drift			
10 C	1,1-Dichloroethene	40.000	41.284	-3.2	105	0.00	4.46
		AvgRF	CCRF	%Dev			
11	Freon 113	0.318	0.335	-5.3	99	0.00	4.51
12	Carbon Disulfide	1.050	1.098	-4.6	99	0.00	4.53
13	Iodomethane	0.488	0.513	-5.1	99	0.00	4.65
		Amount	Calc.	%Drift			
14	Allyl chloride	40.000	32.825	17.9	84	0.00	5.00
15	Methylene Chloride	40.000	43.659	-9.1	103	0.00	5.12
16	Acetone	200.000	203.521	-1.8	108	0.01	5.16
		AvgRF	CCRF	%Dev			
17	Methyl acetate	0.053	0.058	-9.4	102	0.00	5.27
18	trans-1,2-Dichloroethene	0.628	0.656	-4.5	101	0.00	5.30
19	Hexane	0.449	0.468	-4.2	99	0.00	5.37
20	Methyl Tert Butyl Ether	0.993	1.081	-8.9	103	0.00	5.41
		Amount	Calc.	%Drift			
21	Acetonitrile	400.000	355.304	11.2	91	0.00	5.37
		AvgRF	CCRF	%Dev			
22	Di-isopropyl ether	1.760	1.909	-8.5	103	0.00	5.80
		Amount	Calc.	%Drift			
23	Chloroprene	40.000	37.122	7.2	95	0.00	5.96

Initial Calibration Verification

Job Number: F92489 **Sample:** VJ3923-ICV3923
Account: URSNCM URS Corporation **Lab FileID:** J074055.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

			AvgRF	CCRF	%Dev			
24	P	1,1-Dichloroethane	0.707	0.787	-11.3	106	0.00	5.99
25		Acrylonitrile	0.177	0.179	-1.1	99	0.00	6.03
26		ETBE	1.421	1.524	-7.2	102	0.00	6.20
27		Vinyl acetate	0.810	0.712	12.1	84	0.00	6.20
28		cis-1,2-Dichloroethene	0.335	0.365	-9.0	105	0.00	6.57
			Amount	Calc.	%Drift			
29		2,2-Dichloropropane	40.000	39.390	1.5	102	0.00	6.70
			AvgRF	CCRF	%Dev			
30		Bromochloromethane	0.157	0.164	-4.5	101	0.00	6.78
31		Cyclohexane	0.847	0.938	-10.7	105	0.00	6.82
32	C	Chloroform	0.557	0.603	-8.3	104	0.00	6.83
33		Ethyl acetate	0.386	0.401	-3.9	99	0.00	6.90
34		Tetrahydrofuran	0.152	0.156	-2.6	104	0.00	7.01
35	S	Dibromofluoromethane	0.251	0.247	1.6	102	0.00	7.03
36		Carbon Tetrachloride	0.366	0.411	-12.3	105	0.00	7.02
37		1,1,1-Trichloroethane	0.441	0.476	-7.9	102	0.00	7.09
38		2-Butanone	0.246	0.270	-9.8	101	0.00	7.13
39		1,1-Dichloropropene	0.430	0.486	-13.0	105	0.00	7.20
40		Propionitrile	0.061	0.064	-4.9	96	0.00	7.45
41		Methacrylonitrile	0.245	0.268	-9.4	100	0.00	7.48
42		Benzene	1.237	1.359	-9.9	104	0.00	7.45
43		TAME	0.980	1.090	-11.2	104	0.00	7.52
44	S	1,2-Dichloroethane-d4	0.373	0.361	3.2	101	0.00	7.58
45		1,2-Dichloroethane	0.514	0.565	-9.9	104	0.00	7.65
			Amount	Calc.	%Drift			
46		Trichloroethene	40.000	41.119	-2.8	107	0.00	8.02
			AvgRF	CCRF	%Dev			
47		Methylcyclohexane	0.575	0.631	-9.7	103	0.00	8.04
48		Dibromomethane	0.186	0.210	-12.9	105	0.00	8.46
49	C	1,2-Dichloropropane	0.411	0.452	-10.0	105	0.00	8.55
50		Bromodichloromethane	0.393	0.443	-12.7	107	0.00	8.60
			Amount	Calc.	%Drift			
51		Methyl methacrylate	40.000	41.078	-2.7	106	0.00	8.69
52		2-Chloroethyl vinyl ether	200.000	180.256	9.9	93	0.00	9.11
			AvgRF	CCRF	%Dev			
53		cis-1,3-Dichloropropene	0.502	0.582	-15.9	108	0.00	9.21
54	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00	10.95
55	S	Toluene-d8	1.316	1.327	-0.8	103	0.00	9.40
			Amount	Calc.	%Drift			
56	C	Toluene	40.000	41.321	-3.3	107	0.00	9.45
57		2-Nitropropane	200.000	198.318	0.8	101	0.00	9.67
			AvgRF	CCRF	%Dev			
58		4-Methyl-2-pentanone	0.604	0.661	-9.4	105	0.00	9.78
			Amount	Calc.	%Drift			
59		trans-1,3-Dichloropropene	40.000	45.767	-14.4	119	0.00	9.84
			AvgRF	CCRF	%Dev			
60		Tetrachloroethene	0.430	0.498	-15.8	114	0.00	9.85

Initial Calibration Verification

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: VJ3923-ICV3923
Lab FileID: J074055.D

			Amount	Calc.	%Drift			
61		Ethyl methacrylate	40.000	38.695	3.3	101	0.00	9.94
			AvgRF	CCRF	%Dev			
62		1,1,2-Trichloroethane	0.335	0.383	-14.3	107	0.00	10.01
63		Dibromochloromethane	0.388	0.459	-18.3	112	0.00	10.20
64		1,3-Dichloropropane	0.716	0.805	-12.4	109	0.00	10.29
65		1,2-Dibromoethane	0.409	0.474	-15.9	111	0.00	10.47
66		2-hexanone	0.402	0.447	-11.2	107	0.00	10.60
67		1-Chlorohexane	0.623	0.675	-8.3	103	0.00	10.89
			Amount	Calc.	%Drift			
68	C	Ethylbenzene	40.000	41.630	-4.1	108	0.00	10.96
69	P	Chlorobenzene	40.000	45.064	-12.7	111	0.00	10.97
			AvgRF	CCRF	%Dev			
70		1,1,1,2-Tetrachloroethane	0.381	0.445	-16.8	109	0.00	11.02
			Amount	Calc.	%Drift			
71		m,p-Xylene	80.000	82.579	-3.2	107	0.00	11.10
72		o-Xylene	40.000	41.806	-4.5	107	0.00	11.54
73		Styrene	40.000	43.215	-8.0	110	0.00	11.59
74	P	Bromoform	40.000	41.592	-4.0	108	0.00	11.65
75		Isopropylbenzene	40.000	47.495	-18.7	122	0.00	11.84
			AvgRF	CCRF	%Dev			
76	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	13.31
77	S	4-Bromofluorobenzene	0.969	0.969	0.0	103	0.00	12.16
			Amount	Calc.	%Drift			
78		cis-1,4-Dichloro-2-butene	40.000	44.198	-10.5	114	0.00	12.20
			AvgRF	CCRF	%Dev			
79		n-Propylbenzene	4.155	4.739	-14.1	107	0.00	12.26
80		Bromobenzene	0.928	1.031	-11.1	111	0.00	12.29
81	P	1,1,2,2-Tetrachloroethane	0.979	1.103	-12.7	109	0.00	12.32
82		1,3,5-Trimethylbenzene	3.046	3.373	-10.7	103	0.00	12.45
83		2-Chlorotoluene	2.757	3.110	-12.8	106	0.00	12.46
			Amount	Calc.	%Drift			
84		trans-1,4-Dichloro-2-Bute	40.000	40.185	-0.5	102	0.00	12.51
			AvgRF	CCRF	%Dev			
85		1,2,3-Trichloropropane	0.261	0.290	-11.1	107	0.00	12.49
86		Cyclohexanone	0.040	0.040	0.0	94	0.00	12.56
87		4-Chlorotoluene	2.618	3.044	-16.3	109	0.00	12.62
88		tert-Butylbenzene	1.705	1.952	-14.5	107	0.00	12.79
89		1,2,4-Trimethylbenzene	3.045	3.446	-13.2	104	0.00	12.86
			Amount	Calc.	%Drift			
90		Pentachloroethane	40.000	46.865	-17.2	122	0.00	12.84
			AvgRF	CCRF	%Dev			
91		sec-Butylbenzene	3.862	4.505	-16.6	108	0.00	12.98
			Amount	Calc.	%Drift			
92		4-Isopropyltoluene	40.000	42.930	-7.3	109	0.00	13.11
93		1,3-Dichlorobenzene	40.000	42.467	-6.2	108	0.00	13.24
94		1,4-Dichlorobenzene	40.000	42.879	-7.2	109	0.00	13.32

Initial Calibration Verification

Job Number: F92489 **Sample:** VJ3923-ICV3923
Account: URSNCM URS Corporation **Lab FileID:** J074055.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

95	n-Butylbenzene	40.000	41.028	-2.6	104	0.00	13.54
96	Benzyl Chloride	40.000	37.386	6.5	95	0.00	13.55
97	1,2-Dichlorobenzene	40.000	42.882	-7.2	109	0.00	13.74
98	1,2-Dibromo-3-Chloropropa	40.000	42.798	-7.0	109	0.00	14.48
	----------	AvgRF	CCRF	%Dev	----------		
99	Hexachlorobutadiene	0.656	0.785	-19.7	110	0.00	15.01
100	1,2,4-Trichlorobenzene	1.178	1.393	-18.3	108	0.00	15.06
	----------	Amount	Calc.	%Drift	----------		
101	Naphthalene	40.000	42.439	-6.1	105	0.00	15.36
102	1,2,3-Trichlorobenzene	40.000	41.739	-4.3	104	0.00	15.52
	----------	AvgRF	CCRF	%Dev	----------		
103 I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	100	0.00	5.38
	----------	Amount	Calc.	%Drift	----------		
104	Ethanol	800.000	787.245	1.6	107	-0.01	4.34
	----------	AvgRF	CCRF	%Dev	----------		
105	acrolein	1.431	1.310	8.5	95	0.00	4.83
106	Tert Butyl Alcohol	1.481	1.514	-2.2	102	0.00	5.46
107	tert Amyl alcohol	1.163	1.292	-11.1	109	0.00	7.68
108	Isobutyl alcohol	0.177	0.174	1.7	102	0.00	7.48
	----------	Amount	Calc.	%Drift	----------		
109	1,4-Dioxane	800.000	844.098	-5.5	109	0.00	8.77

(#) = Out of Range SPCC's out = 0 CCC's out = 0
J074052.D 8260-japp9.m Fri Apr 20 11:01:37 2012

Continuing Calibration Summary

Job Number: F92489 **Sample:** VJ3944-CC3923
Account: URSNCM URS Corporation **Lab FileID:** J074428.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Evaluate Continuing Calibration Report

```
Data File : C:\MSDchem\1\DATA\050212\J074428.D          Vial: 1
Acq On    :  2 May 2012   9:37 am                   Operator: MELISSAM
Sample    : cc3923-4                                Inst    : MSVOA6
Misc      : MS20657,VJ3944,,,,,                     Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\MSDchem\1\METHODS\8260-japp9.m (RTE Integrator)
Title        : SW-846 Method 5030B/8260B & EPA 624
Last Update  : Fri Apr 20 10:14:21 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	99	0.00	7.85
		Amount	Calc.	%Drift			
2	Dichlorodifluoromethane	40.000	30.051	24.9#	71	0.00	2.68
3 P	Chloromethane	40.000	31.421	21.4#	80	0.00	2.90
4 C	Vinyl Chloride	40.000	33.959	15.1	84	0.00	3.06
5	Bromomethane	40.000	36.145	9.6	88	0.00	3.49
6	Chloroethane	40.000	36.732	8.2	90	0.00	3.65
7	Trichlorofluoromethane	40.000	38.471	3.8	95	0.00	3.87
		AvgRF	CCRF	%Dev			
8	Ethyl Ether	0.399	0.410	-2.8	96	0.00	4.17
9	1,2-Dichlorotrifluoroetha	0.445	0.484	-8.8	100	0.01	4.42
		Amount	Calc.	%Drift			
10 C	1,1-Dichloroethene	40.000	39.946	0.1	99	0.00	4.45
		AvgRF	CCRF	%Dev			
11	Freon 113	0.318	0.356	-11.9	103	0.00	4.51
12	Carbon Disulfide	1.050	1.149	-9.4	100	0.00	4.53
13	Iodomethane	0.488	0.550	-12.7	103	0.00	4.65
		Amount	Calc.	%Drift			
14	Allyl chloride	40.000	37.622	5.9	94	0.00	5.00
15	Methylene Chloride	40.000	40.997	-2.5	94	0.00	5.12
16	Acetone	200.000	238.229	-19.1	123	0.00	5.15
		AvgRF	CCRF	%Dev			
17	Methyl acetate	0.053	0.056	-5.7	96	0.00	5.27
18	trans-1,2-Dichloroethene	0.628	0.650	-3.5	97	0.00	5.30
19	Hexane	0.449	0.483	-7.6	99	0.00	5.37
20	Methyl Tert Butyl Ether	0.993	1.056	-6.3	98	0.00	5.41
		Amount	Calc.	%Drift			
21	Acetonitrile	400.000	347.975	13.0	87	0.00	5.37
		AvgRF	CCRF	%Dev			
22	Di-isopropyl ether	1.760	1.815	-3.1	95	0.00	5.80
		Amount	Calc.	%Drift			
23	Chloroprene	40.000	39.200	2.0	97	0.00	5.95

Continuing Calibration Summary

Job Number: F92489 **Sample:** VJ3944-CC3923
Account: URSNCM URS Corporation **Lab FileID:** J074428.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

			AvgRF	CCRF	%Dev			
24	P	1,1-Dichloroethane	0.707	0.752	-6.4	98	0.00	5.99
25		Acrylonitrile	0.177	0.185	-4.5	100	0.00	6.03
26		ETBE	1.421	1.497	-5.3	98	0.00	6.20
27		Vinyl acetate	0.810	0.802	1.0	92	0.00	6.20
28		cis-1,2-Dichloroethene	0.335	0.348	-3.9	97	0.00	6.56
			Amount	Calc.	%Drift			
29		2,2-Dichloropropane	40.000	38.885	2.8	97	0.00	6.70
			AvgRF	CCRF	%Dev			
30		Bromochloromethane	0.157	0.174	-10.8	104	0.00	6.78
31		Cyclohexane	0.847	0.911	-7.6	99	0.00	6.82
32	C	Chloroform	0.557	0.579	-3.9	97	0.00	6.83
33		Ethyl acetate	0.386	0.354	8.3	85	0.00	6.90
34		Tetrahydrofuran	0.152	0.144	5.3	94	0.00	7.01
35	S	Dibromofluoromethane	0.251	0.258	-2.8	104	0.00	7.02
36		Carbon Tetrachloride	0.366	0.414	-13.1	103	0.00	7.02
37		1,1,1-Trichloroethane	0.441	0.484	-9.8	101	0.00	7.09
38		2-Butanone	0.246	0.218	11.4	79	0.00	7.12
39		1,1-Dichloropropene	0.430	0.462	-7.4	97	0.00	7.19
40		Propionitrile	0.061	0.063	-3.3	91	0.00	7.45
41		Methacrylonitrile	0.245	0.248	-1.2	90	0.00	7.47
42		Benzene	1.237	1.280	-3.5	95	0.00	7.45
43		TAME	0.980	1.025	-4.6	95	0.00	7.52
44	S	1,2-Dichloroethane-d4	0.373	0.364	2.4	99	0.00	7.58
45		1,2-Dichloroethane	0.514	0.530	-3.1	95	0.00	7.65
			Amount	Calc.	%Drift			
46		Trichloroethene	40.000	38.525	3.7	97	0.00	8.02
			AvgRF	CCRF	%Dev			
47		Methylcyclohexane	0.575	0.649	-12.9	103	0.00	8.04
48		Dibromomethane	0.186	0.194	-4.3	95	0.00	8.46
49	C	1,2-Dichloropropane	0.411	0.420	-2.2	95	0.00	8.55
50		Bromodichloromethane	0.393	0.419	-6.6	98	0.00	8.59
			Amount	Calc.	%Drift			
51		Methyl methacrylate	40.000	35.635	10.9	89	0.00	8.69
52		2-Chloroethyl vinyl ether	200.000	179.304	10.3	90	0.00	9.11
			AvgRF	CCRF	%Dev			
53		cis-1,3-Dichloropropene	0.502	0.537	-7.0	97	0.00	9.21
54	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00	10.94
55	S	Toluene-d8	1.316	1.321	-0.4	100	0.00	9.40
			Amount	Calc.	%Drift			
56	C	Toluene	40.000	38.253	4.4	98	0.00	9.45
57		2-Nitropropane	200.000	190.708	4.6	96	0.00	9.67
			AvgRF	CCRF	%Dev			
58		4-Methyl-2-pentanone	0.604	0.604	0.0	94	0.00	9.78
			Amount	Calc.	%Drift			
59		trans-1,3-Dichloropropene	40.000	38.491	3.8	99	0.00	9.84
			AvgRF	CCRF	%Dev			
60		Tetrachloroethene	0.430	0.447	-4.0	101	0.00	9.84

Continuing Calibration Summary

Job Number: F92489 **Sample:** VJ3944-CC3923
Account: URSNCM URS Corporation **Lab FileID:** J074428.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

			Amount	Calc.	%Drift			
61		Ethyl methacrylate	40.000	36.409	9.0	93	0.00	9.94
			AvgRF	CCRF	%Dev			
62		1,1,2-Trichloroethane	0.335	0.349	-4.2	95	0.00	10.01
63		Dibromochloromethane	0.388	0.418	-7.7	101	0.00	10.20
64		1,3-Dichloropropane	0.716	0.716	0.0	95	0.00	10.29
65		1,2-Dibromoethane	0.409	0.422	-3.2	97	0.00	10.46
66		2-hexanone	0.402	0.406	-1.0	95	0.00	10.60
67		1-Chlorohexane	0.623	0.678	-8.8	101	0.00	10.89
			Amount	Calc.	%Drift			
68	C	Ethylbenzene	40.000	38.038	4.9	98	0.00	10.96
69	P	Chlorobenzene	40.000	40.987	-2.5	99	0.00	10.96
			AvgRF	CCRF	%Dev			
70		1,1,1,2-Tetrachloroethane	0.381	0.416	-9.2	100	0.00	11.02
			Amount	Calc.	%Drift			
71		m,p-Xylene	80.000	76.941	3.8	98	0.00	11.10
72		o-Xylene	40.000	37.986	5.0	96	0.00	11.54
73		Styrene	40.000	39.977	0.1	100	0.00	11.59
74	P	Bromoform	40.000	40.207	-0.5	103	0.00	11.65
75		Isopropylbenzene	40.000	39.411	1.5	100	0.00	11.84
			AvgRF	CCRF	%Dev			
76	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00	13.30
77	S	4-Bromofluorobenzene	0.969	0.907	6.4	100	0.00	12.15
			Amount	Calc.	%Drift			
78		cis-1,4-Dichloro-2-butene	40.000	33.743	15.6	90	0.00	12.20
			AvgRF	CCRF	%Dev			
79		n-Propylbenzene	4.155	4.270	-2.8	100	0.00	12.26
80		Bromobenzene	0.928	0.925	0.3	103	0.00	12.29
81	P	1,1,2,2-Tetrachloroethane	0.979	0.953	2.7	97	0.00	12.32
82		1,3,5-Trimethylbenzene	3.046	3.170	-4.1	100	0.00	12.45
83		2-Chlorotoluene	2.757	2.842	-3.1	100	0.00	12.45
			Amount	Calc.	%Drift			
84		trans-1,4-Dichloro-2-Bute	40.000	35.337	11.7	93	0.00	12.51
			AvgRF	CCRF	%Dev			
85		1,2,3-Trichloropropane	0.261	0.266	-1.9	101	0.00	12.49
86		Cyclohexanone	0.040	0.037	7.5	90	0.00	12.56
87		4-Chlorotoluene	2.618	2.691	-2.8	100	0.00	12.62
88		tert-Butylbenzene	1.705	1.781	-4.5	101	0.00	12.79
89		1,2,4-Trimethylbenzene	3.045	3.196	-5.0	100	0.00	12.86
			Amount	Calc.	%Drift			
90		Pentachloroethane	40.000	37.988	5.0	103	0.00	12.84
			AvgRF	CCRF	%Dev			
91		sec-Butylbenzene	3.862	4.131	-7.0	102	0.00	12.98
			Amount	Calc.	%Drift			
92		4-Isopropyltoluene	40.000	38.563	3.6	102	0.00	13.10
93		1,3-Dichlorobenzene	40.000	38.456	3.9	102	0.00	13.24
94		1,4-Dichlorobenzene	40.000	38.712	3.2	102	0.00	13.32

Continuing Calibration Summary

Job Number: F92489 **Sample:** VJ3944-CC3923
Account: URSNCM URS Corporation **Lab FileID:** J074428.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

95	n-Butylbenzene	40.000	37.700	5.7	99	0.00	13.54
96	Benzyl Chloride	40.000	38.370	4.1	101	0.00	13.55
97	1,2-Dichlorobenzene	40.000	39.377	1.6	104	0.00	13.74
98	1,2-Dibromo-3-Chloropropa	40.000	36.754	8.1	97	0.00	14.48
	----------	AvgRF	CCRF	%Dev	----------		
99	Hexachlorobutadiene	0.656	0.737	-12.3	107	0.00	15.01
100	1,2,4-Trichlorobenzene	1.178	1.279	-8.6	102	0.00	15.06
	----------	Amount	Calc.	%Drift	----------		
101	Naphthalene	40.000	36.882	7.8	95	0.00	15.35
102	1,2,3-Trichlorobenzene	40.000	38.770	3.1	100	0.00	15.52
	----------	AvgRF	CCRF	%Dev	----------		
103 I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	94	0.01	5.38
	----------	Amount	Calc.	%Drift	----------		
104	Ethanol	800.000	683.219	14.6	88	0.00	4.35
	----------	AvgRF	CCRF	%Dev	----------		
105	acrolein	1.431	1.007	29.6#	68	0.00	4.84
106	Tert Butyl Alcohol	1.481	1.487	-0.4	94	0.00	5.46
107	tert Amyl alcohol	1.163	1.187	-2.1	94	0.00	7.67
108	Isobutyl alcohol	0.177	0.163	7.9	89	0.00	7.47
	----------	Amount	Calc.	%Drift	----------		
109	1,4-Dioxane	800.000	806.524	-0.8	98	0.00	8.77

(#) = Out of Range SPCC's out = 0 CCC's out = 0
J074052.D 8260-japp9.m Wed May 02 16:38:30 2012

Initial Calibration Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: VO372-ICC372
Lab FileID: O8602.D


```
                         Response Factor Report  MSVOA12

 Method       : C:\msdchem\1\methods\13bdamstyr.m (RTE Integrator)
 Title        : SW-846 Method 5030B/8260B & EPA 624
 Last Update  : Tue May 01 13:06:51 2012
 Response via : Initial Calibration

 Calibration Files
 1   =O8599.D     2   =O8600.D     3   =O8601.D     4   =O8602.D
 5      =O8603.D      6      =O8604.D

       Compound              1     2     3     4     5     6     Avg    %RSD
 ---------------------------------------------------------------------------

 1) I   Fluorobenzene         ----------------ISTD---------------------
 2)     Dichlorodifluoromet 0.102 0.165 0.232 0.230 0.226 0.224 0.197  26.78
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9995
              Response Ratio = 0.00000 + 0.22509 *A

 3) P   Chloromethane       0.356 0.335 0.434 0.423 0.420 0.424 0.399  10.54
 4)     1,3-Butadiene       0.132 0.228 0.250 0.244 0.245 0.238 0.223  20.32
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9995
              Response Ratio = 0.00000 + 0.24100 *A

 5) C   Vinyl Chloride      0.163 0.230 0.311 0.304 0.302 0.303 0.269  22.36
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.30277 *A

 6)     Bromomethane        0.108 0.126 0.138 0.125 0.105 0.095 0.116  13.86
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9989
              Response Ratio = 0.00000 + 0.14095 *A + -0.02338 *A^2

 7)     Chloroethane        0.104 0.107 0.108 0.089 0.065 0.057 0.089  25.43
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9914
              Response Ratio = 0.00000 + 0.10615 *A + -0.02545 *A^2

 8)     Trichlorofluorometh 0.177 0.261 0.345 0.321 0.282 0.252 0.273  21.65
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
              Response Ratio = 0.00000 + 0.36138 *A + -0.05488 *A^2

 9)     Ethyl Ether         0.271 0.277 0.321 0.315 0.310 0.312 0.301   6.98
10)     1,2-Dichlorotrifluo 0.309 0.314 0.403 0.389 0.394 0.391 0.367  11.69
11) C   1,1-Dichloroethene  0.370 0.390 0.507 0.492 0.495 0.493 0.458  13.32
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.49401 *A

12)     Freon 113           0.198 0.217 0.290 0.281 0.282 0.283 0.258  15.47
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.28236 *A

13)     Carbon Disulfide    0.835 0.725 0.959 0.931 0.944 0.944 0.890  10.34
14)     Iodomethane         0.389 0.396 0.491 0.482 0.492 0.498 0.458  11.13
15)     Allyl chloride      0.358 0.540 0.707 0.551 0.566 0.577 0.550  20.39
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9967
              Response Ratio = 0.00000 + 0.58162 *A + -0.00418 *A^2

16)     Methylene Chloride  1.223 0.612 0.588 0.560 0.561 0.557 0.683  38.81
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 0.55938 *A
```

Initial Calibration Summary

Job Number: F92489 **Sample:** VO372-ICC372
Account: URSNCM URS Corporation **Lab FileID:** O8602.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
17)      Acetone              0.103 0.034 0.031 0.031 0.030 0.029 0.043  68.82
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9988
               Response Ratio = 0.00000 + 0.02935 *A

18)      Methyl acetate       0.034 0.035 0.041 0.040 0.040 0.041 0.039   7.67
19)      trans-1,2-Dichloroe 0.446 0.433 0.544 0.526 0.526 0.518 0.499   9.42
20)      Hexane               0.272 0.251 0.329 0.335 0.339 0.331 0.309  12.31
21)      Methyl Tert Butyl E 0.648 0.656 0.780 0.754 0.763 0.772 0.729   8.25
22)      Acetonitrile         0.016 0.020 0.023 0.017 0.019 0.023 0.020  14.66
23)      Di-isopropyl ether   1.229 1.232 1.483 1.448 1.465 1.458 1.386   8.72
24)      Chloroprene          0.382 0.529 0.772 0.600 0.615 0.600 0.583  21.77
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9969
               Response Ratio = 0.00000 + 0.66049 *A + -0.03106 *A^2

25) P    1,1-Dichloroethane   0.513 0.524 0.643 0.620 0.622 0.614 0.589   9.48
26)      Acrylonitrile        0.105 0.102 0.121 0.125 0.126 0.129 0.118   9.88
27)      ETBE                 0.979 1.016 1.217 1.163 1.150 1.129 1.109   8.29
28)      Vinyl acetate        0.538 0.559 0.683 0.677 0.654 0.626 0.623   9.85
29)      cis-1,2-Dichloroeth 0.271 0.260 0.323 0.314 0.318 0.317 0.300   9.04
30)      2,2-Dichloropropane 0.285 0.294 0.386 0.383 0.387 0.383 0.353  14.02
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9998
               Response Ratio = 0.00000 + 0.38432 *A

31)      Bromochloromethane   0.129 0.139 0.163 0.159 0.158 0.155 0.151   8.86
32)      Cyclohexane          0.559 0.551 0.749 0.724 0.726 0.721 0.672  13.55
33) C    Chloroform           0.432 0.435 0.530 0.511 0.506 0.497 0.485   8.54
34)      Ethyl acetate        0.244 0.303 0.303 0.313 0.309 0.311 0.297   8.93
35)      Tetrahydrofuran      0.122 0.079 0.094 0.093 0.092 0.096 0.096  14.90
36) S    Dibromofluoromethan 0.277 0.274 0.283 0.272 0.273 0.270 0.275   1.58
37)      Carbon Tetrachlorid 0.288 0.285 0.391 0.383 0.389 0.387 0.354  14.75
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9998
               Response Ratio = 0.00000 + 0.38725 *A

38)      1,1,1-Trichloroetha 0.324 0.338 0.447 0.436 0.438 0.435 0.403  13.95
39)      2-Butanone           0.163 0.147 0.168 0.173 0.166 0.164 0.164   5.35
40)      1,1-Dichloropropene 0.315 0.316 0.414 0.400 0.400 0.395 0.373  12.10
41)      Propionitrile        0.033 0.046 0.057 0.045 0.043 0.042 0.044  17.43
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9969
               Response Ratio = 0.00000 + 0.04897 *A + -0.00036 *A^2

42)      Methacrylonitrile    0.158 0.214 0.258 0.202 0.190 0.181 0.200  16.87
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9969
               Response Ratio = 0.00000 + 0.22791 *A + -0.00241 *A^2

43)      Benzene              0.942 0.944 1.130 1.074 1.044 1.012 1.024   7.23
44)      TAME                 0.643 0.647 0.780 0.761 0.758 0.747 0.722   8.44
45) S    1,2-Dichloroethane- 0.330 0.335 0.343 0.325 0.323 0.326 0.331   2.29
46)      1,2-Dichloroethane   0.422 0.418 0.501 0.479 0.474 0.467 0.460   7.21
47)      Trichloroethene      0.257 0.253 0.309 0.296 0.290 0.280 0.281   7.87
48)      Methylcyclohexane    0.381 0.395 0.528 0.507 0.498 0.480 0.465  13.26
49)      Dibromomethane       0.161 0.162 0.193 0.188 0.187 0.184 0.179   7.83
50) C    1,2-Dichloropropane 0.301 0.316 0.379 0.368 0.368 0.362 0.349   9.23
51)      Bromodichloromethan 0.311 0.315 0.394 0.388 0.390 0.386 0.364  10.88
52)      Methyl methacrylate 0.232 0.290 0.359 0.294 0.291 0.298 0.294  13.77
53)      2-Chloroethyl vinyl 0.176 0.188 0.222 0.209 0.198 0.187 0.197   8.45
54)      cis-1,3-Dichloropro 0.363 0.395 0.488 0.481 0.480 0.471 0.446  11.95

55) I    Chlorobenzene-d5       ----------------ISTD---------------------
56) S    Toluene-d8           1.307 1.282 1.319 1.357 1.346 1.371 1.330   2.50
57) C    Toluene              1.422 1.461 1.786 1.738 1.740 1.719 1.644   9.67
```

Initial Calibration Summary

Job Number: F92489 **Sample:** VO372-ICC372
Account: URSNCM URS Corporation **Lab FileID:** O8602.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
58)      2-Nitropropane       0.095 0.102 0.129 0.131 0.134 0.136 0.121  14.86
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9997
               Response Ratio = 0.00000 + 0.13487 *A

59)      4-Methyl-2-pentanon 0.414 0.426 0.508 0.495 0.490 0.485 0.470   8.36
60)      trans-1,3-Dichlorop 0.428 0.484 0.598 0.586 0.577 0.563 0.539  12.56
61)      Tetrachloroethene   0.340 0.336 0.436 0.424 0.416 0.411 0.394  11.27
62)      Ethyl methacrylate  0.288 0.470 0.627 0.516 0.523 0.537 0.493  22.92
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9978
               Response Ratio = 0.00000 + 0.53298 *A

63)      1,1,2-Trichloroetha 0.265 0.271 0.322 0.317 0.323 0.323 0.304   9.12
64)      Dibromochloromethan 0.301 0.349 0.439 0.447 0.457 0.459 0.409  16.44
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9999
               Response Ratio = 0.00000 + 0.45687 *A

65)      1,3-Dichloropropane 0.532 0.561 0.655 0.650 0.651 0.652 0.617   8.95
66)      1,2-Dibromoethane   0.306 0.314 0.384 0.383 0.390 0.392 0.361  11.06
67)      2-hexanone          0.285 0.294 0.350 0.351 0.348 0.349 0.329   9.51
68)      1-Chlorohexane      0.490 0.510 0.667 0.659 0.660 0.656 0.607  13.70
69) C    Ethylbenzene        1.669 1.660 1.972 1.881 1.809 1.730 1.787   6.93
70) P    Chlorobenzene       0.927 0.961 1.127 1.066 1.028 0.988 1.016   7.18
71)      1,1,1,2-Tetrachloro 0.305 0.330 0.407 0.402 0.409 0.410 0.377  12.48
72)      m,p-Xylene          1.231 1.284 1.551 1.463 1.395 1.318 1.374   8.69
73)      o-Xylene            1.226 1.313 1.596 1.554 1.548 1.526 1.460  10.42
74)      Styrene             0.868 0.973 1.213 1.196 1.181 1.161 1.099  13.00
75) P    Bromoform           0.171 0.197 0.265 0.273 0.283 0.293 0.247  20.45
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9993
               Response Ratio = 0.00000 + 0.28722 *A

76)      Isopropylbenzene    1.208 1.241 1.596 1.556 1.551 1.525 1.446  11.98
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9996
               Response Ratio = 0.00000 + 1.53646 *A


77) I    1,4-Dichlorobenzene-d ----------------ISTD---------------------
78) S    4-Bromofluorobenzen 1.157 1.123 1.142 1.155 1.151 1.179 1.151   1.60
79)      cis-1,4-Dichloro-2- 0.221 0.288 0.396 0.358 0.367 0.391 0.337  20.42
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9977
               Response Ratio = 0.00000 + 0.38084 *A

80)      n-Propylbenzene     3.796 3.950 4.868 4.621 4.431 4.232 4.316   9.40
81)      Bromobenzene        0.768 0.815 0.951 0.897 0.871 0.844 0.858   7.48
82) P    1,1,2,2-Tetrachloro 0.781 0.822 0.993 0.984 0.990 1.008 0.930  10.80
83)      1,3,5-Trimethylbenz 2.551 2.710 3.233 3.077 2.953 2.818 2.890   8.60
84)      2-Chlorotoluene     2.694 2.768 3.249 3.069 2.938 2.780 2.917   7.26
85)      trans-1,4-Dichloro- 0.298 0.297 0.397 0.421 0.433 0.450 0.383  17.89
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
               Response Ratio = 0.00000 + 0.39287 *A + 0.02881 *A^2

86)      1,2,3-Trichloroprop 0.207 0.227 0.260 0.263 0.264 0.267 0.248  10.03
87)      Cyclohexanone       0.028 0.027 0.033 0.036 0.036 0.038 0.033  13.11
88)      4-Chlorotoluene     2.441 2.572 3.085 2.992 2.940 2.903 2.822   9.05
89)      a-Methyl Styrene    1.000 1.520 1.676 1.763 1.726 1.669 1.559  18.36
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9991
               Response Ratio = 0.00000 + 1.69396 *A

90)      tert-Butylbenzene   1.536 1.627 2.014 1.939 1.915 1.871 1.817  10.48
91)      1,2,4-Trimethylbenz 2.652 2.784 3.380 3.251 3.182 3.095 3.057   9.23
92)      Pentachloroethane   0.288 0.435 0.601 0.486 0.496 0.501 0.468  22.10
```

Initial Calibration Summary

Job Number: F92489 **Sample:** VO372-ICC372
Account: URSNCM URS Corporation **Lab FileID:** O8602.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
              ---- Linear regr., Force(0,0) ----  Coefficient =  0.9956
                Response Ratio = 0.00000 + 0.50310 *A

 93)     sec-Butylbenzene    3.096 3.353 4.282 4.091 4.021 3.915 3.793  12.22
 94)     4-Isopropyltoluene  2.474 2.647 3.381 3.263 3.187 3.139 3.015  12.13
 95)     1,3-Dichlorobenzene 1.482 1.544 1.835 1.806 1.783 1.765 1.703   8.82
 96)     1,4-Dichlorobenzene 1.504 1.560 1.865 1.792 1.786 1.754 1.710   8.40
 97)     n-Butylbenzene      1.583 1.680 2.166 2.100 2.029 1.954 1.919  12.27
 98)     Benzyl Chloride     0.227 0.273 0.378 0.391 0.394 0.390 0.342  21.29
              ---- Linear regr., Force(0,0) ----  Coefficient =  0.9998
                Response Ratio = 0.00000 + 0.39059 *A

 99)     1,2-Dichlorobenzene 1.373 1.459 1.743 1.708 1.697 1.678 1.610   9.56
100)     1,2-Dibromo-3-Chlor 0.101 0.115 0.146 0.151 0.155 0.166 0.139  18.19
              ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
                Response Ratio = 0.00000 + 0.13783 *A + 0.01372 *A^2

101)     Hexachlorobutadiene 0.417 0.422 0.556 0.551 0.548 0.548 0.507  13.40
102)     1,2,4-Trichlorobenz 0.804 0.854 1.072 1.054 1.052 1.062 0.983  12.26
103)     Naphthalene         1.824 1.940 2.431 2.384 2.363 2.416 2.227  12.13
104)     1,2,3-Trichlorobenz 0.713 0.740 0.932 0.897 0.886 0.889 0.843  10.91

105) I   Tert Butyl Alcohol-d1 ----------------ISTD---------------------
106)     Ethanol                   0.099 0.158 0.128 0.122 0.121 0.125  17.08
              ---- Linear regr., Force(0,0) ----  Coefficient =  0.9949
                Response Ratio = 0.00000 + 0.12254 *A

107)     acrolein            0.854 0.783 0.829 0.769 0.845 0.836 0.819   4.26
108)     Tert Butyl Alcohol  1.384 1.271 1.380 1.363 1.400 1.423 1.370   3.86
109)     tert Amyl alcohol   0.882 0.881 1.104 1.110 1.150 1.165 1.049  12.55
110)     Isobutyl alcohol    0.355 0.549 0.647 0.554 0.550 0.544 0.533  17.95
              ---- Linear regr., Force(0,0) ----  Coefficient =  0.9985
                Response Ratio = 0.00000 + 0.54888 *A

111)     1,4-Dioxane         0.095 0.113 0.133 0.132 0.134 0.136 0.124  13.24
 ---------------------------------------------------------------------------
 (#) = Out of Range

           13bdamstyr.m        Tue May 01 13:41:27 2012
```

Initial Calibration Verification

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: VO372-ICV372
Lab FileID: O8605.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\data\043012\O8605.D            Vial: 7
Acq On    : 30 Apr 2012   2:48 pm                   Operator: MELISSAM
Sample    : icv372-4                                Inst    : MSVOA12
Misc      : MS20791,VO372,,,,,                      Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\msdchem\1\methods\13bdamstyr.m (RTE Integrator)
Title        : SW-846 Method 5030B/8260B & EPA 624
Last Update  : Tue May 01 13:06:51 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	105	0.00	7.69
		Amount	Calc.	%Drift			
2	Dichlorodifluoromethane	40.000	47.583	-19.0	122	0.00	2.80
		AvgRF	CCRF	%Dev			
3 P	Chloromethane	0.399	0.465	-16.5	115	0.00	2.99
		Amount	Calc.	%Drift			
4	1,3-Butadiene	40.000	3.475	91.3#	9	-0.04	3.09
5 C	Vinyl Chloride	40.000	44.237	-10.6	116	0.00	3.15
6	Bromomethane	40.000	43.543	-8.9	110	0.00	3.54
7	Chloroethane	40.000	37.982	5.0	97	0.00	3.70
8	Trichlorofluoromethane	40.000	41.083	-2.7	106	0.00	3.93
		AvgRF	CCRF	%Dev			
9	Ethyl Ether	0.301	0.276	8.3	92	0.00	4.18
10	1,2-Dichlorotrifluoroetha	0.367	0.333	9.3	90	0.00	4.44
		Amount	Calc.	%Drift			
11 C	1,1-Dichloroethene	40.000	36.372	9.1	96	0.00	4.45
12	Freon 113	40.000	34.372	14.1	90	0.00	4.52
		AvgRF	CCRF	%Dev			
13	Carbon Disulfide	0.890	0.767	13.8	86	0.00	4.51
14	Iodomethane	0.458	0.407	11.1	89	0.00	4.63
		Amount	Calc.	%Drift			
15	Allyl chloride	40.000	43.792	-9.5	120	0.00	4.96
16	Methylene Chloride	40.000	42.617	-6.5	112	0.00	5.08
17	Acetone	200.000	243.451	-21.7#	120	0.00	5.12
		AvgRF	CCRF	%Dev			
18	Methyl acetate	0.039	0.038	2.6	98	0.00	5.23
19	trans-1,2-Dichloroethene	0.499	0.481	3.6	96	0.00	5.24
20	Hexane	0.309	0.294	4.9	92	0.00	5.30
21	Methyl Tert Butyl Ether	0.729	0.710	2.6	99	0.00	5.36
22	Acetonitrile	0.020	0.021	-5.0	130	0.00	5.63
23	Di-isopropyl ether	1.386	1.342	3.2	97	0.00	5.73
		Amount	Calc.	%Drift			
24	Chloroprene	40.000	38.617	3.5	107	0.00	5.86

Initial Calibration Verification

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VO372-ICV372
Lab FileID: O8605.D

			AvgRF	CCRF	%Dev			
25	P	1,1-Dichloroethane	0.589	0.593	-0.7	100	0.00	5.90
26		Acrylonitrile	0.118	0.118	0.0	99	0.00	5.94
27		ETBE	1.109	1.071	3.4	97	0.00	6.11
28		Vinyl acetate	0.623	0.552	11.4	86	0.00	6.10
29		cis-1,2-Dichloroethene	0.300	0.303	-1.0	102	0.00	6.44
			Amount	Calc.	%Drift			
30		2,2-Dichloropropane	40.000	37.724	5.7	99	0.00	6.57
			AvgRF	CCRF	%Dev			
31		Bromochloromethane	0.151	0.147	2.6	97	0.00	6.65
32		Cyclohexane	0.672	0.648	3.6	94	0.00	6.68
33	C	Chloroform	0.485	0.492	-1.4	101	0.00	6.70
34		Ethyl acetate	0.297	0.290	2.4	97	0.00	6.78
35		Tetrahydrofuran	0.096	0.087	9.4	98	0.00	6.87
36	S	Dibromofluoromethane	0.275	0.270	1.8	104	0.00	6.89
			Amount	Calc.	%Drift			
37		Carbon Tetrachloride	40.000	37.507	6.2	99	0.00	6.87
			AvgRF	CCRF	%Dev			
38		1,1,1-Trichloroethane	0.403	0.410	-1.7	99	0.00	6.94
39		2-Butanone	0.164	0.185	-12.8	112	0.00	7.00
40		1,1-Dichloropropene	0.373	0.384	-2.9	101	0.00	7.05
			Amount	Calc.	%Drift			
41		Propionitrile	400.000	424.252	-6.1	114	0.00	7.32
42		Methacrylonitrile	400.000	438.209	-9.6	118	0.00	7.33
			AvgRF	CCRF	%Dev			
43		Benzene	1.024	1.018	0.6	99	0.00	7.30
44		TAME	0.722	0.727	-0.7	100	0.00	7.38
45	S	1,2-Dichloroethane-d4	0.331	0.338	-2.1	109	0.00	7.43
46		1,2-Dichloroethane	0.460	0.467	-1.5	102	0.00	7.50
47		Trichloroethene	0.281	0.290	-3.2	103	0.00	7.87
48		Methylcyclohexane	0.465	0.466	-0.2	96	0.00	7.88
49		Dibromomethane	0.179	0.184	-2.8	103	0.00	8.29
50	C	1,2-Dichloropropane	0.349	0.356	-2.0	102	0.00	8.39
51		Bromodichloromethane	0.364	0.383	-5.2	103	0.00	8.43
52		Methyl methacrylate	0.294	0.350	-19.0	125	0.00	8.54
53		2-Chloroethyl vinyl ether	0.197	0.155	21.3#	78	0.00	8.96
54		cis-1,3-Dichloropropene	0.446	0.479	-7.4	104	0.00	9.05
55	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00	10.82
56	S	Toluene-d8	1.330	1.360	-2.3	104	0.00	9.24
57	C	Toluene	1.644	1.700	-3.4	101	0.00	9.30
			Amount	Calc.	%Drift			
58		2-Nitropropane	200.000	188.334	5.8	101	0.00	9.53
			AvgRF	CCRF	%Dev			
59		4-Methyl-2-pentanone	0.470	0.485	-3.2	102	0.00	9.65
60		trans-1,3-Dichloropropene	0.539	0.630	-16.9	111	0.00	9.69
61		Tetrachloroethene	0.394	0.423	-7.4	103	0.00	9.69
			Amount	Calc.	%Drift			
62		Ethyl methacrylate	40.000	42.133	-5.3	113	0.00	9.81

Initial Calibration Verification

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VO372-ICV372
Lab FileID: O8605.D

			AvgRF	CCRF	%Dev			
63		1,1,2-Trichloroethane	0.304	0.320	-5.3	104	0.00	9.86
			Amount	Calc.	%Drift			
64		Dibromochloromethane	40.000	39.323	1.7	104	0.00	10.05
			AvgRF	CCRF	%Dev			
65		1,3-Dichloropropane	0.617	0.644	-4.4	103	0.00	10.15
66		1,2-Dibromoethane	0.361	0.382	-5.8	103	0.00	10.32
67		2-hexanone	0.329	0.374	-13.7	110	0.00	10.48
68		1-Chlorohexane	0.607	0.622	-2.5	98	0.00	10.78
69	C	Ethylbenzene	1.787	1.847	-3.4	102	0.00	10.85
70	P	Chlorobenzene	1.016	1.070	-5.3	104	0.00	10.84
71		1,1,1,2-Tetrachloroethane	0.377	0.408	-8.2	105	0.00	10.89
72		m,p-Xylene	1.374	1.437	-4.6	102	0.00	10.99
73		o-Xylene	1.460	1.543	-5.7	103	0.00	11.44
74		Styrene	1.099	1.176	-7.0	102	0.00	11.50
			Amount	Calc.	%Drift			
75	P	Bromoform	40.000	37.974	5.1	103	0.00	11.55
76		Isopropylbenzene	40.000	45.677	-14.2	117	0.00	11.77
			AvgRF	CCRF	%Dev			
77	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00	13.29
78	S	4-Bromofluorobenzene	1.151	1.168	-1.5	104	0.00	12.08
			Amount	Calc.	%Drift			
79		cis-1,4-Dichloro-2-butene	40.000	44.367	-10.9	122	0.00	12.13
			AvgRF	CCRF	%Dev			
80		n-Propylbenzene	4.316	4.606	-6.7	103	0.00	12.21
81		Bromobenzene	0.858	0.893	-4.1	103	0.00	12.21
82	P	1,1,2,2-Tetrachloroethane	0.930	0.996	-7.1	104	0.00	12.27
83		1,3,5-Trimethylbenzene	2.890	2.976	-3.0	100	0.00	12.40
84		2-Chlorotoluene	2.917	3.032	-3.9	102	0.00	12.39
			Amount	Calc.	%Drift			
85		trans-1,4-Dichloro-2-Bute	40.000	38.285	4.3	97	0.00	12.47
			AvgRF	CCRF	%Dev			
86		1,2,3-Trichloropropane	0.248	0.265	-6.9	104	0.00	12.44
87		Cyclohexanone	0.033	0.036	-9.1	102	0.00	12.51
88		4-Chlorotoluene	2.822	3.056	-8.3	105	0.00	12.57
			Amount	Calc.	%Drift			
89		a-Methyl Styrene	40.000	0.141	99.6#	0	0.00	12.68
			AvgRF	CCRF	%Dev			
90		tert-Butylbenzene	1.817	1.937	-6.6	103	0.00	12.75
91		1,2,4-Trimethylbenzene	3.057	3.145	-2.9	100	0.00	12.83
			Amount	Calc.	%Drift			
92		Pentachloroethane	40.000	50.674	-26.7#	135	0.00	12.80
			AvgRF	CCRF	%Dev			
93		sec-Butylbenzene	3.793	4.084	-7.7	103	0.00	12.95
94		4-Isopropyltoluene	3.015	3.321	-10.1	105	0.00	13.10
95		1,3-Dichlorobenzene	1.703	1.821	-6.9	104	0.00	13.22
96		1,4-Dichlorobenzene	1.710	1.821	-6.5	105	0.00	13.31

Initial Calibration Verification

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VO372-ICV372
Lab FileID: O8605.D

97	n-Butylbenzene	1.919	2.073	-8.0	102	0.00	13.56
	----------	Amount	Calc.	%Drift	----------		
98	Benzyl Chloride	40.000	37.206	7.0	96	0.00	13.57
	----------	AvgRF	CCRF	%Dev	----------		
99	1,2-Dichlorobenzene	1.610	1.721	-6.9	104	0.00	13.78
	----------	Amount	Calc.	%Drift	----------		
100	1,2-Dibromo-3-Chloropropa	40.000	42.213	-5.5	108	0.00	14.67
	----------	AvgRF	CCRF	%Dev	----------		
101	Hexachlorobutadiene	0.507	0.574	-13.2	107	0.00	15.38
102	1,2,4-Trichlorobenzene	0.983	1.101	-12.0	108	0.00	15.43
103	Naphthalene	2.227	2.536	-13.9	110	0.00	15.81
104	1,2,3-Trichlorobenzene	0.843	0.937	-11.2	108	0.00	16.02
105 I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	108	0.00	5.34
	----------	Amount	Calc.	%Drift	----------		
106	Ethanol	800.000	968.903	-21.1#	125	0.00	4.38
	----------	AvgRF	CCRF	%Dev	----------		
107	acrolein	0.819	0.878	-7.2	123	0.00	4.81
108	Tert Butyl Alcohol	1.370	1.303	4.9	103	0.00	5.42
109	tert Amyl alcohol	1.049	1.089	-3.8	106	0.00	7.54
	----------	Amount	Calc.	%Drift	----------		
110	Isobutyl alcohol	800.000	828.653	-3.6	111	0.00	7.42
	----------	AvgRF	CCRF	%Dev	----------		
111	1,4-Dioxane	0.124	0.131	-5.6	106	0.00	8.61

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O8602.D 13bdamstyr.m Tue May 01 13:39:28 2012

Continuing Calibration Summary

Job Number: F92489 **Sample:** VO373-CC372
Account: URSNCM URS Corporation **Lab FileID:** O8635.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\data\050112\O8635.D            Vial: 1
Acq On    :  1 May 2012   9:19 am                   Operator: MELISSAM
Sample    : cc372-4                                 Inst    : MSVOA12
Misc      : MS20791,VO373,,,,,                      Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\msdchem\1\methods\13bdamstyr.m (RTE Integrator)
Title        : SW-846 Method 5030B/8260B & EPA 624
Last Update  : Tue May 01 13:06:51 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	92	0.00	7.69
		Amount	Calc.	%Drift			
2	Dichlorodifluoromethane	40.000	37.651	5.9	85	0.01	2.81
		AvgRF	CCRF	%Dev			
3 P	Chloromethane	0.399	0.431	-8.0	94	0.00	2.99
		Amount	Calc.	%Drift			
4	1,3-Butadiene	40.000	39.735	0.7	91	0.00	3.13
5 C	Vinyl Chloride	40.000	43.369	-8.4	100	0.00	3.15
6	Bromomethane	40.000	45.585	-14.0	101	0.01	3.55
7	Chloroethane	40.000	48.903	-22.3#	102	0.00	3.70
8	Trichlorofluoromethane	40.000	43.659	-9.1	98	0.00	3.92
		AvgRF	CCRF	%Dev			
9	Ethyl Ether	0.301	0.318	-5.6	93	0.00	4.19
10	1,2-Dichlorotrifluoroetha	0.367	0.398	-8.4	94	0.00	4.44
		Amount	Calc.	%Drift			
11 C	1,1-Dichloroethene	40.000	40.910	-2.3	95	0.00	4.45
12	Freon 113	40.000	40.533	-1.3	94	0.00	4.52
		AvgRF	CCRF	%Dev			
13	Carbon Disulfide	0.890	0.925	-3.9	92	0.00	4.51
14	Iodomethane	0.458	0.471	-2.8	90	0.00	4.63
		Amount	Calc.	%Drift			
15	Allyl chloride	40.000	40.977	-2.4	99	0.00	4.96
16	Methylene Chloride	40.000	40.250	-0.6	93	0.00	5.09
17	Acetone	200.000	235.432	-17.7	102	0.00	5.12
		AvgRF	CCRF	%Dev			
18	Methyl acetate	0.039	0.039	0.0	90	0.00	5.23
19	trans-1,2-Dichloroethene	0.499	0.534	-7.0	94	0.00	5.25
20	Hexane	0.309	0.348	-12.6	96	0.00	5.30
21	Methyl Tert Butyl Ether	0.729	0.738	-1.2	90	0.00	5.36
22	Acetonitrile	0.020	0.019	5.0	104	0.00	5.63
23	Di-isopropyl ether	1.386	1.484	-7.1	94	0.00	5.73
		Amount	Calc.	%Drift			
24	Chloroprene	40.000	39.605	1.0	97	0.00	5.86

Continuing Calibration Summary

Job Number: F92489 **Sample:** VO373-CC372
Account: URSNCM URS Corporation **Lab FileID:** O8635.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

			AvgRF	CCRF	%Dev			
25	P	1,1-Dichloroethane	0.589	0.629	-6.8	93	0.00	5.90
26		Acrylonitrile	0.118	0.125	-5.9	92	0.00	5.94
27		ETBE	1.109	1.198	-8.0	95	0.00	6.11
28		Vinyl acetate	0.623	0.699	-12.2	95	0.00	6.10
29		cis-1,2-Dichloroethene	0.300	0.305	-1.7	90	0.00	6.44
			Amount	Calc.	%Drift			
30		2,2-Dichloropropane	40.000	39.587	1.0	91	0.00	6.58
			AvgRF	CCRF	%Dev			
31		Bromochloromethane	0.151	0.157	-4.0	91	0.00	6.65
32		Cyclohexane	0.672	0.727	-8.2	93	0.00	6.68
33	C	Chloroform	0.485	0.509	-4.9	92	0.00	6.70
34		Ethyl acetate	0.297	0.319	-7.4	94	0.00	6.78
35		Tetrahydrofuran	0.096	0.097	-1.0	96	0.00	6.87
36	S	Dibromofluoromethane	0.275	0.278	-1.1	94	0.00	6.89
			Amount	Calc.	%Drift			
37		Carbon Tetrachloride	40.000	40.186	-0.5	94	0.00	6.88
			AvgRF	CCRF	%Dev			
38		1,1,1-Trichloroethane	0.403	0.429	-6.5	91	0.00	6.94
39		2-Butanone	0.164	0.176	-7.3	94	0.00	6.99
40		1,1-Dichloropropene	0.373	0.396	-6.2	91	0.00	7.05
			Amount	Calc.	%Drift			
41		Propionitrile	400.000	401.679	-0.4	95	0.00	7.31
42		Methacrylonitrile	400.000	423.279	-5.8	100	0.00	7.33
			AvgRF	CCRF	%Dev			
43		Benzene	1.024	1.069	-4.4	92	0.00	7.30
44		TAME	0.722	0.760	-5.3	92	0.00	7.38
45	S	1,2-Dichloroethane-d4	0.331	0.362	-9.4	103	0.00	7.43
46		1,2-Dichloroethane	0.460	0.492	-7.0	94	0.00	7.49
47		Trichloroethene	0.281	0.294	-4.6	92	0.00	7.86
48		Methylcyclohexane	0.465	0.501	-7.7	91	0.00	7.88
49		Dibromomethane	0.179	0.186	-3.9	92	0.00	8.29
50	C	1,2-Dichloropropane	0.349	0.368	-5.4	92	0.00	8.39
51		Bromodichloromethane	0.364	0.383	-5.2	91	0.00	8.43
52		Methyl methacrylate	0.294	0.300	-2.0	94	0.00	8.54
53		2-Chloroethyl vinyl ether	0.197	0.215	-9.1	95	0.00	8.96
54		cis-1,3-Dichloropropene	0.446	0.479	-7.4	92	0.00	9.05
55	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00	10.82
56	S	Toluene-d8	1.330	1.357	-2.0	94	0.00	9.24
57	C	Toluene	1.644	1.682	-2.3	91	0.00	9.30
			Amount	Calc.	%Drift			
58		2-Nitropropane	200.000	202.390	-1.2	98	0.00	9.53
			AvgRF	CCRF	%Dev			
59		4-Methyl-2-pentanone	0.470	0.513	-9.1	97	0.00	9.65
60		trans-1,3-Dichloropropene	0.539	0.586	-8.7	94	0.00	9.69
61		Tetrachloroethene	0.394	0.413	-4.8	91	0.00	9.69
			Amount	Calc.	%Drift			
62		Ethyl methacrylate	40.000	37.414	6.5	90	0.00	9.81

Continuing Calibration Summary

Job Number: F92489 **Sample:** VO373-CC372
Account: URSNCM URS Corporation **Lab FileID:** O8635.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

			AvgRF	CCRF	%Dev			
63		1,1,2-Trichloroethane	0.304	0.308	-1.3	91	0.00	9.86
			Amount	Calc.	%Drift			
64		Dibromochloromethane	40.000	38.034	4.9	91	0.00	10.05
			AvgRF	CCRF	%Dev			
65		1,3-Dichloropropane	0.617	0.627	-1.6	90	0.00	10.15
66		1,2-Dibromoethane	0.361	0.361	0.0	88	0.00	10.32
67		2-hexanone	0.329	0.360	-9.4	96	0.00	10.48
68		1-Chlorohexane	0.607	0.640	-5.4	91	0.00	10.78
69	C	Ethylbenzene	1.787	1.856	-3.9	92	0.00	10.85
70	P	Chlorobenzene	1.016	1.049	-3.2	92	0.00	10.84
71		1,1,1,2-Tetrachloroethane	0.377	0.393	-4.2	92	0.00	10.89
72		m,p-Xylene	1.374	1.444	-5.1	92	0.00	10.99
73		o-Xylene	1.460	1.509	-3.4	91	0.00	11.44
74		Styrene	1.099	1.139	-3.6	89	0.00	11.50
			Amount	Calc.	%Drift			
75	P	Bromoform	40.000	36.423	8.9	90	0.00	11.55
76		Isopropylbenzene	40.000	39.171	2.1	91	0.00	11.77
			AvgRF	CCRF	%Dev			
77	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00	13.29
78	S	4-Bromofluorobenzene	1.151	1.147	0.3	94	0.00	12.08
			Amount	Calc.	%Drift			
79		cis-1,4-Dichloro-2-butene	40.000	39.959	0.1	100	0.00	12.13
			AvgRF	CCRF	%Dev			
80		n-Propylbenzene	4.316	4.512	-4.5	92	0.00	12.21
81		Bromobenzene	0.858	0.869	-1.3	91	0.00	12.21
82	P	1,1,2,2-Tetrachloroethane	0.930	0.930	0.0	89	0.00	12.27
83		1,3,5-Trimethylbenzene	2.890	3.011	-4.2	92	0.00	12.40
84		2-Chlorotoluene	2.917	3.017	-3.4	93	0.00	12.39
			Amount	Calc.	%Drift			
85		trans-1,4-Dichloro-2-Bute	40.000	41.613	-4.0	97	0.00	12.47
			AvgRF	CCRF	%Dev			
86		1,2,3-Trichloropropane	0.248	0.249	-0.4	89	0.00	12.44
87		Cyclohexanone	0.033	0.032	3.0	84	0.00	12.51
88		4-Chlorotoluene	2.822	2.880	-2.1	91	0.00	12.57
			Amount	Calc.	%Drift			
89		a-Methyl Styrene	40.000	38.601	3.5	87	0.00	12.68
			AvgRF	CCRF	%Dev			
90		tert-Butylbenzene	1.817	1.894	-4.2	92	0.00	12.75
91		1,2,4-Trimethylbenzene	3.057	3.144	-2.8	91	0.00	12.83
			Amount	Calc.	%Drift			
92		Pentachloroethane	40.000	37.991	5.0	93	0.00	12.80
			AvgRF	CCRF	%Dev			
93		sec-Butylbenzene	3.793	3.970	-4.7	92	0.00	12.95
94		4-Isopropyltoluene	3.015	3.142	-4.2	91	0.00	13.10
95		1,3-Dichlorobenzene	1.703	1.724	-1.2	90	0.00	13.22
96		1,4-Dichlorobenzene	1.710	1.753	-2.5	92	0.00	13.31

Continuing Calibration Summary

Job Number: F92489 **Sample:** VO373-CC372
Account: URSNCM URS Corporation **Lab FileID:** O8635.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

97	n-Butylbenzene	1.919	2.045	-6.6	92	0.00	13.56
	----------	Amount	Calc.	%Drift	----------		
98	Benzyl Chloride	40.000	38.385	4.0	91	0.00	13.57
	----------	AvgRF	CCRF	%Dev	----------		
99	1,2-Dichlorobenzene	1.610	1.626	-1.0	90	0.00	13.78
	----------	Amount	Calc.	%Drift	----------		
100	1,2-Dibromo-3-Chloropropa	40.000	38.033	4.9	88	0.00	14.67
	----------	AvgRF	CCRF	%Dev	----------		
101	Hexachlorobutadiene	0.507	0.520	-2.6	89	0.00	15.38
102	1,2,4-Trichlorobenzene	0.983	0.979	0.4	88	0.00	15.43
103	Naphthalene	2.227	2.185	1.9	86	0.00	15.81
104	1,2,3-Trichlorobenzene	0.843	0.832	1.3	88	0.00	16.02
105 I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	91	0.00	5.35
	----------	Amount	Calc.	%Drift	----------		
106	Ethanol	800.000	948.314	-18.5	104	0.00	4.38
	----------	AvgRF	CCRF	%Dev	----------		
107	acrolein	0.819	0.775	5.4	92	0.00	4.81
108	Tert Butyl Alcohol	1.370	1.321	3.6	89	0.00	5.42
109	tert Amyl alcohol	1.049	1.084	-3.3	89	0.00	7.54
	----------	Amount	Calc.	%Drift	----------		
110	Isobutyl alcohol	800.000	840.550	-5.1	95	0.00	7.42
	----------	AvgRF	CCRF	%Dev	----------		
111	1,4-Dioxane	0.124	0.126	-1.6	87	0.00	8.61

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O8602.D 13bdamstyr.m Tue May 01 17:56:13 2012

Southeast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41592-MB	T002061.D	1	04/30/12	FS	04/30/12	OP41592	ST114

The QC reported here applies to the following samples: **Method:** SW846 8270D

F92489-5, F92489-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	3&4-Methylphenol	ND	5.0	1.1	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.1	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.57	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	49%	14-62%
4165-62-2	Phenol-d5	35%	10-40%
118-79-6	2,4,6-Tribromophenol	76%	33-118%
4165-60-0	Nitrobenzene-d5	74%	42-108%
321-60-8	2-Fluorobiphenyl	69%	40-106%
1718-51-0	Terphenyl-d14	87%	39-121%

Method Blank Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41592-MB	T002095.D	1	05/01/12	FS	04/30/12	OP41592	ST115

The QC reported here applies to the following samples: **Method:** SW846 8270D

F92489-5, F92489-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	3&4-Methylphenol	ND	5.0	1.1	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.1	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.57	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	48%	14-62%
4165-62-2	Phenol-d5	34%	10-40%
118-79-6	2,4,6-Tribromophenol	76%	33-118%
4165-60-0	Nitrobenzene-d5	74%	42-108%
321-60-8	2-Fluorobiphenyl	69%	40-106%
1718-51-0	Terphenyl-d14	86%	39-121%

Blank Spike Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41592-BS	T002060.D	1	04/30/12	FS	04/30/12	OP41592	ST114

The QC reported here applies to the following samples: **Method:** SW846 8270D

F92489-5, F92489-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
	3&4-Methylphenol	100	66.8	67	32-85
117-81-7	bis(2-Ethylhexyl)phthalate	50	46.8	94	59-116
91-57-6	2-Methylnaphthalene	50	37.0	74	56-112

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	58%	14-62%
4165-62-2	Phenol-d5	41%* [a]	10-40%
118-79-6	2,4,6-Tribromophenol	89%	33-118%
4165-60-0	Nitrobenzene-d5	76%	42-108%
321-60-8	2-Fluorobiphenyl	84%	40-106%
1718-51-0	Terphenyl-d14	94%	39-121%

(a) Outside control limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP41592-MS	T002069.D	1	04/30/12	FS	04/30/12	OP41592	ST114
OP41592-MSD	T002070.D	1	04/30/12	FS	04/30/12	OP41592	ST114
F92572-2	T002068.D	1	04/30/12	FS	04/30/12	OP41592	ST114

The QC reported here applies to the following samples: **Method:** SW846 8270D

F92489-5, F92489-7

CAS No.	Compound	F92572-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	3&4-Methylphenol	ND		192	193	100*	130	68	39*	32-85/29
117-81-7	bis(2-Ethylhexyl)phthalate	ND		96.2	143	149*	86.2	90	50*	59-116/21
91-57-6	2-Methylnaphthalene	ND		96.2	57.3	60	74.6	78	26	56-112/26

CAS No.	Surrogate Recoveries	MS	MSD	F92572-2	Limits
367-12-4	2-Fluorophenol	50%	64%* [a]	36%	14-62%
4165-62-2	Phenol-d5	38%	50%* [a]	22%	10-40%
118-79-6	2,4,6-Tribromophenol	75%	86%	80%	33-118%
4165-60-0	Nitrobenzene-d5	61%	82%	70%	42-108%
321-60-8	2-Fluorobiphenyl	68%	83%	67%	40-106%
1718-51-0	Terphenyl-d14	80%	92%	82%	39-121%

(a) Outside control limits.

Instrument Performance Check (DFTPP)

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: ST108-DFTPP
Lab File ID: T001928.D
Instrument ID: GCMST
Injection Date: 04/23/12
Injection Time: 16:17

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	41618	32.3		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	33764	26.2		Pass
70	Less than 2.0% of mass 69	164	0.13	(0.49) [a]	Pass
127	40.0 - 60.0% of mass 198	52477	40.8		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	128768	100.0		Pass
199	5.0 - 9.0% of mass 198	8650	6.72		Pass
275	10.0 - 30.0% of mass 198	27893	21.7		Pass
365	1.0 - 100.0% of mass 198	2030	1.58		Pass
441	Present, but less than mass 443	12178	9.46	(82.5) [b]	Pass
442	40.0 - 100.0% of mass 198	75413	58.6		Pass
443	17.0 - 23.0% of mass 442	14767	11.5	(19.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ST108-IC108	T001930.D	04/23/12	17:09	00:52	Initial cal 5
ST108-IC108	T001931.D	04/23/12	17:41	01:24	Initial cal 10
ST108-IC108	T001932.D	04/23/12	18:12	01:55	Initial cal 25
ST108-IC108	T001933.D	04/23/12	18:43	02:26	Initial cal 50
ST108-IC108	T001934.D	04/23/12	19:14	02:57	Initial cal 60
ST108-ICC108	T001935.D	04/23/12	19:45	03:28	Initial cal 75
ST108-IC108	T001936.D	04/23/12	20:16	03:59	Initial cal 100
ST108-ICV108	T001937.D	04/23/12	20:48	04:31	Initial cal verification 50
ST108-ICV108	T001938.D	04/23/12	21:18	05:01	Initial cal verification 50
OP41471-BS	T001939.D	04/23/12	21:49	05:32	Blank Spike
OP41471-MB	T001940.D	04/23/12	22:20	06:03	Method Blank
ZZZZZZ	T001941.D	04/23/12	22:51	06:34	(unrelated sample)
ZZZZZZ	T001942.D	04/23/12	23:21	07:04	(unrelated sample)
ZZZZZZ	T001943.D	04/23/12	23:52	07:35	(unrelated sample)
ZZZZZZ	T001944.D	04/24/12	00:22	08:05	(unrelated sample)
ZZZZZZ	T001945.D	04/24/12	00:52	08:35	(unrelated sample)
F92146-2	T001946.D	04/24/12	01:22	09:05	(used for QC only; not part of job F92489)
OP41471-MS	T001947.D	04/24/12	01:53	09:36	Matrix Spike
OP41471-MSD	T001948.D	04/24/12	02:23	10:06	Matrix Spike Duplicate

Instrument Performance Check (DFTPP)

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: ST108-DFTPP
Lab File ID: T001928.D
Instrument ID: GCMST
Injection Date: 04/23/12
Injection Time: 16:17

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	T001949.D	04/24/12	02:53	10:36	(unrelated sample)
ZZZZZZ	T001950.D	04/24/12	03:23	11:06	(unrelated sample)
ZZZZZZ	T001951.D	04/24/12	03:53	11:36	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: ST114-DFTPP
Lab File ID: T002056.D
Instrument ID: GCMST
Injection Date: 04/30/12
Injection Time: 09:31

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	27880	35.7		Pass
68	Less than 2.0% of mass 69	69	0.09	(0.33) [a]	Pass
69	Mass 69 relative abundance	21061	26.9		Pass
70	Less than 2.0% of mass 69	120	0.15	(0.57) [a]	Pass
127	40.0 - 60.0% of mass 198	33056	42.3		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	78192	100.0		Pass
199	5.0 - 9.0% of mass 198	5072	6.49		Pass
275	10.0 - 30.0% of mass 198	16274	20.8		Pass
365	1.0 - 100.0% of mass 198	1365	1.75		Pass
441	Present, but less than mass 443	6742	8.62	(79.2) [b]	Pass
442	40.0 - 100.0% of mass 198	44190	56.5		Pass
443	17.0 - 23.0% of mass 442	8516	10.9	(19.3) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ST114-CC108	T002057.D	04/30/12	09:50	00:19	Continuing cal 50
OP41589-LB	T002058.D	04/30/12	10:37	01:06	Leachate Blank
F92496-1	T002059.D	04/30/12	11:08	01:37	(used for QC only; not part of job F92489)
OP41592-BS	T002060.D	04/30/12	11:39	02:08	Blank Spike
OP41592-MB	T002061.D	04/30/12	12:10	02:39	Method Blank
ZZZZZZ	T002062.D	04/30/12	12:41	03:10	(unrelated sample)
ZZZZZZ	T002063.D	04/30/12	13:13	03:42	(unrelated sample)
ZZZZZZ	T002064.D	04/30/12	13:45	04:14	(unrelated sample)
F92489-5	T002065.D	04/30/12	14:17	04:46	MW-GAW2
ZZZZZZ	T002067.D	04/30/12	15:21	05:50	(unrelated sample)
F92572-2	T002068.D	04/30/12	15:53	06:22	(used for QC only; not part of job F92489)
OP41592-MS	T002069.D	04/30/12	16:25	06:54	Matrix Spike
OP41592-MSD	T002070.D	04/30/12	16:58	07:27	Matrix Spike Duplicate
ZZZZZZ	T002071.D	04/30/12	17:42	08:11	(unrelated sample)
OP41555-MB	T002072.D	04/30/12	18:14	08:43	Method Blank
ZZZZZZ	T002073.D	04/30/12	18:46	09:15	(unrelated sample)
ZZZZZZ	T002075.D	04/30/12	19:49	10:18	(unrelated sample)
ZZZZZZ	T002077.D	04/30/12	20:52	11:21	(unrelated sample)
ZZZZZZ	T002078.D	04/30/12	21:24	11:53	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: ST115-DFTPP
Lab File ID: T002081.D
Instrument ID: GCMST
Injection Date: 05/01/12
Injection Time: 11:46

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	26808	33.9		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	20326	25.7		Pass
70	Less than 2.0% of mass 69	126	0.16	(0.62) [a]	Pass
127	40.0 - 60.0% of mass 198	32111	40.6		Pass
197	Less than 1.0% of mass 198	83	0.10		Pass
198	Base peak, 100% relative abundance	79085	100.0		Pass
199	5.0 - 9.0% of mass 198	5282	6.68		Pass
275	10.0 - 30.0% of mass 198	16866	21.3		Pass
365	1.0 - 100.0% of mass 198	1481	1.87		Pass
441	Present, but less than mass 443	6913	8.74	(77.5) [b]	Pass
442	40.0 - 100.0% of mass 198	47141	59.6		Pass
443	17.0 - 23.0% of mass 442	8915	11.3	(18.9) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ST115-CC108	T002082.D	05/01/12	12:06	00:20	Continuing cal 50
OP41607-BS	T002083.D	05/01/12	12:38	00:52	Blank Spike
OP41607-MB	T002084.D	05/01/12	13:10	01:24	Method Blank
ZZZZZZ	T002085.D	05/01/12	13:42	01:56	(unrelated sample)
ZZZZZZ	T002089.D	05/01/12	15:55	04:09	(unrelated sample)
OP41555-MB	T002090.D	05/01/12	16:29	04:43	Method Blank
ZZZZZZ	T002091.D	05/01/12	17:02	05:16	(unrelated sample)
ZZZZZZ	T002093.D	05/01/12	18:08	06:22	(unrelated sample)
ZZZZZZ	T002094.D	05/01/12	18:40	06:54	(unrelated sample)
OP41592-MB	T002095.D	05/01/12	19:13	07:27	Method Blank
F92489-7	T002096.D	05/01/12	19:45	07:59	MW-ERH2

Semivolatile Internal Standard Area Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std: ST114-CC108 **Injection Date:** 04/30/12
Lab File ID: T002057.D **Injection Time:** 09:50
Instrument ID: GCMST **Method:** SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	135781	4.45	525438	5.49	299531	7.61	532476	9.97	448406	14.82	420572	17.29
Check Std [b]	234959	4.39	877926	5.41	473341	7.49	820902	9.85	644329	14.69	615216	17.16
Upper Limit [c]	469918	4.89	1755852	5.91	946682	7.99	1641804	10.35	1288658	15.19	1230432	17.66
Lower Limit [d]	117480	3.89	438963	4.91	236671	6.99	410451	9.35	322165	14.19	307608	16.66

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP41589-LB	186286	4.39	716012	5.41	422159	7.49	707070	9.84	587880	14.68	537023	17.15
F92496-1	145883	4.39	529265	5.41	325797	7.49	549521	9.84	460801	14.67	417487	17.15
OP41592-BS	157311	4.39	662655	5.41	342566	7.49	588048	9.85	474413	14.68	430661	17.15
OP41592-MB	167080	4.39	641306	5.40	378899	7.48	631210	9.83	518950	14.67	472121	17.15
ZZZZZZ	177595	4.39	653538	5.41	369499	7.48	600446	9.83	481740	14.67	441480	17.14
ZZZZZZ	172862	4.39	636889	5.41	363270	7.48	593401	9.83	475561	14.67	429872	17.15
ZZZZZZ	163505	4.39	625237	5.40	369857	7.48	623080	9.83	517791	14.67	467506	17.15
F92489-5	170348	4.39	647406	5.40	380349	7.49	629784	9.84	523212	14.67	465785	17.15
ZZZZZZ	176340	4.39	653971	5.40	381155	7.48	625663	9.83	512774	14.67	463798	17.15
F92572-2	159304	4.39	600422	5.40	345954	7.48	570070	9.83	460026	14.67	415774	17.15
OP41592-MS	146127	4.39	571395	5.41	297877	7.49	484591	9.85	369753	14.68	345555	17.15
OP41592-MSD	158394	4.39	594481	5.41	326189	7.49	553122	9.84	439234	14.68	409047	17.15
ZZZZZZ	167495	4.39	633828	5.40	379485	7.49	627697	9.83	511536	14.67	457606	17.15
OP41555-MB	174797	4.39	649639	5.40	372288	7.48	616165	9.83	491320	14.67	448383	17.14
ZZZZZZ	138099	4.39	513607	5.40	297964	7.48	484696	9.83	383651	14.69	343705	17.15
ZZZZZZ	157154	4.39	588042	5.40	350509	7.48	589386	9.83	462197	14.67	395599	17.15
ZZZZZZ	188659	4.39	706190	5.40	413754	7.48	679067	9.83	544864	14.67	473932	17.15
ZZZZZZ	195569	4.39	731145	5.41	426347	7.49	694664	9.84	549946	14.67	479510	17.15

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: ST108-ICC108 T001935.D 04/23/12 19:45
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std: ST115-CC108 **Injection Date:** 05/01/12
Lab File ID: T002082.D **Injection Time:** 12:06
Instrument ID: GCMST **Method:** SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	135781	4.45	525438	5.49	299531	7.61	532476	9.97	448406	14.82	420572	17.29
Check Std [b]	175642	4.37	659689	5.39	369558	7.47	647169	9.82	516758	14.66	492964	17.13
Upper Limit [c]	351284	4.87	1319378	5.89	739116	7.97	1294338	10.32	1033516	15.16	985928	17.63
Lower Limit [d]	87821	3.87	329845	4.89	184779	6.97	323585	9.32	258379	14.16	246482	16.63

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP41607-BS	168244	4.37	643965	5.38	352563	7.47	606496	9.82	469704	14.65	434383	17.12
OP41607-MB	164224	4.36	620012	5.38	369891	7.46	619541	9.81	513804	14.64	477018	17.12
ZZZZZZ	172815	4.36	649638	5.38	386340	7.46	637846	9.81	529886	14.64	491817	17.12
ZZZZZZ	169430	4.37	631359	5.38	378636	7.46	644352	9.81	538808	14.64	495798	17.12
OP41555-MB	185907	4.37	705580	5.38	424423	7.46	723949	9.81	607774	14.64	559011	17.12
ZZZZZZ	138461	4.37	528330	5.38	314637	7.46	533615	9.81	445507	14.64	401622	17.11
ZZZZZZ	182327	4.37	687907	5.38	415673	7.46	712886	9.81	588882	14.65	529122	17.12
ZZZZZZ	180487	4.37	671923	5.38	409109	7.46	708067	9.81	591648	14.65	535911	17.12
OP41592-MB	145067	4.36	543479	5.38	326989	7.46	563039	9.81	480101	14.64	434318	17.12
F92489-7 [e]	128354	4.37	485011	5.38	291878	7.46	513456	9.81	440246	14.64	398305	17.12

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: ST108-ICC108 T001935.D 04/23/12 19:45
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(e) Dilution required due to matrix interference.

Semivolatile Surrogate Recovery Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Method: SW846 8270D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
F92489-5	T002065.D	34.0	23.0	73.0	61.0	58.0	74.0
F92489-7	T002096.D	57.0	60.0* [a]	94.0	83.0	79.0	94.0
OP41592-BS	T002060.D	58.0	41.0* [b]	89.0	76.0	84.0	94.0
OP41592-MB	T002061.D	49.0	35.0	76.0	74.0	69.0	87.0
OP41592-MB	T002095.D	48.0	34.0	76.0	74.0	69.0	86.0
OP41592-MS	T002069.D	50.0	38.0	75.0	61.0	68.0	80.0
OP41592-MSD	T002070.D	64.0* [b]	50.0* [b]	86.0	82.0	83.0	92.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	14-62%
S2 = Phenol-d5	10-40%
S3 = 2,4,6-Tribromophenol	33-118%
S4 = Nitrobenzene-d5	42-108%
S5 = 2-Fluorobiphenyl	40-106%
S6 = Terphenyl-d14	39-121%

(a) Outside control limits due to dilution.
(b) Outside control limits.

Initial Calibration Summary

Job Number: F92489 **Sample:** ST108-ICC108
Account: URSNCM URS Corporation **Lab FileID:** T001935.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Response Factor Report MSBNA06

Method : C:\msdchem\2\METHODS\8270d.m (RTE Integrator)
Title : SW846 8270D OR EPA 625
Last Update : Tue Apr 24 09:37:17 2012
Response via : Initial Calibration

Calibration Files
5 =T001930.D 10 =T001931.D 25 =T001932.D 50 =T001933.D
60 =T001934.D 75 =T001935.D 100 =T001936.D

Compound	5	10	25	50	60	75	100	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	----------ISTD----------								
2) 1,4-Dioxane	0.680	0.599	0.637	0.616	0.611	0.608	0.606	0.623	4.52
3) N-nitrosodimethyl	0.636	0.604	0.618	0.619	0.608	0.605	0.604	0.613	1.94
4) Pyridine	1.434	1.294	1.401	1.472	1.467	1.430	1.403	1.414	4.22
5)P Benzaldehyde	0.975	0.957	0.898	0.619	0.601	0.553		0.767	25.53
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9878									
Response Ratio = 0.00000 + 0.93057 *A + -0.21069 *A^2									
6) Aniline	2.091	2.050	2.073	1.970	1.930	1.874	1.868	1.979	4.71
7)S 2-Fluorophenol	1.365	1.337	1.369	1.347	1.347	1.319	1.281	1.338	2.27
8)P bis(2-Chloroethyl	1.144	1.187	1.195	1.183	1.184	1.166	1.148	1.172	1.73
9)S Phenol-d5	1.640	1.636	1.623	1.546	1.506	1.492	1.470	1.559	4.66
10)P Phenol	1.787	1.788	1.787	1.731	1.712	1.685	1.661	1.736	3.03
11)P 2-Chlorophenol	1.461	1.472	1.456	1.451	1.430	1.410	1.410	1.442	1.75
12) 1,3-Dichlorobenze	1.616	1.632	1.671	1.603	1.589	1.548	1.517	1.596	3.24
13) 1,4-Dichlorobenze	1.685	1.639	1.675	1.617	1.582	1.545	1.484	1.604	4.51
14) 1,2-Dichlorobenze	1.610	1.544	1.571	1.522	1.484	1.484	1.420	1.519	4.15
15) Benzyl alcohol	0.953	0.942	0.973	0.976	0.962	0.948	0.949	0.958	1.37
16)P bis(2-chloroisopr	1.805	1.729	1.741	1.713	1.701	1.690	1.651	1.718	2.78
17)P 2-Methylphenol	1.311	1.287	1.290	1.267	1.230	1.221	0.949	1.222	10.19
18)P Acetophenone	1.696	1.690	1.663	1.702	1.695	1.676	1.661	1.683	0.98
19)P Hexachloroethane	0.462	0.449	0.451	0.456	0.448	0.444	0.446	0.451	1.42
20)P N-Nitroso-di-n-pr	0.782	0.758	0.763	0.746	0.736	0.740	0.730	0.751	2.41
21)P 3&4-Methylphenol	1.374	1.337	1.367	1.328	1.320	1.307	1.277	1.330	2.54
22) I Naphthalene-d8	----------ISTD----------								
23)S Nitrobenzene-d5	0.312	0.300	0.304	0.303	0.302	0.297	0.299	0.302	1.57
24)P Nitrobenzene	0.308	0.296	0.296	0.296	0.291	0.289	0.287	0.295	2.37
25)P Isophorone	0.598	0.579	0.587	0.570	0.574	0.565	0.567	0.577	2.06
26)P 2-Nitrophenol	0.216	0.212	0.217	0.215	0.216	0.211	0.210	0.214	1.22
27)P 2,4-Dimethylpheno	0.322	0.310	0.321	0.315	0.319	0.311	0.307	0.315	1.79
28)P bis(2-Chloroethox	0.362	0.357	0.356	0.349	0.351	0.343	0.343	0.352	2.05
29) Benzoic Acid	0.276	0.290	0.316	0.285	0.295	0.297	0.313	0.296	4.89
30)P 2,4-Dichloropheno	0.322	0.327	0.328	0.319	0.316	0.309	0.300	0.317	3.21
31) 1,2,4-Trichlorobe	0.366	0.357	0.360	0.346	0.341	0.337	0.327	0.348	3.97
32)P Naphthalene	1.141	1.124	1.117	1.071	1.068	1.047	1.010	1.082	4.34
33)P 4-Chloroaniline	0.482	0.475	0.476	0.454	0.442	0.436	0.414	0.454	5.58
34) 2,6-Dichloropheno	0.333	0.328	0.328	0.312	0.304	0.299	0.285	0.313	5.69
35)P Hexachlorobutadie	0.176	0.172	0.170	0.166	0.166	0.161	0.156	0.166	4.03
36)P Caprolactam	0.126	0.120	0.120	0.121	0.125	0.122	0.122	0.122	1.87
37)P 4-Chloro-3-methyl	0.285	0.280	0.282	0.280	0.283	0.277	0.278	0.281	1.02
38)P 2-Methylnaphthale	0.810	0.784	0.787	0.749	0.745	0.726	0.704	0.758	4.92
39) 1-Methylnaphthale	0.745	0.718	0.722	0.697	0.690	0.677	0.658	0.701	4.21
40)P 1,2,4,5-Tetrachlo	0.349	0.338	0.334	0.318	0.317	0.311	0.299	0.324	5.30
41) I Acenaphthene-d10	----------ISTD----------								

Initial Calibration Summary

Job Number: F92489 **Sample:** ST108-ICC108
Account: URSNCM URS Corporation **Lab FileID:** T001935.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

42)P Hexachlorocyclope	0.324	0.335	0.350	0.364	0.365	0.360	0.354	0.350	4.46
43)P 2,4,6-Trichloroph	0.393	0.398	0.405	0.402	0.399	0.395	0.388	0.397	1.47
44)P 2,4,5-Trichloroph	0.412	0.428	0.430	0.426	0.420	0.415	0.408	0.420	2.02
45)S 2-Fluorobiphenyl	1.410	1.400	1.412	1.380	1.373	1.345	1.288	1.373	3.22
46)P 1,1'-Biphenyl	1.570	1.545	1.508	1.413	1.381	1.354	1.266	1.434	7.75
47)P 2-Chloronaphthale	1.221	1.211	1.197	1.118	1.096	1.078	1.022	1.135	6.72
48)P 2-Nitroaniline	0.287	0.276	0.294	0.290	0.297	0.291	0.290	0.289	2.27
49)P Acenaphthylene	2.066	2.048	2.047	2.029	2.030	1.998	1.947	2.024	1.97
50)P Dimethylphthalate	1.345	1.330	1.343	1.297	1.290	1.260	1.215	1.297	3.67
51) m-Dinitrobenzene	0.257	0.248	0.264	0.260	0.260	0.260	0.254	0.257	2.02
52)P 2,6-Dinitrotoluen	0.330	0.319	0.326	0.327	0.329	0.325	0.321	0.325	1.22
53)P Acenaphthene	1.256	1.231	1.242	1.211	1.192	1.180	1.152	1.209	3.04
54)P 3-Nitroaniline	0.392	0.397	0.396	0.387	0.387	0.388	0.390	0.391	1.09
55)P 2,4-Dinitrophenol	0.136	0.179	0.200	0.236	0.242	0.246	0.253	0.213	20.36

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9990
Response Ratio = 0.00000 + 0.21040 *A + 0.01774 *A^2

56)P Dibenzofuran	1.783	1.761	1.741	1.715	1.710	1.667	1.629	1.715	3.12
57)P 2,4-Dinitrotoluen	0.425	0.421	0.431	0.436	0.437	0.434	0.431	0.431	1.32
58)P 4-Nitrophenol	0.127	0.135	0.140	0.149	0.149	0.149	0.151	0.143	6.52
59)P 2,3,4,6-Tetrachlo	0.338	0.345	0.335	0.333	0.331	0.331	0.323	0.334	2.06
60)P Fluorene	1.481	1.437	1.434	1.370	1.349	1.331	1.293	1.385	4.86
61)P 4-Chlorophenyl-ph	0.640	0.637	0.634	0.614	0.616	0.607	0.586	0.619	3.13
62)P Diethylphthalate	1.300	1.241	1.257	1.213	1.212	1.193	1.159	1.225	3.75
63)P 4-Nitroaniline	0.391	0.387	0.382	0.395	0.401	0.393	0.395	0.392	1.53
64) I Phenanthrene-d10	----------ISTD----------								
65)P 4,6-Dinitro-2-met	0.127	0.147	0.154	0.161	0.163	0.161	0.161	0.153	8.43
66)P n-Nitrosodiphenyl	0.607	0.584	0.574	0.564	0.552	0.542	0.523	0.564	4.93
67) 1,2-Diphenylhydra	0.619	0.609	0.601	0.657	0.647	0.638	0.625	0.628	3.28
68)S 2,4,6-Tribromophe	0.097	0.096	0.095	0.089	0.087	0.085	0.081	0.090	6.78
69)P 4-Bromophenyl-phe	0.202	0.205	0.200	0.194	0.192	0.188	0.184	0.195	3.93
70)P Hexachlorobenzene	0.220	0.217	0.210	0.205	0.200	0.198	0.190	0.206	5.18
71) Simazine	0.124	0.123	0.122	0.117	0.112	0.108	0.103	0.116	6.93
72)P Atrazine	0.211	0.205	0.202	0.191	0.188	0.177	0.166	0.192	8.30
73)P Pentachlorophenol	0.151	0.153	0.155	0.158	0.155	0.155	0.152	0.154	1.55
74)P Phenanthrene	1.174	1.136	1.133	1.092	1.070	1.056	1.026	1.098	4.72
75)P Anthracene	1.226	1.184	1.186	1.134	1.108	1.093	1.060	1.142	5.19
76)P Carbazole	1.166	1.142	1.129	1.091	1.074	1.055	1.034	1.099	4.40
77)P Di-n-butylphthala	1.283	1.268	1.261	1.233	1.212	1.192	1.169	1.231	3.43
78)P Fluoranthene	1.203	1.165	1.152	1.117	1.107	1.083	1.055	1.126	4.50
79) I Chrysene-d12	----------ISTD----------								
80) Benzidine	0.770	0.792	0.792	0.649	0.623	0.595	0.556	0.682	14.63
81)P Pyrene	1.409	1.384	1.383	1.368	1.340	1.320	1.289	1.356	3.09
82)S Terphenyl-d14	0.888	0.883	0.880	0.871	0.854	0.839	0.814	0.862	3.15
83)P Butylbenzylphthal	0.632	0.621	0.639	0.629	0.627	0.618	0.606	0.624	1.72
84)P 3,3'-Dichlorobenz	0.453	0.451	0.448	0.403	0.385	0.376	0.348	0.409	10.31
85)P Benzo[a]anthracen	1.195	1.186	1.177	1.166	1.152	1.144	1.113	1.162	2.43
86)P Chrysene	1.113	1.078	1.072	1.026	0.998	0.984	0.935	1.029	6.02
87)P bis(2-Ethylhexyl)	0.841	0.840	0.852	0.853	0.834	0.827	0.808	0.836	1.86
88) I Perylene-d12	----------ISTD----------								
89)P Di-n-octylphthala	1.550	1.539	1.576	1.566	1.553	1.535	1.489	1.544	1.84
90)P Benzo[b]fluoranth	1.154	1.182	1.208	1.147	1.160	1.141	1.141	1.162	2.14
91)P Benzo[k]fluoranth	1.207	1.172	1.161	1.127	1.110	1.121	0.971	1.124	6.72
92)P Benzo[a]pyrene	1.152	1.143	1.150	1.123	1.109	1.117	1.087	1.126	2.13
93)P Indeno[1,2,3-cd]p	0.952	0.950	0.962	0.998	0.967	0.987	0.976	0.970	1.85
94)P Dibenz[a,h]anthra	0.984	0.969	0.982	1.010	0.995	1.000	0.968	0.987	1.61
95)P Benzo[g,h,i]peryl	1.071	1.036	1.038	1.040	1.021	1.029	0.995	1.033	2.22

Initial Calibration Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: ST108-ICC108
Lab FileID: T001935.D

(#) = Out of Range

8270d.m Tue Apr 24 11:47:32 2012

Initial Calibration Verification

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: ST108-ICV108
Lab FileID: T001937.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\2\DATA\042312\T001937.D          Vial: 10
Acq On    : 23 Apr 2012   8:48 pm                   Operator: fouads
Sample    : icv108-50                               Inst    : MSBNA06
Misc      : op41303,st108,30.0,,,1,1,soil           Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\msdchem\2\METHODS\8270d.m (RTE Integrator)
Title        : SW846 8270D OR EPA 625
Last Update  : Tue Apr 24 13:55:21 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	91	0.01	4.45
2		1,4-Dioxane	50.000	47.209	5.6	87	0.03	2.00
3		N-nitrosodimethylamine	50.000	47.752	4.5	86	0.01	2.35
4		Pyridine		----------NA----------				
		----------	Amount	Calc.	%Drift		----------	
5	P	Benzaldehyde		----------NA----------				
		----------	Amount	Calc.	%Drift		----------	
6		Aniline		----------NA----------				
7	S	2-Fluorophenol		----------NA----------				
8	P	bis(2-Chloroethyl)ether	50.000	49.378	1.2	89	0.00	4.29
9	S	Phenol-d5		----------NA----------				
10	P	Phenol	50.000	46.540	6.9	85	0.00	4.26
11	P	2-Chlorophenol	50.000	50.359	-0.7	91	0.01	4.33
12		1,3-Dichlorobenzene	50.000	49.151	1.7	89	0.01	4.43
13		1,4-Dichlorobenzene	50.000	49.326	1.3	89	0.00	4.47
14		1,2-Dichlorobenzene	50.000	49.699	0.6	90	0.01	4.60
15		Benzyl alcohol		----------NA----------				
16	P	bis(2-chloroisopropyl)eth	50.000	47.877	4.2	87	0.01	4.70
17	P	2-Methylphenol	50.000	50.279	-0.6	88	0.04	4.69
18	P	Acetophenone	50.000	51.273	-2.5	92	0.00	4.78
19	P	Hexachloroethane	50.000	49.468	1.1	89	0.01	4.83
20	P	N-Nitroso-di-n-propylamin	50.000	47.774	4.5	87	0.00	4.81
21	P	3&4-Methylphenol	100.000	93.455	6.5	96	0.01	4.80
22	I	Naphthalene-d8	40.000	40.000	0.0	90	0.02	5.49
23	S	Nitrobenzene-d5		----------NA----------				
24	P	Nitrobenzene	50.000	48.901	2.2	88	0.00	4.91
25	P	Isophorone	50.000	40.250	19.5	73	0.00	5.10
26	P	2-Nitrophenol	50.000	49.636	0.7	89	0.01	5.17
27	P	2,4-Dimethylphenol	50.000	44.038	11.9	79	0.01	5.22
28	P	bis(2-Chloroethoxy)methan	50.000	48.803	2.4	89	0.01	5.30
29		Benzoic Acid	100.000	95.820	4.2	89	0.02	5.40
30	P	2,4-Dichlorophenol	50.000	49.696	0.6	89	0.02	5.38
31		1,2,4-Trichlorobenzene	50.000	47.269	5.5	86	0.02	5.46
32	P	Naphthalene	50.000	49.282	1.4	90	0.02	5.51
33	P	4-Chloroaniline		----------NA----------				
34		2,6-Dichlorophenol	50.000	50.417	-0.8	91	0.01	5.59
35	P	Hexachlorobutadiene	50.000	49.481	1.0	90	0.01	5.69
36	P	Caprolactam	50.000	47.764	4.5	87	0.00	5.94
37	P	4-Chloro-3-methylphenol	50.000	47.656	4.7	86	0.01	6.11

Initial Calibration Verification

Job Number: F92489 **Sample:** ST108-ICV108
Account: URSNCM URS Corporation **Lab FileID:** T001937.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

38	P	2-Methylnaphthalene		----------NA----------				
39		1-Methylnaphthalene	50.000	49.466	1.1	90	0.01	6.35
40	P	1,2,4,5-Tetrachlorobenzen	50.000	47.273	5.5	87	0.02	6.47
41	I	Acenaphthene-d10	40.000	40.000	0.0	93	0.02	7.60
42	P	Hexachlorocyclopentadiene	50.000	50.375	-0.8	90	0.02	6.50
43	P	2,4,6-Trichlorophenol	50.000	48.438	3.1	89	0.01	6.60
44	P	2,4,5-Trichlorophenol	50.000	48.135	3.7	88	0.01	6.65
45	S	2-Fluorobiphenyl		----------NA----------				
46	P	1,1'-Biphenyl	50.000	48.434	3.1	91	0.01	6.81
47	P	2-Chloronaphthalene	50.000	47.373	5.3	89	0.01	6.81
48	P	2-Nitroaniline		----------NA----------				
49	P	Acenaphthylene	50.000	46.393	7.2	86	0.01	7.38
50	P	Dimethylphthalate	50.000	48.459	3.1	90	0.00	7.33
51		m-Dinitrobenzene		----------NA----------				
52	P	2,6-Dinitrotoluene	50.000	46.783	6.4	86	0.00	7.41
53	P	Acenaphthene	50.000	47.318	5.4	88	0.02	7.65
54	P	3-Nitroaniline		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
55	P	2,4-Dinitrophenol	100.000	88.369	11.6	88	0.01	7.75
		----------	Amount	Calc.	%Drift	----------		
56	P	Dibenzofuran		----------NA----------				
57	P	2,4-Dinitrotoluene	50.000	46.256	7.5	85	0.00	7.99
58	P	4-Nitrophenol	100.000	93.267	6.7	89	0.01	7.92
59	P	2,3,4,6-Tetrachlorophenol	50.000	46.625	6.8	87	0.01	8.16
60	P	Fluorene	50.000	46.338	7.3	87	0.02	8.42
61	P	4-Chlorophenyl-phenylethe	50.000	46.934	6.1	88	0.02	8.46
62	P	Diethylphthalate	50.000	47.075	5.8	88	0.02	8.43
63	P	4-Nitroaniline		----------NA----------				
64	I	Phenanthrene-d10	40.000	40.000	0.0	88	0.02	9.97
65	P	4,6-Dinitro-2-methylpheno	100.000	109.703	-9.7	97	0.00	8.63
66	P	n-Nitrosodiphenylamine	60.000	48.880	18.5	72	0.00	8.68
67		1,2-Diphenylhydrazine	50.000	46.784	6.4	79	0.01	8.72
68	S	2,4,6-Tribromophenol		----------NA----------				
69	P	4-Bromophenyl-phenylether	50.000	49.505	1.0	88	0.01	9.26
70	P	Hexachlorobenzene	50.000	48.178	3.6	85	0.01	9.46
71		Simazine		----------NA----------				
72	P	Atrazine	50.000	51.896	-3.8	92	0.00	9.71
73	P	Pentachlorophenol	100.000	97.231	2.8	92	0.02	9.80
74	P	Phenanthrene	50.000	49.669	0.7	88	0.01	10.01
75	P	Anthracene	50.000	48.415	3.2	86	0.02	10.09
76	P	Carbazole		----------NA----------				
77	P	Di-n-butylphthalate	50.000	48.007	4.0	84	0.02	11.31
78	P	Fluoranthene	50.000	46.984	6.0	83	0.02	12.14
79	I	Chrysene-d12	40.000	40.000	0.0	86	0.02	14.81
80		Benzidine		----------NA----------				
81	P	Pyrene	50.000	50.040	-0.1	85	0.01	12.53
82	S	Terphenyl-d14		----------NA----------				
83	P	Butylbenzylphthalate	50.000	48.810	2.4	83	0.02	14.06
84	P	3,3'-Dichlorobenzidine		----------NA----------				
85	P	Benzo[a]anthracene	50.000	49.024	2.0	84	0.01	14.78
86	P	Chrysene	50.000	49.952	0.1	86	0.00	14.86
87	P	bis(2-Ethylhexyl)phthalat	50.000	49.954	0.1	84	0.02	15.28
88	I	Perylene-d12	40.000	40.000	0.0	82	0.02	17.29
89	P	Di-n-octylphthalate	50.000	50.757	-1.5	82	0.01	16.38

Initial Calibration Verification

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: ST108-ICV108
Lab FileID: T001937.D

90	P	Benzo[b]fluoranthene	50.000	48.497	3.0	81	0.00	16.69
91	P	Benzo[k]fluoranthene	50.000	50.525	-1.0	83	0.00	16.73
92	P	Benzo[a]pyrene	50.000	46.131	7.7	76	0.00	17.19
93	P	Indeno[1,2,3-cd]pyrene	50.000	49.526	0.9	79	0.01	18.86
94	P	Dibenz[a,h]anthracene	50.000	50.767	-1.5	82	0.00	18.91
95	P	Benzo[g,h,i]perylene	50.000	48.895	2.2	80	0.00	19.19

(#) = Out of Range SPCC's out = 0 CCC's out = 0
T001933.D 8270d.m Tue Apr 24 14:43:05 2012

6.7.2

6

Initial Calibration Verification

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: ST108-ICV108
Lab FileID: T001938.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\2\DATA\042312\T001938.D          Vial: 11
Acq On    : 23 Apr 2012   9:18 pm                   Operator: fouads
Sample    : icv108-50                               Inst    : MSBNA06
Misc      : op41303,st108,30.0,,,1,1,soil           Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\msdchem\2\METHODS\8270d.m (RTE Integrator)
Title        : SW846 8270D OR EPA 625
Last Update  : Tue Apr 24 13:55:21 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	84	0.01	4.45
2		1,4-Dioxane		----------NA----------				
3		N-nitrosodimethylamine		----------NA----------				
4		Pyridine	50.000	47.275	5.5	76	0.00	2.33
		----------	Amount	Calc.	%Drift	----------		
5	P	Benzaldehyde	25.000	27.756	-11.0	104	0.01	4.14
		----------	Amount	Calc.	%Drift	----------		
6		Aniline	50.000	45.696	8.6	77	0.00	4.25
7	S	2-Fluorophenol		----------NA----------				
8	P	bis(2-Chloroethyl)ether		----------NA----------				
9	S	Phenol-d5		----------NA----------				
10	P	Phenol		----------NA----------				
11	P	2-Chlorophenol		----------NA----------				
12		1,3-Dichlorobenzene		----------NA----------				
13		1,4-Dichlorobenzene		----------NA----------				
14		1,2-Dichlorobenzene		----------NA----------				
15		Benzyl alcohol	50.000	47.308	5.4	78	0.00	4.58
16	P	bis(2-chloroisopropyl)eth		----------NA----------				
17	P	2-Methylphenol		----------NA----------				
18	P	Acetophenone		----------NA----------				
19	P	Hexachloroethane		----------NA----------				
20	P	N-Nitroso-di-n-propylamin		----------NA----------				
21	P	3&4-Methylphenol		----------NA----------				
22	I	Naphthalene-d8	40.000	40.000	0.0	93	0.01	5.49
23	S	Nitrobenzene-d5		----------NA----------				
24	P	Nitrobenzene		----------NA----------				
25	P	Isophorone	50.000	43.810	12.4	83	0.00	5.10
26	P	2-Nitrophenol		----------NA----------				
27	P	2,4-Dimethylphenol		----------NA----------				
28	P	bis(2-Chloroethoxy)methan		----------NA----------				
29		Benzoic Acid		----------NA----------				
30	P	2,4-Dichlorophenol		----------NA----------				
31		1,2,4-Trichlorobenzene		----------NA----------				
32	P	Naphthalene		----------NA----------				
33	P	4-Chloroaniline	50.000	39.038	21.9#	73	0.00	5.58
34		2,6-Dichlorophenol		----------NA----------				
35	P	Hexachlorobutadiene		----------NA----------				
36	P	Caprolactam		----------NA----------				
37	P	4-Chloro-3-methylphenol		----------NA----------				

Initial Calibration Verification

Job Number: F92489 **Sample:** ST108-ICV108
Account: URSNCM URS Corporation **Lab FileID:** T001938.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

38	P	2-Methylnaphthalene	50.000	43.142	13.7	81	0.01	6.22
39		1-Methylnaphthalene		----------NA----------				
40	P	1,2,4,5-Tetrachlorobenzen		----------NA----------				
41	I	Acenaphthene-d10	40.000	40.000	0.0	84	0.02	7.60
42	P	Hexachlorocyclopentadiene		----------NA----------				
43	P	2,4,6-Trichlorophenol		----------NA----------				
44	P	2,4,5-Trichlorophenol		----------NA----------				
45	S	2-Fluorobiphenyl		----------NA----------				
46	P	1,1'-Biphenyl		----------NA----------				
47	P	2-Chloronaphthalene		----------NA----------				
48	P	2-Nitroaniline	50.000	51.179	-2.4	86	0.01	7.00
49	P	Acenaphthylene		----------NA----------				
50	P	Dimethylphthalate		----------NA----------				
51		m-Dinitrobenzene	50.000	49.630	0.7	83	0.00	7.32
52	P	2,6-Dinitrotoluene		----------NA----------				
53	P	Acenaphthene		----------NA----------				
54	P	3-Nitroaniline	50.000	45.471	9.1	77	0.00	7.59
		----------	Amount	Calc.	%Drift	----------		
55	P	2,4-Dinitrophenol		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
56	P	Dibenzofuran	50.000	49.001	2.0	83	0.01	7.88
57	P	2,4-Dinitrotoluene		----------NA----------				
58	P	4-Nitrophenol		----------NA----------				
59	P	2,3,4,6-Tetrachlorophenol		----------NA----------				
60	P	Fluorene		----------NA----------				
61	P	4-Chlorophenyl-phenylethe		----------NA----------				
62	P	Diethylphthalate		----------NA----------				
63	P	4-Nitroaniline	50.000	49.436	1.1	83	-0.01	8.55
64	I	Phenanthrene-d10	40.000	40.000	0.0	84	0.01	9.96
65	P	4,6-Dinitro-2-methylpheno		----------NA----------				
66	P	n-Nitrosodiphenylamine		----------NA----------				
67		1,2-Diphenylhydrazine		----------NA----------				
68	S	2,4,6-Tribromophenol		----------NA----------				
69	P	4-Bromophenyl-phenylether		----------NA----------				
70	P	Hexachlorobenzene		----------NA----------				
71		Simazine	50.000	49.644	0.7	82	0.00	9.63
72	P	Atrazine		----------NA----------				
73	P	Pentachlorophenol		----------NA----------				
74	P	Phenanthrene		----------NA----------				
75	P	Anthracene		----------NA----------				
76	P	Carbazole	50.000	48.624	2.8	82	0.02	10.42
77	P	Di-n-butylphthalate		----------NA----------				
78	P	Fluoranthene		----------NA----------				
79	I	Chrysene-d12	40.000	40.000	0.0	85	0.00	14.80
80		Benzidine	50.000	48.980	2.0	87	0.01	12.49
81	P	Pyrene		----------NA----------				
82	S	Terphenyl-d14		----------NA----------				
83	P	Butylbenzylphthalate		----------NA----------				
84	P	3,3'-Dichlorobenzidine	50.000	41.348	17.3	71	0.00	14.87
85	P	Benzo[a]anthracene		----------NA----------				
86	P	Chrysene		----------NA----------				
87	P	bis(2-Ethylhexyl)phthalat		----------NA----------				
88	I	Perylene-d12	40.000	40.000	0.0	83	0.00	17.28
89	P	Di-n-octylphthalate		----------NA----------				

Initial Calibration Verification

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: ST108-ICV108
Lab FileID: T001938.D

```
90 P   Benzo[b]fluoranthene                ----------NA----------
91 P   Benzo[k]fluoranthene                ----------NA----------
92 P   Benzo[a]pyrene                      ----------NA----------
93 P   Indeno[1,2,3-cd]pyrene              ----------NA----------
94 P   Dibenz[a,h]anthracene               ----------NA----------
95 P   Benzo[g,h,i]perylene                ----------NA----------
--------------------------------------------------------------------------------
--------------------------------------------------------------------------------

   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    T001933.D  8270d.m          Tue Apr 24 14:48:03 2012
```

6.7.3

6

Continuing Calibration Summary

Job Number: F92489 **Sample:** ST114-CC108
Account: URSNCM URS Corporation **Lab FileID:** T002057.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\DATA\043012\T002057.D Vial: 2
Acq On : 30 Apr 2012 9:50 am Operator: fouads
Sample : cc108-50 Inst : MSBNA06
Misc : op41303,st114,30.0,,,1,1,soil Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\2\METHODS\8270d.m (RTE Integrator)
Title : SW846 8270D OR EPA 625
Last Update : Mon Apr 30 09:12:31 2012
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	153	0.00	4.39
2		1,4-Dioxane	0.623	0.640	-2.7	159	-0.05	1.90
3		N-nitrosodimethylamine	0.613	0.665	-8.5	164	-0.04	2.27
4		Pyridine	1.414	1.417	-0.2	147	-0.04	2.25
5	P	Benzaldehyde	0.767	0.790	-3.0	195	0.00	4.07
6		Aniline	1.979	1.937	2.1	150	0.00	4.18
7	S	2-Fluorophenol	1.338	1.318	1.5	150	0.00	3.48
8	P	bis(2-Chloroethyl)ether	1.172	1.217	-3.8	157	0.00	4.23
9	S	Phenol-d5	1.559	1.497	4.0	148	0.00	4.20
10	P	Phenol	1.736	1.665	4.1	147	0.00	4.20
11	P	2-Chlorophenol	1.442	1.445	-0.2	152	0.00	4.26
12		1,3-Dichlorobenzene	1.596	1.593	0.2	152	0.00	4.36
13		1,4-Dichlorobenzene	1.604	1.575	1.8	149	0.00	4.40
14		1,2-Dichlorobenzene	1.519	1.476	2.8	148	0.00	4.54
15		Benzyl alcohol	0.958	0.946	1.3	148	0.00	4.52
16	P	bis(2-chloroisopropyl)eth	1.718	1.807	-5.2	161	0.00	4.63
17	P	2-Methylphenol	1.222	1.165	4.7	140	0.03	4.63
18	P	Acetophenone	1.683	1.774	-5.4	159	0.00	4.71
19	P	Hexachloroethane	0.451	0.475	-5.3	159	0.00	4.76
20	P	N-Nitroso-di-n-propylamin	0.751	0.711	5.3	146	0.00	4.74
21	P	3&4-Methylphenol	1.330	1.243	6.5	143	0.00	4.73
22	I	Naphthalene-d8	1.000	1.000	0.0	147	0.00	5.41
23	S	Nitrobenzene-d5	0.302	0.331	-9.6	160	0.00	4.82
24	P	Nitrobenzene	0.295	0.312	-5.8	155	0.00	4.84
25	P	Isophorone	0.577	0.596	-3.3	154	0.00	5.03
26	P	2-Nitrophenol	0.214	0.216	-0.9	148	0.00	5.10
27	P	2,4-Dimethylphenol	0.315	0.321	-1.9	150	0.00	5.15
28	P	bis(2-Chloroethoxy)methan	0.352	0.361	-2.6	152	0.00	5.22
29		Benzoic Acid	0.296	0.296	0.0	153	-0.02	5.30
30	P	2,4-Dichlorophenol	0.317	0.319	-0.6	147	0.00	5.31
31		1,2,4-Trichlorobenzene	0.348	0.350	-0.6	149	0.00	5.37
32	P	Naphthalene	1.082	1.069	1.2	147	0.00	5.43
33	P	4-Chloroaniline	0.454	0.431	5.1	140	0.00	5.51
34		2,6-Dichlorophenol	0.313	0.305	2.6	144	0.00	5.52
35	P	Hexachlorobutadiene	0.166	0.173	-4.2	153	0.00	5.60
36	P	Caprolactam	0.122	0.128	-4.9	156	0.00	5.87
37	P	4-Chloro-3-methylphenol	0.281	0.281	0.0	147	0.00	6.03
38	P	2-Methylnaphthalene	0.758	0.739	2.5	145	0.00	6.13
39		1-Methylnaphthalene	0.701	0.691	1.4	146	0.00	6.26
40	P	1,2,4,5-Tetrachlorobenzen	0.324	0.324	0.0	150	0.00	6.38

Continuing Calibration Summary

Job Number: F92489 **Sample:** ST114-CC108
Account: URSNCM URS Corporation **Lab FileID:** T002057.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

41	I	Acenaphthene-d10	1.000	1.000	0.0	138	0.00	7.49
42	P	Hexachlorocyclopentadiene	0.350	0.403	-15.1	153	-0.01	6.40
43	P	2,4,6-Trichlorophenol	0.397	0.422	-6.3	145	0.00	6.51
44	P	2,4,5-Trichlorophenol	0.420	0.442	-5.2	144	0.00	6.56
45	S	2-Fluorobiphenyl	1.373	1.448	-5.5	145	0.00	6.61
46	P	1,1'-Biphenyl	1.434	1.479	-3.1	145	0.00	6.71
47	P	2-Chloronaphthalene	1.135	1.101	3.0	136	0.00	6.71
48	P	2-Nitroaniline	0.289	0.313	-8.3	149	0.00	6.91
49	P	Acenaphthylene	2.024	2.082	-2.9	142	0.00	7.28
50	P	Dimethylphthalate	1.297	1.295	0.2	138	0.00	7.23
51		m-Dinitrobenzene	0.257	0.263	-2.3	140	0.00	7.23
52	P	2,6-Dinitrotoluene	0.325	0.330	-1.5	140	0.00	7.31
53	P	Acenaphthene	1.209	1.224	-1.2	140	0.00	7.55
54	P	3-Nitroaniline	0.391	0.385	1.5	138	0.00	7.51
		----------	Amount	Calc.	%Drift		----------	
55	P	2,4-Dinitrophenol	50.000	50.714	-1.4	138	0.00	7.65
		----------	AvgRF	CCRF	%Dev		----------	
56	P	Dibenzofuran	1.715	1.741	-1.5	140	0.00	7.78
57	P	2,4-Dinitrotoluene	0.431	0.438	-1.6	139	0.00	7.89
58	P	4-Nitrophenol	0.143	0.154	-7.7	143	0.00	7.83
59	P	2,3,4,6-Tetrachlorophenol	0.334	0.344	-3.0	143	0.00	8.06
60	P	Fluorene	1.385	1.363	1.6	138	0.00	8.31
61	P	4-Chlorophenyl-phenylethe	0.619	0.627	-1.3	141	0.00	8.35
62	P	Diethylphthalate	1.225	1.223	0.2	139	0.00	8.32
63	P	4-Nitroaniline	0.392	0.392	0.0	137	0.00	8.46
64	I	Phenanthrene-d10	1.000	1.000	0.0	137	0.00	9.85
65	P	4,6-Dinitro-2-methylpheno	0.153	0.164	-7.2	141	-0.01	8.53
66	P	n-Nitrosodiphenylamine	0.564	0.572	-1.4	139	-0.01	8.58
67		1,2-Diphenylhydrazine	0.628	0.664	-5.7	139	-0.01	8.61
68	S	2,4,6-Tribromophenol	0.090	0.088	2.2	137	0.00	8.74
69	P	4-Bromophenyl-phenylether	0.195	0.198	-1.5	141	0.00	9.15
70	P	Hexachlorobenzene	0.206	0.205	0.5	137	-0.01	9.35
71		Simazine	0.116	0.127	-9.5	149	0.00	9.54
72	P	Atrazine	0.192	0.216	-12.5	155	0.00	9.61
73	P	Pentachlorophenol	0.154	0.155	-0.6	135	0.00	9.68
74	P	Phenanthrene	1.098	1.085	1.2	137	0.00	9.89
75	P	Anthracene	1.142	1.131	1.0	137	0.00	9.97
76	P	Carbazole	1.099	1.083	1.5	136	0.00	10.31
77	P	Di-n-butylphthalate	1.231	1.209	1.8	135	0.02	11.20
78	P	Fluoranthene	1.126	1.086	3.6	134	0.00	12.01
79	I	Chrysene-d12	1.000	1.000	0.0	129	0.00	14.69
80		Benzidine	0.682	0.765	-12.2	151	-0.02	12.37
81	P	Pyrene	1.356	1.393	-2.7	131	-0.03	12.40
82	S	Terphenyl-d14	0.862	0.893	-3.6	132	-0.02	12.85
83	P	Butylbenzylphthalate	0.624	0.653	-4.6	133	0.00	13.94
84	P	3,3'-Dichlorobenzidine	0.409	0.430	-5.1	137	0.00	14.75
85	P	Benzo[a]anthracene	1.162	1.193	-2.7	132	0.00	14.66
86	P	Chrysene	1.029	1.021	0.8	128	-0.01	14.74
87	P	bis(2-Ethylhexyl)phthalat	0.836	0.877	-4.9	132	0.00	15.16
88	I	Perylene-d12	1.000	1.000	0.0	129	0.00	17.16
89	P	Di-n-octylphthalate	1.544	1.610	-4.3	133	-0.01	16.26
90	P	Benzo[b]fluoranthene	1.162	1.223	-5.2	138	-0.02	16.57
91	P	Benzo[k]fluoranthene	1.124	1.068	5.0	123	-0.02	16.61
92	P	Benzo[a]pyrene	1.126	1.139	-1.2	131	-0.01	17.07
93	P	Indeno[1,2,3-cd]pyrene	0.970	1.028	-6.0	133	0.00	18.74

Continuing Calibration Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: ST114-CC108
Lab FileID: T002057.D

94	P	Dibenz[a,h]anthracene	0.987	1.033	-4.7	132	0.00	18.79
95	P	Benzo[g,h,i]perylene	1.033	1.054	-2.0	131	0.00	19.08

(#) = Out of Range SPCC's out = 0 CCC's out = 0
T001933.D 8270d.m Mon Apr 30 11:42:17 2012

Continuing Calibration Summary

Job Number: F92489 **Sample:** ST115-CC108
Account: URSNCM URS Corporation **Lab FileID:** T002082.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\DATA\050112\T002082.D Vial: 2
Acq On : 1 May 2012 12:06 pm Operator: fouads
Sample : cc108-50 Inst : MSBNA06
Misc : op41303,st115,30.0,,,1,1,soil Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\2\METHODS\8270d.m (RTE Integrator)
Title : SW846 8270D OR EPA 625
Last Update : Wed May 02 08:59:40 2012
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	114	0.00	4.37
2		1,4-Dioxane	0.623	0.681	-9.3	126	-0.07	1.86
3		N-nitrosodimethylamine	0.613	0.735	-19.9	136	-0.06	2.24
4		Pyridine	1.414	1.450	-2.5	113	-0.06	2.22
5	P	Benzaldehyde	0.767	0.953	-24.3#	176	0.00	4.05
6		Aniline	1.979	2.052	-3.7	119	0.00	4.17
7	S	2-Fluorophenol	1.338	1.359	-1.6	115	-0.01	3.46
8	P	bis(2-Chloroethyl)ether	1.172	1.244	-6.1	120	0.00	4.21
9	S	Phenol-d5	1.559	1.586	-1.7	117	0.00	4.18
10	P	Phenol	1.736	1.734	0.1	114	0.00	4.19
11	P	2-Chlorophenol	1.442	1.499	-4.0	118	0.00	4.25
12		1,3-Dichlorobenzene	1.596	1.678	-5.1	120	0.00	4.34
13		1,4-Dichlorobenzene	1.604	1.665	-3.8	118	0.00	4.38
14		1,2-Dichlorobenzene	1.519	1.578	-3.9	118	0.00	4.52
15		Benzyl alcohol	0.958	0.991	-3.4	116	0.00	4.50
16	P	bis(2-chloroisopropyl)eth	1.718	1.897	-10.4	127	0.00	4.61
17	P	2-Methylphenol	1.222	1.240	-1.5	112	0.04	4.61
18	P	Acetophenone	1.683	1.789	-6.3	120	0.00	4.69
19	P	Hexachloroethane	0.451	0.491	-8.9	123	0.00	4.74
20	P	N-Nitroso-di-n-propylamin	0.751	0.739	1.6	113	0.00	4.72
21	P	3&4-Methylphenol	1.330	1.297	2.5	112	0.00	4.72
22	I	Naphthalene-d8	1.000	1.000	0.0	110	0.00	5.39
23	S	Nitrobenzene-d5	0.302	0.337	-11.6	123	0.00	4.81
24	P	Nitrobenzene	0.295	0.325	-10.2	121	0.00	4.82
25	P	Isophorone	0.577	0.612	-6.1	119	0.00	5.01
26	P	2-Nitrophenol	0.214	0.227	-6.1	117	0.00	5.07
27	P	2,4-Dimethylphenol	0.315	0.340	-7.9	119	0.00	5.13
28	P	bis(2-Chloroethoxy)methan	0.352	0.368	-4.5	117	0.00	5.20
29		Benzoic Acid	0.296	0.328	-10.8	127	-0.02	5.28
30	P	2,4-Dichlorophenol	0.317	0.339	-6.9	117	0.00	5.29
31		1,2,4-Trichlorobenzene	0.348	0.370	-6.3	118	0.00	5.35
32	P	Naphthalene	1.082	1.133	-4.7	117	0.00	5.41
33	P	4-Chloroaniline	0.454	0.459	-1.1	112	0.00	5.49
34		2,6-Dichlorophenol	0.313	0.330	-5.4	117	0.00	5.50
35	P	Hexachlorobutadiene	0.166	0.182	-9.6	121	0.00	5.58
36	P	Caprolactam	0.122	0.128	-4.9	117	-0.01	5.84
37	P	4-Chloro-3-methylphenol	0.281	0.299	-6.4	118	0.00	6.00
38	P	2-Methylnaphthalene	0.758	0.796	-5.0	117	0.00	6.11
39		1-Methylnaphthalene	0.701	0.737	-5.1	117	0.00	6.23
40	P	1,2,4,5-Tetrachlorobenzen	0.324	0.352	-8.6	122	0.00	6.35

Continuing Calibration Summary

Job Number: F92489 **Sample:** ST115-CC108
Account: URSNCM URS Corporation **Lab FileID:** T002082.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

41	I	Acenaphthene-d10	1.000	1.000	0.0	108	0.00	7.47
42	P	Hexachlorocyclopentadiene	0.350	0.413	-18.0	123	0.00	6.38
43	P	2,4,6-Trichlorophenol	0.397	0.444	-11.8	119	0.00	6.49
44	P	2,4,5-Trichlorophenol	0.420	0.462	-10.0	117	0.00	6.54
45	S	2-Fluorobiphenyl	1.373	1.514	-10.3	118	0.00	6.58
46	P	1,1'-Biphenyl	1.434	1.494	-4.2	114	0.00	6.69
47	P	2-Chloronaphthalene	1.135	1.165	-2.6	113	0.00	6.69
48	P	2-Nitroaniline	0.289	0.323	-11.8	120	0.00	6.88
49	P	Acenaphthylene	2.024	2.174	-7.4	116	0.00	7.25
50	P	Dimethylphthalate	1.297	1.366	-5.3	114	0.00	7.21
51		m-Dinitrobenzene	0.257	0.277	-7.8	115	0.00	7.20
52	P	2,6-Dinitrotoluene	0.325	0.349	-7.4	115	0.00	7.29
53	P	Acenaphthene	1.209	1.299	-7.4	116	0.00	7.52
54	P	3-Nitroaniline	0.391	0.412	-5.4	115	0.00	7.47
		----------	Amount	Calc.	%Drift		----------	
55	P	2,4-Dinitrophenol	50.000	54.748	-9.5	117	0.00	7.62
		----------	AvgRF	CCRF	%Dev		----------	
56	P	Dibenzofuran	1.715	1.843	-7.5	116	0.00	7.75
57	P	2,4-Dinitrotoluene	0.431	0.465	-7.9	115	0.00	7.86
58	P	4-Nitrophenol	0.143	0.167	-16.8	121	0.01	7.80
59	P	2,3,4,6-Tetrachlorophenol	0.334	0.372	-11.4	121	0.00	8.03
60	P	Fluorene	1.385	1.483	-7.1	117	0.00	8.28
61	P	4-Chlorophenyl-phenylethe	0.619	0.675	-9.0	119	0.01	8.33
62	P	Diethylphthalate	1.225	1.332	-8.7	119	0.00	8.30
63	P	4-Nitroaniline	0.392	0.420	-7.1	115	0.00	8.43
64	I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00	9.82
65	P	4,6-Dinitro-2-methylpheno	0.153	0.175	-14.4	118	-0.02	8.50
66	P	n-Nitrosodiphenylamine	0.564	0.605	-7.3	116	-0.02	8.55
67		1,2-Diphenylhydrazine	0.628	0.683	-8.8	113	-0.01	8.58
68	S	2,4,6-Tribromophenol	0.090	0.093	-3.3	114	-0.01	8.71
69	P	4-Bromophenyl-phenylether	0.195	0.208	-6.7	117	0.00	9.12
70	P	Hexachlorobenzene	0.206	0.216	-4.9	114	-0.01	9.32
71		Simazine	0.116	0.133	-14.7	123	0.00	9.51
72	P	Atrazine	0.192	0.220	-14.6	125	0.00	9.58
73	P	Pentachlorophenol	0.154	0.169	-9.7	116	0.00	9.66
74	P	Phenanthrene	1.098	1.155	-5.2	115	0.00	9.86
75	P	Anthracene	1.142	1.191	-4.3	114	0.00	9.94
76	P	Carbazole	1.099	1.159	-5.5	115	0.00	10.28
77	P	Di-n-butylphthalate	1.231	1.302	-5.8	114	0.02	11.16
78	P	Fluoranthene	1.126	1.180	-4.8	114	0.02	11.98
79	I	Chrysene-d12	1.000	1.000	0.0	103	0.00	14.66
80		Benzidine	0.682	0.869	-27.4#	138	-0.02	12.35
81	P	Pyrene	1.356	1.478	-9.0	111	-0.03	12.37
82	S	Terphenyl-d14	0.862	0.949	-10.1	112	-0.02	12.82
83	P	Butylbenzylphthalate	0.624	0.702	-12.5	115	0.00	13.91
84	P	3,3'-Dichlorobenzidine	0.409	0.480	-17.4	123	0.00	14.72
85	P	Benzo[a]anthracene	1.162	1.265	-8.9	112	0.00	14.63
86	P	Chrysene	1.029	1.097	-6.6	110	0.00	14.71
87	P	bis(2-Ethylhexyl)phthalat	0.836	0.936	-12.0	113	0.01	15.13
88	I	Perylene-d12	1.000	1.000	0.0	104	0.00	17.13
89	P	Di-n-octylphthalate	1.544	1.739	-12.6	115	0.00	16.23
90	P	Benzo[b]fluoranthene	1.162	1.288	-10.8	116	-0.01	16.53
91	P	Benzo[k]fluoranthene	1.124	1.147	-2.0	105	-0.01	16.58
92	P	Benzo[a]pyrene	1.126	1.200	-6.6	111	-0.01	17.03
93	P	Indeno[1,2,3-cd]pyrene	0.970	1.084	-11.8	112	0.00	18.70

Continuing Calibration Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: ST115-CC108
Lab FileID: T002082.D

94	P	Dibenz[a,h]anthracene	0.987	1.092	-10.6	112	0.00	18.75
95	P	Benzo[g,h,i]perylene	1.033	1.116	-8.0	111	0.00	19.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0
T001933.D 8270d.m Wed May 02 13:18:20 2012

6.7.5

6

Southeast ACCUTEST LABORATORIES

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GFF651-MB	FF15571.D	1	04/27/12	MM	n/a	n/a	GFF651

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

F92489-2, F92489-3, F92489-4, F92489-7

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.50	0.16	ug/l	
74-84-0	Ethane	ND	1.0	0.32	ug/l	
74-85-1	Ethene	ND	1.0	0.43	ug/l	

Blank Spike Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GFF651-BS	FF15572.D	1	04/27/12	MM	n/a	n/a	GFF651

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

F92489-2, F92489-3, F92489-4, F92489-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
74-82-8	Methane	108	112	104	54-149
74-84-0	Ethane	219	237	108	57-143
74-85-1	Ethene	290	311	107	57-143

Matrix Spike Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F92489-2MS	FF15578.D	20	04/27/12	MM	n/a	n/a	GFF651
F92489-2 [a]	FF15573.D	1	04/27/12	MM	n/a	n/a	GFF651
F92489-2 [a]	FF15577.D	20	04/27/12	MM	n/a	n/a	GFF651

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

F92489-2, F92489-3, F92489-4, F92489-7

CAS No.	Compound	F92489-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
74-82-8	Methane	11000 [c]		108	11800	741* [b]	54-149
74-84-0	Ethane	601		219	1280	310* [b]	57-143
74-85-1	Ethene	238		290	1200	332*	57-143

(a) Sample was not preserved to a pH < 2.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Result is from Run #2.

Duplicate Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F92489-3DUP	FF15583.D	1	04/27/12	MM	n/a	n/a	GFF651
F92489-3 [a]	FF15574.D	1	04/27/12	MM	n/a	n/a	GFF651
F92489-3 [a]	FF15582.D	20	04/27/12	MM	n/a	n/a	GFF651

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

F92489-2, F92489-3, F92489-4, F92489-7

CAS No.	Compound	F92489-3 ug/l	Q	DUP ug/l	Q	RPD	Limits
74-82-8	Methane	9620 [b]		9430	E	17	24
74-84-0	Ethane	107		124		15	23
74-85-1	Ethene	614		745		19*	10

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run #2.

Initial Calibration Summary

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: GFF641-ICC641
Lab FileID: FF15354.D

```
                    Response Factor Report  VOA9

Method       : C:\HPCHEM\2\METHODS\DGMEEP.M (Chemstation Integrator)
Title        : Dissolved Gases in Water
Last Update  : Tue Mar 13 11:26:29 2012
Response via : Initial Calibration

Calibration Files
1   =FF15358.D   2   =FF15351.D   3   =FF15352.D   4   =FF15353.D
5   =FF15354.D   6   =FF15355.D   7   =FF15356.D

   Compound             1     2     3     4     5     6     7     Avg   %RSD
-------------------------------------------------------------------------------
1)  Methane           1.017 0.836 0.567 0.604 0.706 0.602 0.677 0.716 E4  22.41
           ---- Linear regr., Force(0,0) ----  Coefficient =  0.9971
             Response Ratio = 0.00000 + 6622.56412 *A

2)  Acetylene         1.976 1.442 1.281 1.528 1.792 1.573 1.888 1.640 E4  15.40
           ---- Linear regr., Force(0,0) ----  Coefficient =  0.9938
             Response Ratio = 0.00000 + 18238.82606 *A

3)  Ethylene          1.619 1.424 1.069 1.164 1.359 1.107 1.274 1.288 E4  15.20
           ---- Linear regr., Force(0,0) ----  Coefficient =  0.9959
             Response Ratio = 0.00000 + 12410.54083 *A

4)  Ethane            1.559 1.382 1.054 1.151 1.353 1.122 1.290 1.273 E4  13.83
           ---- Linear regr., Force(0,0) ----  Coefficient =  0.9960
             Response Ratio = 0.00000 + 12565.86116 *A

5)  Propane                 1.524 1.387 1.752 2.098 1.650 1.902 1.719 E4  14.97
           ---- Linear regr., Force(0,0) ----  Coefficient =  0.9954
             Response Ratio = 0.00000 + 18532.68471 *A

-------------------------------------------------------------------------------
(#) = Out of Range

          DGMEEP.M          Tue Mar 13 14:40:29 2012
```

7.5.1

7

Initial Calibration Verification

Job Number: F92489
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: GFF641-ICV641
Lab FileID: FF15357.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\031312\FF15357.D          Vial: 9
Acq On    : 13 Mar 2012  10:50 am                   Operator: MikeM
Sample    : icv641-1000                             Inst    : VOA9
Misc      : gc13420,gff641,,,,,                     Multiplr: 1.00
IntFile   : EVENTS.E

Method       : C:\HPCHEM\2\METHODS\DGMEEP.M (Chemstation Integrator)
Title        : Dissolved Gases in Water
Last Update  : Tue Mar 13 11:26:29 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
		Amount	Calc.	%Drift			
1	Methane	1000.000	1088.150	-8.8	102	0.00	0.53- 1.13
2	Acetylene	1000.000	1063.006	-6.3	108	0.00	1.22- 2.21
3	Ethylene	1000.000	1144.586	-14.5	105	0.00	1.92- 2.72
4	Ethane	1000.000	1142.292	-14.2	106	0.00	2.44- 3.24
5	Propane	1000.000	793.850	20.6#	70	0.00	6.00- 7.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
FF15354.D DGMEEP.M Tue Mar 13 14:40:58 2012

7.5.2

7

Continuing Calibration Summary

Job Number: F92489 **Sample:** GFF651-CC641
Account: URSNCM URS Corporation **Lab FileID:** FF15569.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\042712\FF15569.D          Vial: 1
Acq On    : 27 Apr 2012   9:09 am                   Operator: MikeM
Sample    : cc641-500                               Inst    : VOA9
Misc      : gc13591,gff651,,,,,                     Multiplr: 1.00
IntFile   : EVENTS.E

Method       : C:\HPCHEM\2\METHODS\DGMEEP.M (Chemstation Integrator)
Title        : Dissolved Gases in Water
Last Update  : Wed Apr 18 15:09:37 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
		Amount	Calc.	%Drift			
1	Methane	500.000	462.332	7.5	101	0.03	0.49- 1.09
2	Acetylene	500.000	383.030	23.4#	91	0.00	1.18- 2.18
3	Ethylene	500.000	449.478	10.1	96	0.00	1.89- 2.69
4	Ethane	500.000	436.791	12.6	95	-0.02	2.43- 3.23
5	Propane	500.000	453.397	9.3	96	-0.02	5.99- 6.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
FF15353.D DGMEEP.M Mon Apr 30 10:12:14 2012

7.5.3

7

Continuing Calibration Summary

Job Number: F92489 **Sample:** GFF651-CC641
Account: URSNCM URS Corporation **Lab FileID:** FF15580.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
                    Evaluate Continuing Calibration Report

 Data File : C:\HPCHEM\2\DATA\042712\FF15580.D           Vial: 12
 Acq On    : 27 Apr 2012  12:33 pm                   Operator: MikeM
 Sample    : cc641-1000                              Inst    : VOA9
 Misc      : gc13621,gff651,,,,,                     Multiplr: 1.00
 IntFile   : EVENTS.E

 Method       : C:\HPCHEM\2\METHODS\DGMEEP.M (Chemstation Integrator)
 Title        : Dissolved Gases in Water
 Last Update  : Wed Apr 18 15:09:37 2012
 Response via : Multiple Level Calibration

 Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
 Max. RRF Dev :  15%     Max. Rel. Area : 150%

        Compound                Amount  Calc.    %Drift Area% Dev(min)RT Window
 ---------------------------------------------------------------------------

           -------------------- Amount  Calc.    %Drift  --------------
 1     Methane                1000.000 1043.112     -4.3   98   0.03    0.49- 1.09
 2     Acetylene              1000.000 960.210      4.0   98   0.01    1.18- 2.18
 3     Ethylene               1000.000 1067.162     -6.7   97   0.00    1.89- 2.69
 4     Ethane                 1000.000 1051.162     -5.1   98   0.00    2.43- 3.23
 5     Propane                1000.000 1064.937     -6.5   94  -0.01    5.99- 6.99
-----------------------------------------------------------------------------
-----------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    FF15354.D  DGMEEP.M         Mon Apr 30 10:12:38 2012
```

7.5.4

7

Continuing Calibration Summary

Job Number: F92489 **Sample:** GFF651-ECC641
Account: URSNCM URS Corporation **Lab FileID:** FF15592.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\042712\FF15592.D          Vial: 24
Acq On    : 27 Apr 2012   4:32 pm                   Operator: MikeM
Sample    : ecc641-1000                             Inst    : VOA9
Misc      : gc13621,gff651,,,,,                     Multiplr: 1.00
IntFile   : EVENTS.E

Method       : C:\HPCHEM\2\METHODS\DGMEEP.M (Chemstation Integrator)
Title        : Dissolved Gases in Water
Last Update  : Wed Apr 18 15:09:37 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
		Amount	Calc.	%Drift			
1	Methane	1000.000	1100.004	-10.0	103	0.03	0.49- 1.09
2	Acetylene	1000.000	1009.910	-1.0	103	0.02	1.18- 2.18
3	Ethylene	1000.000	1125.475	-12.5	103	0.00	1.89- 2.69
4	Ethane	1000.000	1101.520	-10.2	102	-0.02	2.43- 3.23
5	Propane	1000.000	1143.332	-14.3	101	-0.05	5.99- 6.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
FF15354.D DGMEEP.M Mon Apr 30 10:12:38 2012

7.5.5

7

APPENDIX B-2

QUALIFIED ANALYTICAL RESULTS AND LABORATORY REPORT - OCTOBER 2012

QUALIFIED DATA – OCTOBER 2012

Data Evaluation Checklist
Organic Analyses

Project:	Hamilton Beach Brands – Washington, NC	Project No.:	31828403.00001
Work Orders:	F97758 & F97802	Method(s):	SW-846 8260B (Select VOC), SW-846 8270D (3&4-Methylphenol, bis(2-Ethylhexyl)phthalate, & 2-Methylnaphthalene), and RSK SOP-147/175 (MEE)
Laboratory:	Accutest-Southeast, Orlando, FL	Sample IDs:	Refer to **Attachment A** (Sample Summaries)
Matrix:	Water	Sample Dates:	10/08/12 & 10/09/12
Reviewer:	Jenine Abbassi	Date:	10/25/12
ITR[1]:	Martha Meyers-Lee	Date:	11/27/12

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were holding times met?	✓			• 8260B: ≤7 days (unpreserved) • 8270D: ≤7 days to extract, ≤40 days after extraction • 147/175: ≤7 days (unpreserved)	
2. Were sample storage and preservation requirements met?	✓			• Temperatures of sample containers upon receipt were 2.8 and 3.0°C (≤6°C). • All samples were received by the laboratory unpreserved. • Headspace was not observed in any VOA vials containing water samples	
3. Were measurement results for all project-specified target analytes reported?	✓				
4. Was a method blank analyzed with each batch?	✓			• 8260B: VN2659-MB, VN2660-MB, & VN2663-MB • 8270D: OP43967-MB (Analyzed on 10/12/12, 10/16/12, & 10/18/12) • 147/175: GXY2437-MB, GFF680-MB, & GFF681-MB	
5. Were target analytes reported in the method blank above the Detection Limit (DL)?		✓			
6. Were target analytes reported in field blank analyses (e.g., trip, ~~ambient, field, or equipment~~) or drilling water above the DL?		✓			
7. Was carryover suspected by the laboratory during sample analysis?			✓		
8. Were analytes detected during the diluted analysis of a sample, but not undiluted or lower dilution?			✓		

[1] Independent Technical Reviewer

Data Evaluation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
9. Were contaminants detected in samples below the blank contamination action level?			✓	Blank contamination does not exist.	
10. Was a field duplicate analyzed?	✓			MW-GAW12 is a field duplicate of MW-GAW2	
11. Was precision deemed acceptable as defined by the project plans and/or DV Guidelines?		✓		Refer to **Attachment B** (Field Duplicate Evaluation)	J
12. Was a LCS prepared/analyzed with each batch?	✓			• 8260B: VN2659-BS, VN2660-BS, & VN2663-BS • 8270D: OP43967-BS (10/12/12 & 10/19/12) • 147/175: GXY2437-BS, GFF680-BS, & GFF681-BS	
13. Were LCS recoveries within lab/project[2] specifications?		✓		• OP43967-BS, 8270D: o 10/12/12 analysis: 2-Methylnaphthalene @ 115%R (56-112). Qualification of data is not required, because the analyte was not detected in the associated sample (i.e., F978052-5) and a high recovery is indicative of a positive bias o 10/19/12 analysis: 3&4-Methyphenol @ 49%R (32-85). Qualification of data is not required, because all 3&4-methylphenol sample results were reported from the 10/12/12 analysis.	
14. Were LCS/LCSD RPD within lab specifications?			✓	LCS only	
15. Was a MS/MSD pair analyzed with each batch?	✓			• 8260B: o VN2659: F97553-5 (Batch), MS/MSD o VN2660: F97802-1 (NW-G-12), MS/MSD o VN2663: F97965-2 (Batch), MS/MSD • 8270D: F97806-3 (Batch), MS/MSD • 147/175: o GXY2437: F97729-12 (Batch), MS only o GFF680: F97755-3 (Batch), MS only o GFF681: F97660-14 (Batch), MS only	
16. Is the MS/MSD parent sample a project-specific sample?	✓	✓			
17. Were MS/MSD recoveries within lab/project[3] specifications? *Only QC results for project samples are evaluated.*		✓		• NW-G-12 (F97802-1), 8260B: o Chloroethane MS/MSD @ 506 & 385%R (54-166). J-Flag positive result. o 1,1-Dichloroethylene MS/MSD @ 135 & 115%R (75-133). None, as MSD recovery falls within control limits. o cis-1,2-Dichloroethylene MS/MSD @ 187 & 155%R (81-114). J-Flag positive result.	J

[2] LCS recovery must fall within 60 to 140% of the true value.
[3] MS or MSD recovery should fall within 60 to 140% of the true value when laboratory control limits are <60 and >140%.

Data Evaluation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
				○ Vinyl chloride MS/MSD @ 233 & 250%R (57-153). An evaluation of interference is not possible, as the native sample concentration was greater than 4x spiking level.	
18. Were MS/MSD RPD within lab specifications? *Only QC results for project samples are evaluated.*		✓		NW-G-12 (F97802-1), 8260B: p-Isopropyl toluene RPD @ 10% (≤9). UJ ND.	UJ
19. Was a laboratory duplicate analyzed with each batch?		✓			
20. Is the laboratory duplicate sample a project-specific sample?		✓		• 8260B: None • 8270D: None • 147-175: ○ GXY2437: F97729-11 (Batch) ○ GFF680: F97755-3 (Batch) ○ GFF681: F97660-12 (Batch)	
21. Do laboratory duplicate results meet lab specifications? *Only QC results for project samples are evaluated.*			✓		
22. Were initial and continuing calibration standards analyzed at the lab/project-specified frequency for each instrument?	✓			• 8260B: • Initial Calibration (ICAL) of 09/18/12, instrument GCMSN • Initial Calibration Verification (ICV) of 09/18/12 @ 22:48 • Continuing Calibration Verification (CCV) of 10/11/12 @ 10:36[4] • CCV of 10/12/12 @ 08:33[5] • CCV of 10/15/12 @ 11:23[6] • 8270D: • ICAL of 10/01/12, instrument GCMSX • ICV of 10/01/12 @ 15:01 & 15:29 • CCV of 10/12/12@ 14:32[7] • ICAL of 10/16/12, instrument GCMSX • ICV of 10/16/12 @ 20:12 & 20:40 • CCV of 10/19/12 @ 10:49[8]	

[4] Associated samples: F97758-1, 2, 3, 4, 7, 8, 9, 10, 11, 12, & 13
[5] Associated sampled: F97758-5, 6, 8, 9, & 11; F97802-1 through 8
[6] Associated sample: F97758-3
[7] Associated samples: F97802-5 & 7

Data Evaluation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
				• 147/175: • ICAL of 07/24/12, instrument VOA5 • ICV of 07/24/12 @ 13:06 • CCV of 10/12/12 @ 08:06, 10:55, 14:14, & 16:10[9] • ICAL of 10/01/12, instrument VOA9 • ICV of 10/01/12 @ 13:12 • CCV of 10/12/12 @ 08:43, 11:47, 14:17, & 16:59[10] • CCV of 10/15/12 @ 09:09, 12:03, & 15:23[11]	
23. Were these results within lab/project specifications?		✓		See Comment section for the evaluation of tuning and calibration data.	
24. Were surrogate recoveries within lab/project specifications?	✓				
25. Were internal standard results within lab specifications?	✓				
26. Were TIC reported and were reported results qualified as estimated concentrations?			✓		
27. Were laboratory-generated Corrective Action Reports (i.e., QCER) issued? If yes, summarize contents or attach copy of the report.		✓			
28. Were lab comments included in report? If yes, summarize contents or attach a copy of the narrative.	✓			Refer to **Attachment C** (Case Narratives)	

Comments:

20. Evaluation of Tune and Calibration Data:

8260B & 8270D: Ion abundance tuning criteria were met during all BFB and DFTPP performance standard analyses. Samples were analyzed within 12 hours of each tune. Laboratory[12] and project[13] specifications were met during all initial and continuing calibrations for all GC/MS target analytes, except 2-methyl naphthalene. The percent difference (%D) between the initial calibration average relative response factor (RRF) and CCV response factor (RF) of 10/12/12 @ 14:32 on instrument GCMSX was -28.5% (≤20) for 2-methylnaphthalene. Qualification of data is not required, because a negative %D is indicative of a positive bias and 2-methylnaphthalene was not detected in the associated sample (F97802-5).

---

[8] Associated sample: F97802-7
[9] Associated samples: F97758-4 & 6
[10] Associated samples: F97802-2, 3, 4, & 7
[11] Associated samples: F97802-2 & 3
[12] SW-846 8260B: Initial calibration average relative response factor (RRF) and continuing calibration response factor (CCRF) ≥0.10 for chloromethane, 1,1-DCA, and bromoform, ≥0.30 for chlorobenzene and 1,1,2,2-tetrachloroethane; %RSD ≤30 for CCC (i.e., 1,1-DCE, toluene, chloroform, ethyl benzene, 1,2-dichloropropane, vinyl chloride) and ≤15 for all other compounds, OR r ≥0.995, OR r2 ≥0.99; and %D ≤20 for all compounds.
[13] Initial calibration average RRF and CCRF ≥0.010 for poor performers (e.g., ketones) and ≥0.050 for all others; ≤15%RSD, r≥ 0.995, or r^2 ≥0.99; and ≤20%D (≤40%D for poor performers)

Data Evaluation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
RSK SOP-147/175: Laboratory[14] specifications were met during the initial and continuing calibration of the GC for MEE.					
The data review process was modeled after the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Superfund Organic Methods Data Review* (EPA, June 2008). Sample results have been qualified based on the results of the data review process **(Attachment D)**. In performing the data evaluation, the URS' data reviewer assumed that the data reported by the laboratory are complete, compliant, and an accurate representation of the raw data. Criteria for acceptability of data were based upon available site information, analytical method requirements, guidance documents, and professional judgment.					

Flag Definitions:
J Estimated value
UJ Not detected and the detection limit is estimated
U Not present above the associated level; blank contamination exists
R Unusable data

[14] %RSD $\leq$15 or r^2>0.995, %D<20, & RT with 0.5 min of ICAL window

ATTACHMENT A

SAMPLE SUMMARIES

Accutest LabLink@13:17 22-Oct-2012

Sample Summary

URS Corporation

Job No: F97758

Hamilton Beach: 234 Springs Rd, Washington, NC
Project No: 31828403.00001

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F97758-1	10/08/12	11:15	MM	10/09/12	AQ	Surface Water	W81
F97758-2	10/08/12	11:30	MM	10/09/12	AQ	Surface Water	W82
F97758-3	10/08/12	12:00	MM	10/09/12	AQ	Ground Water	MW-211
F97758-4	10/08/12	13:15	MM	10/09/12	AQ	Ground Water	NW-AB-19
F97758-5	10/08/12	13:45	MM	10/09/12	AQ	Ground Water	NW-P-0
F97758-6	10/08/12	14:20	MM	10/09/12	AQ	Ground Water	MW-229
F97758-7	10/08/12	14:40	MM	10/09/12	AQ	Ground Water	M-2
F97758-8	10/08/12	15:00	MM	10/09/12	AQ	Ground Water	NW-K-6
F97758-9	10/08/12	15:10	MM	10/09/12	AQ	Ground Water	MW-209
F97758-10	10/08/12	15:30	MM	10/09/12	AQ	Ground Water	NW-F-2
F97758-11	10/08/12	15:50	MM	10/09/12	AQ	Ground Water	MW-213
F97758-12	10/08/12	16:15	MM	10/09/12	AQ	Ground Water	MW-219
F97758-13	10/08/12	16:30	MM	10/09/12	AQ	Trip Blank Water	TB-1

Accutest LabLink@17:36 23-Oct-2012

Sample Summary

URS Corporation

Job No: F97802

Hamilton Beach: 234 Springs Rd, Washington, NC
Project No: 31828403.00001

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F97802-1	10/09/12	08:30	MM	10/10/12	AQ	Ground Water	NW-G-12
F97802-2	10/09/12	08:50	MM	10/10/12	AQ	Ground Water	NW-E-9
F97802-3	10/09/12	09:15	MM	10/10/12	AQ	Ground Water	NW-D-9
F97802-4	10/09/12	10:15	MM	10/10/12	AQ	Ground Water	MW-227
F97802-5	10/09/12	10:40	MM	10/10/12	AQ	Ground Water	MW-GAW2
F97802-6	10/09/12	10:50	MM	10/10/12	AQ	Ground Water	MW-GAW12
F97802-7	10/09/12	11:15	MM	10/10/12	AQ	Ground Water	MW-ERH2
F97802-8	10/09/12	11:50	MM	10/10/12	AQ	Ground Water	NW-R-14

ATTACHMENT B

FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results

Attachment B

Analyte	MW-GAW2 (F97802-5)	RL	MW-GAW12 (F97802-6)	RL	Unit	Avg. RLx5	RPD	Absolute difference	Avg RL	Action
Benzene	0.43 J	1.0	0.48 J	1.0	µg/L	5	NA	0.05	1.0	None, absolute difference ≤ Avg RL
Chloroethane	6.5	2.0	6.7	2.0	µg/L	10	NA	0.2	2.0	None, absolute difference ≤ Avg RL
1,1-Dichloroethane	34.3	1.0	39.2	1.0	µg/L	5	13	NA	NA	None, RPD ≤ 20%
1,1-Dichloroethylene	4.8	1.0	7.8	1.0	µg/L	5	NA	**3**	**1.0**	**J/UJ-flag, absolute difference > Avg RL**
cis-1,2-Dichloroethylene	3.0	1.0	4.7	1.0	µg/L	5	NA	**1.7**	**1.0**	**J/UJ-flag, absolute difference > Avg RL**
Naphthalene	1.8 J	5.0	1.1 J	5.0	µg/L	25	NA	0.7	5.0	None, absolute difference ≤ Avg RL
1,2,4-Trimethylbenzene	0.77 J	2.0	0.73 J	2.0	µg/L	10	NA	0.04	2.0	None, absolute difference ≤ Avg RL
Toluene	0.45 J	1.0	0.48 J	1.0	µg/L	5	NA	0.03	1.0	None, absolute difference ≤ Avg RL
Trichloroethylene	1.1	1.0	1.4	1.0	µg/L	5	NA	0.3	1.0	None, absolute difference ≤ Avg RL
Vinyl chloride	16.8	1.0	23.2	1.0	µg/L	5	**32**	NA	NA	**J/UJ-flag, RPD > 20%**
o-Xylene	1.3	1.0	1.6	1.0	µg/L	5	NA	0.3	1.0	None, absolute difference ≤ Avg RL

Note: If the analyte was not detected, then the cell was left blank.

µg/L - micrograms per liter
J - Estimated value
NA - Not applicable
RL - Reporting limit
RPD - Relative percent difference

Precision is based on either the absolute difference between sample results or RPD. If the sample results are less than or equal to 5x's the RL, then precision is based on the absolute difference between duplicate results. If sample results >5x's RL, then precision is evaluated using RPD. J-Flag sample results whenever the absolute difference is greater than the RL (2x for soils) or the RPD >20% (35% for soil). Table above presents the results for detected analytes only.

ATTACHMENT C

CASE NARRATIVES

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: URS Corporation **Job:** F97758

Site: Hamilton Beach: 234 Springs Rd, Washington, NC **Report Date:** 10/22/2012 1:09:23 PM

12 Samples and 1 Trip Blank were collected on 10/08/2012 and were received at Accutest SE on 10/09/2012 properly preserved, at 3 Deg. C and intact. These Samples received an Accutest job number of F97758. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VN2659

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F97553-5MS, F97553-5MSD were used as the QC samples indicated.

Matrix Spike Duplicate Recovery(s) for 1,2,4-Trimethylbenzene are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

RPD(s) for MSD for 1,2,4-Trimethylbenzene, Carbon tetrachloride, p-Isopropyltoluene are outside control limits for sample F97553-5MSD. Probable cause is due to sample non-homogeneity.

F97758-1: Sample was not preserved to a pH < 2.

F97758-2: Sample was not preserved to a pH < 2.

F97758-3: Sample was not preserved to a pH < 2.

F97758-4: Sample was not preserved to a pH < 2.

F97758-7: Sample was not preserved to a pH < 2.

F97758-8: Sample was not preserved to a pH < 2.

F97758-8: Sample was not preserved to a pH < 2.

F97758-10: Sample was not preserved to a pH < 2.

F97758-11: Sample was not preserved to a pH < 2.

F97758-12: Sample was not preserved to a pH < 2.

F97758-13: Sample was not preserved to a pH < 2.

Matrix: AQ **Batch ID:** VN2660

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F97802-1MS, F97802-1MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for Chloroethane, 1,1-Dichloroethylene, cis-1,2-Dichloroethylene, Vinyl chloride are outside control limits. Outside control limits due to high level in sample relative to spike amount. For method performance in a clean matrix, refer to Blank Spike.

Matrix Spike Duplicate Recovery(s) for Chloroethane, cis-1,2-Dichloroethylene, Vinyl chloride are outside control limits. Outside control limits due to high level in sample relative to spike amount. For method performance in a clean matrix, refer to Blank Spike.

RPD(s) for MSD for p-Isopropyltoluene are outside control limits for sample F97802-1MSD. Probable cause is due to sample non-homogeneity.

F97758-5: Sample was not preserved to a pH < 2.

F97758-8: Sample was not preserved to a pH < 2.

F97758-6: Sample was not preserved to a pH < 2.

F97758-9: Sample was not preserved to a pH < 2.

F97758-11: Sample was not preserved to a pH < 2.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VN2663

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F97965-2MS, F97965-2MSD were used as the QC samples indicated.

F97758-3: Sample was not preserved to a pH < 2.

Volatiles by GC By Method RSKSOP-147/175

Matrix: AQ **Batch ID:** GXY2437

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F97729-11DUP, F97729-12MS were used as the QC samples indicated.

F97758-4: Sample was not preserved to a pH < 2.

F97758-6: Sample was not preserved to a pH < 2.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

_____ Date: October 22, 2012

Kim Benham, Client Services (signature on file)

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: URS Corporation **Job** F97802

Site: Hamilton Beach: 234 Springs Rd, Washington, NC **Report Date** 10/23/2012 1:59:38 PM

8 Sample(s) were collected on 10/09/2012 and were received at Accutest SE on 10/10/2012 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of F97802. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VN2660

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F97802-1MS, F97802-1MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for Chloroethane, 1,1-Dichloroethylene, cis-1,2-Dichloroethylene,Vinyl chloride are outside control limits. Outside control limits due to high level in sample relative to spike amount. For method performance in a clean matrix, refer to Blank Spike.

Matrix Spike Duplicate Recovery(s) for Chloroethane, cis-1,2-Dichloroethylene,Vinyl chloride are outside control limits. Outside control limits due to high level in sample relative to spike amount. For method performance in a clean matrix, refer to Blank Spike.

RPD(s) for MSD for p-Isopropyltoluene are outside control limits for sample F97802-1MSD. Probable cause is due to sample non-homogeneity.

F97802-1: Sample was not preserved to a pH < 2.

F97802-2: Sample was not preserved to a pH < 2.

F97802-3: Sample was not preserved to a pH < 2.

F97802-4: Sample was not preserved to a pH < 2.

F97802-5: Sample was not preserved to a pH < 2.

F97802-6: Sample was not preserved to a pH < 2.

F97802-7: Sample was not preserved to a pH < 2.

F97802-8: Sample was not preserved to a pH < 2.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ **Batch ID:** OP43967

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F97806-3MS, F97806-3MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for 2-Methylnaphthalene are outside control limits. Recovery biased high, but sample was ND for 2-Methylnaphthalene.

Matrix Spike Recovery(s) for 2-Methylnaphthalene are outside control limits. Probable cause is due to matrix interference.

Sample(s) OP43967-MS, OP43967-MSD have surrogates outside control limits. Probable cause is due to matrix interference.

F97802-5 for 2-Methylnaphthalene: Associated BS recovery outside control limits.

Volatiles by GC By Method RSKSOP-147/175

Matrix: AQ **Batch ID:** GFF680

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F97755-3DUP, F97755-3MS were used as the QC samples indicated.
RPD(s) for Duplicate for Methane are outside control limits for sample F97755-3DUP. RPD acceptable due to low duplicate and sample concentrations.

F97802-2: Sample was not preserved to a pH < 2.

F97802-3: Sample was not preserved to a pH < 2.

F97802-4: Sample was not preserved to a pH < 2.

F97802-7: Sample was not preserved to a pH < 2.

Matrix: AQ **Batch ID:** GFF681

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F97660-12DUP, F97660-14MS were used as the QC samples indicated.

F97802-2: Sample was not preserved to a pH < 2.

F97802-3: Sample was not preserved to a pH < 2.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

_____ Date: October 23, 2012

Kim Benham, Client Services (signature on file)

ATTACHMENT D

QUALIFIED SAMPLE RESULTS

Report of Analysis

Client Sample ID:	W81		
Lab Sample ID:	F97758-1	**Date Sampled:**	10/08/12
Matrix:	AQ - Surface Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063030.D	1	10/11/12	RB	n/a	n/a	VN2659
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.21	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	1.6	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.45	1.0	0.24	ug/l	J
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	6.8	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		87-116%
17060-07-0	1,2-Dichloroethane-D4	109%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	98%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	W82		
Lab Sample ID:	F97758-2	**Date Sampled:**	10/08/12
Matrix:	AQ - Surface Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063031.D	1	10/11/12	RB	n/a	n/a	VN2659
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.21	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.5	2.0	0.20	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	MW-211		
Lab Sample ID:	F97758-3	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063032.D	1	10/11/12	RB	n/a	n/a	VN2659
Run #2 [a]	N0063096.D	5	10/15/12	RB	n/a	n/a	VN2663

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.21	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	5.2	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	2.0	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	170 [b]	5.0	1.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	10.1	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	10.1	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	5.8	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%	114%	87-116%
17060-07-0	1,2-Dichloroethane-D4	110%	113%	76-127%
2037-26-5	Toluene-D8	98%	99%	86-112%
460-00-4	4-Bromofluorobenzene	97%	100%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	NW-AB-19		
Lab Sample ID:	F97758-4	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063036.D	5	10/11/12	RB	n/a	n/a	VN2659
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	1.1	ug/l	
75-00-3	Chloroethane	275	10	2.5	ug/l	
67-66-3	Chloroform	ND	5.0	1.3	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.6	ug/l	
75-34-3	1,1-Dichloroethane	54.1	5.0	1.1	ug/l	
75-35-4	1,1-Dichloroethylene	7.1	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	18.8	5.0	1.1	ug/l	
156-59-2	cis-1,2-Dichloroethylene	44.2	5.0	1.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	ND	5.0	1.5	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	25	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	1.1	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	10	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.6	ug/l	
108-88-3	Toluene	5.8	5.0	1.0	ug/l	
79-01-6	Trichloroethylene	ND	5.0	1.6	ug/l	
75-01-4	Vinyl chloride	181	5.0	2.2	ug/l	
	m,p-Xylene	ND	10	1.5	ug/l	
95-47-6	o-Xylene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		87-116%
17060-07-0	1,2-Dichloroethane-D4	112%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	NW-AB-19		
Lab Sample ID:	F97758-4	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	XY056937.D	1	10/12/12	SH	n/a	n/a	GXY2437
Run #2	XY056949.D	20	10/12/12	SH	n/a	n/a	GXY2437

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	14400 [b]	10	3.2	ug/l	
74-84-0	Ethane	11.4	1.0	0.32	ug/l	
74-85-1	Ethene	27.2	1.0	0.43	ug/l	

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	NW-P-0		
Lab Sample ID:	F97758-5	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063067.D	1	10/12/12	RB	n/a	n/a	VN2660
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.21	ug/l	
75-00-3	Chloroethane	18.9	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	12.6	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	2.6	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	62.5	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	3.7	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.20	2.0	0.20	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	0.33	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	5.6	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	MW-229		
Lab Sample ID:	F97758-6	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063068.D	1	10/12/12	RB	n/a	n/a	VN2660
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.21	ug/l	
75-00-3	Chloroethane	4.9	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	32.1	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	44.9	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	66.5	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.6	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	46.6	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		87-116%
17060-07-0	1,2-Dichloroethane-D4	110%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	MW-229		
Lab Sample ID:	F97758-6	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	XY056938.D	1	10/12/12	SH	n/a	n/a	GXY2437
Run #2	XY056950.D	10	10/12/12	SH	n/a	n/a	GXY2437

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	3250 [b]	5.0	1.6	ug/l	
74-84-0	Ethane	18.5	1.0	0.32	ug/l	
74-85-1	Ethene	51.4	1.0	0.43	ug/l	

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	M-2		
Lab Sample ID:	F97758-7	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063033.D	1	10/11/12	RB	n/a	n/a	VN2659
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.21	ug/l	
75-00-3	Chloroethane	58.6	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	2.4	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	0.79	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		87-116%
17060-07-0	1,2-Dichloroethane-D4	109%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	NW-K-6		
Lab Sample ID:	F97758-8	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063039.D	50	10/11/12	RB	n/a	n/a	VN2659
Run #2 [a]	N0063070.D	100	10/12/12	RB	n/a	n/a	VN2660

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	50	11	ug/l	
75-00-3	Chloroethane	839	100	25	ug/l	
67-66-3	Chloroform	ND	50	13	ug/l	
56-23-5	Carbon tetrachloride	ND	50	16	ug/l	
75-34-3	1,1-Dichloroethane	3730	50	11	ug/l	
75-35-4	1,1-Dichloroethylene	3130	50	10	ug/l	
107-06-2	1,2-Dichloroethane	70.6	50	11	ug/l	
156-59-2	cis-1,2-Dichloroethylene	6380 [b]	100	24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	50	11	ug/l	
100-41-4	Ethylbenzene	ND	50	15	ug/l	
99-87-6	p-Isopropyltoluene	ND	50	10	ug/l	
91-20-3	Naphthalene	ND	250	50	ug/l	
103-65-1	n-Propylbenzene	ND	50	11	ug/l	
71-55-6	1,1,1-Trichloroethane	3420	50	10	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	10	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	100	10	ug/l	
127-18-4	Tetrachloroethylene	ND	50	16	ug/l	
108-88-3	Toluene	51.2	50	10	ug/l	
79-01-6	Trichloroethylene	654	50	16	ug/l	
75-01-4	Vinyl chloride	369	50	22	ug/l	
	m,p-Xylene	ND	100	15	ug/l	
95-47-6	o-Xylene	ND	50	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%	111%	87-116%
17060-07-0	1,2-Dichloroethane-D4	110%	112%	76-127%
2037-26-5	Toluene-D8	99%	98%	86-112%
460-00-4	4-Bromofluorobenzene	99%	99%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	MW-209		
Lab Sample ID:	F97758-9	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063071.D	2	10/12/12	RB	n/a	n/a	VN2660
Run #2 [a]	N0063040.D	250	10/11/12	RB	n/a	n/a	VN2659

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.42	ug/l	
75-00-3	Chloroethane	898 [b]	500	130	ug/l	
67-66-3	Chloroform	ND	2.0	0.53	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.63	ug/l	
75-34-3	1,1-Dichloroethane	82.7	2.0	0.43	ug/l	
75-35-4	1,1-Dichloroethylene	11.6	2.0	0.40	ug/l	
107-06-2	1,2-Dichloroethane	22.0	2.0	0.44	ug/l	
156-59-2	cis-1,2-Dichloroethylene	27.8	2.0	0.47	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.9	2.0	0.46	ug/l	J
100-41-4	Ethylbenzene	ND	2.0	0.58	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.40	ug/l	
91-20-3	Naphthalene	ND	10	2.0	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.40	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	4.0	0.40	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.64	ug/l	
108-88-3	Toluene	3.7	2.0	0.40	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.63	ug/l	
75-01-4	Vinyl chloride	20.2	2.0	0.88	ug/l	
	m,p-Xylene	ND	4.0	0.59	ug/l	
95-47-6	o-Xylene	ND	2.0	0.40	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%	111%	87-116%
17060-07-0	1,2-Dichloroethane-D4	115%	112%	76-127%
2037-26-5	Toluene-D8	98%	98%	86-112%
460-00-4	4-Bromofluorobenzene	98%	97%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	NW-F-2		
Lab Sample ID:	F97758-10	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063034.D	1	10/11/12	RB	n/a	n/a	VN2659
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.21	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	2.6	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	3.5	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		87-116%
17060-07-0	1,2-Dichloroethane-D4	110%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	MW-213		
Lab Sample ID:	F97758-11	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063069.D	1	10/12/12	RB	n/a	n/a	VN2660
Run #2 [a]	N0063041.D	5	10/11/12	RB	n/a	n/a	VN2659

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.54	1.0	0.21	ug/l	J
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	74.9	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	93.8 [b]	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	2.2	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	55.8	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.8	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	2.2	5.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	0.27	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	24.5	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	74.6	1.0	0.44	ug/l	
	m,p-Xylene	0.58	2.0	0.30	ug/l	J
95-47-6	o-Xylene	0.76	1.0	0.20	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%	114%	87-116%
17060-07-0	1,2-Dichloroethane-D4	112%	114%	76-127%
2037-26-5	Toluene-D8	98%	99%	86-112%
460-00-4	4-Bromofluorobenzene	97%	96%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	MW-219		
Lab Sample ID:	F97758-12	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063035.D	1	10/11/12	RB	n/a	n/a	VN2659
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.21	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	0.53	1.0	0.21	ug/l	J
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		87-116%
17060-07-0	1,2-Dichloroethane-D4	112%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	TB-1		
Lab Sample ID:	F97758-13	**Date Sampled:**	10/08/12
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063029.D	1	10/11/12	RB	n/a	n/a	VN2659
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.21	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	NW-G-12		
Lab Sample ID:	F97802-1	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063059.D	5	10/12/12	RB	n/a	n/a	VN2660
Run #2 [a]	N0063064.D	10	10/12/12	RB	n/a	n/a	VN2660

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	20.6	5.0	1.1	ug/l	
75-00-3	Chloroethane	417 J	10	2.5	ug/l	
67-66-3	Chloroform	ND	5.0	1.3	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.6	ug/l	
75-34-3	1,1-Dichloroethane	358	5.0	1.1	ug/l	
75-35-4	1,1-Dichloroethylene	355	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	21.6	5.0	1.1	ug/l	
156-59-2	cis-1,2-Dichloroethylene	448 [b] J	10	2.4	ug/l	
156-60-5	trans-1,2-Dichloroethylene	44.3	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	17.0	5.0	1.5	ug/l	
99-87-6	p-Isopropyltoluene	ND UJ	5.0	1.0	ug/l	
91-20-3	Naphthalene	54.2	25	5.0	ug/l	
103-65-1	n-Propylbenzene	5.4	5.0	1.1	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	55.7	10	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.6	ug/l	
108-88-3	Toluene	14.8	5.0	1.0	ug/l	
79-01-6	Trichloroethylene	ND	5.0	1.6	ug/l	
75-01-4	Vinyl chloride	554 [b]	10	4.4	ug/l	
	m,p-Xylene	21.2	10	1.5	ug/l	
95-47-6	o-Xylene	24.8	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%	109%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	108%	76-127%
2037-26-5	Toluene-D8	96%	98%	86-112%
460-00-4	4-Bromofluorobenzene	96%	96%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	NW-E-9		
Lab Sample ID:	F97802-2	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063065.D	1	10/12/12	RB	n/a	n/a	VN2660
Run #2 [a]	N0063060.D	10	10/12/12	RB	n/a	n/a	VN2660

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.21	ug/l	
75-00-3	Chloroethane	57.8 [b]	20	5.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	33.8	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	58.2	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	0.54	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	0.77	1.0	0.44	ug/l	J
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	111%	105%	76-127%
2037-26-5	Toluene-D8	98%	98%	86-112%
460-00-4	4-Bromofluorobenzene	99%	100%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	NW-E-9		
Lab Sample ID:	F97802-2	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	FF16357.D	1	10/12/12	CP	n/a	n/a	GFF680
Run #2 [a]	FF16383.D	20	10/15/12	CP	n/a	n/a	GFF681

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	14900 [b]	10	3.2	ug/l	
74-84-0	Ethane	936	1.0	0.32	ug/l	
74-85-1	Ethene	704	1.0	0.43	ug/l	

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	NW-D-9		
Lab Sample ID:	F97802-3	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063061.D	100	10/12/12	RB	n/a	n/a	VN2660
Run #2 [a]	N0063066.D	1000	10/12/12	RB	n/a	n/a	VN2660

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	100	21	ug/l	
75-00-3	Chloroethane	ND	200	50	ug/l	
67-66-3	Chloroform	ND	100	26	ug/l	
56-23-5	Carbon tetrachloride	ND	100	31	ug/l	
75-34-3	1,1-Dichloroethane	882	100	21	ug/l	
75-35-4	1,1-Dichloroethylene	1090	100	20	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	91900 [b]	1000	240	ug/l	
156-60-5	trans-1,2-Dichloroethylene	527	100	23	ug/l	
100-41-4	Ethylbenzene	ND	100	29	ug/l	
99-87-6	p-Isopropyltoluene	ND	100	20	ug/l	
91-20-3	Naphthalene	ND	500	100	ug/l	
103-65-1	n-Propylbenzene	ND	100	23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	200	20	ug/l	
127-18-4	Tetrachloroethylene	267	100	32	ug/l	
108-88-3	Toluene	ND	100	20	ug/l	
79-01-6	Trichloroethylene	2840	100	31	ug/l	
75-01-4	Vinyl chloride	3980	100	44	ug/l	
	m,p-Xylene	ND	200	30	ug/l	
95-47-6	o-Xylene	ND	100	20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%	110%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	111%	76-127%
2037-26-5	Toluene-D8	98%	97%	86-112%
460-00-4	4-Bromofluorobenzene	98%	97%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	NW-D-9		
Lab Sample ID:	F97802-3	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	FF16358.D	1	10/12/12	CP	n/a	n/a	GFF680
Run #2 [a]	FF16384.D	10	10/15/12	CP	n/a	n/a	GFF681

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	7850 [b]	5.0	1.6	ug/l	
74-84-0	Ethane	61.2	1.0	0.32	ug/l	
74-85-1	Ethene	289	1.0	0.43	ug/l	

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	MW-227		
Lab Sample ID:	F97802-4	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063056.D	1	10/12/12	RB	n/a	n/a	VN2660
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	3.0	1.0	0.21	ug/l	
75-00-3	Chloroethane	48.0	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.49	1.0	0.22	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.63	1.0	0.23	ug/l	J
100-41-4	Ethylbenzene	6.3	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	10.2	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.88	1.0	0.23	ug/l	J
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	7.9	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	1.9	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	1.6	2.0	0.30	ug/l	J
95-47-6	o-Xylene	2.2	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	MW-227		
Lab Sample ID:	F97802-4	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	FF16361.D	1	10/12/12	CP	n/a	n/a	GFF680
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.50	0.16	ug/l	U
74-84-0	Ethane	ND	1.0	0.32	ug/l	U
74-85-1	Ethene	ND	1.0	0.43	ug/l	U

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	MW-GAW2		
Lab Sample ID:	F97802-5	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063057.D	1	10/12/12	RB	n/a	n/a	VN2660
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.43	1.0	0.21	ug/l	J
75-00-3	Chloroethane	6.5	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	34.3	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	4.8 J	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	3.0 J	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	1.8	5.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.77	2.0	0.20	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	0.45	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	1.1	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	16.8 J	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	1.3	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		87-116%
17060-07-0	1,2-Dichloroethane-D4	106%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	MW-GAW2		
Lab Sample ID:	F97802-5	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X025979.D	1	10/12/12	FS	10/12/12	OP43967	SX1253
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
	3&4-Methylphenol	ND	4.8	1.3	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	1.1	ug/l	
91-57-6	2-Methylnaphthalene [a]	ND	4.8	0.66	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		14-62%
4165-62-2	Phenol-d5	26%		10-40%
118-79-6	2,4,6-Tribromophenol	90%		33-118%
4165-60-0	Nitrobenzene-d5	70%		42-108%
321-60-8	2-Fluorobiphenyl	73%		40-106%
1718-51-0	Terphenyl-d14	86%		39-121%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	MW-GAW12		
Lab Sample ID:	F97802-6	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063058.D	1	10/12/12	RB	n/a	n/a	VN2660
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.48	1.0	0.21	ug/l	J
75-00-3	Chloroethane	6.7	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	39.2	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	7.8 J	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	4.7 J	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	1.1	5.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.73	2.0	0.20	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	0.48	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	1.4	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	23.2 J	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	1.6	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		87-116%
17060-07-0	1,2-Dichloroethane-D4	107%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	MW-ERH2		
Lab Sample ID:	F97802-7	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063062.D	100	10/12/12	RB	n/a	n/a	VN2660
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	100	21	ug/l	
75-00-3	Chloroethane	382	200	50	ug/l	
67-66-3	Chloroform	ND	100	26	ug/l	
56-23-5	Carbon tetrachloride	ND	100	31	ug/l	
75-34-3	1,1-Dichloroethane	890	100	21	ug/l	
75-35-4	1,1-Dichloroethylene	2820	100	20	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	3150	100	24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	23	ug/l	
100-41-4	Ethylbenzene	ND	100	29	ug/l	
99-87-6	p-Isopropyltoluene	ND	100	20	ug/l	
91-20-3	Naphthalene	ND	500	100	ug/l	
103-65-1	n-Propylbenzene	ND	100	23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	200	20	ug/l	
127-18-4	Tetrachloroethylene	ND	100	32	ug/l	
108-88-3	Toluene	450	100	20	ug/l	
79-01-6	Trichloroethylene	ND	100	31	ug/l	
75-01-4	Vinyl chloride	5100	100	44	ug/l	
	m,p-Xylene	ND	200	30	ug/l	
95-47-6	o-Xylene	ND	100	20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	98%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	MW-ERH2		
Lab Sample ID:	F97802-7	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X026031.D	1	10/19/12	FS	10/12/12	OP43967	SX1258
Run #2	X025980.D	4	10/12/12	FS	10/12/12	OP43967	SX1253

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2	1030 ml	1.0 ml

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
	3&4-Methylphenol	12.8 [a]	19	5.4	ug/l	J
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.9	1.1	ug/l	
91-57-6	2-Methylnaphthalene	2.3	4.9	0.67	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%	24%	14-62%
4165-62-2	Phenol-d5	26%	16%	10-40%
118-79-6	2,4,6-Tribromophenol	85%	49%	33-118%
4165-60-0	Nitrobenzene-d5	73%	45%	42-108%
321-60-8	2-Fluorobiphenyl	72%	44%	40-106%
1718-51-0	Terphenyl-d14	78%	44%	39-121%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	MW-ERH2		
Lab Sample ID:	F97802-7	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	FF16362.D	1	10/12/12	CP	n/a	n/a	GFF680
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.50	0.16	ug/l	U
74-84-0	Ethane	ND	1.0	0.32	ug/l	U
74-85-1	Ethene	ND	1.0	0.43	ug/l	U

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

Report of Analysis

Client Sample ID:	NW-R-14		
Lab Sample ID:	F97802-8	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063063.D	50	10/12/12	RB	n/a	n/a	VN2660
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	18.4	50	11	ug/l	J
75-00-3	Chloroethane	1250	100	25	ug/l	
67-66-3	Chloroform	ND	50	13	ug/l	
56-23-5	Carbon tetrachloride	ND	50	16	ug/l	
75-34-3	1,1-Dichloroethane	1500	50	11	ug/l	
75-35-4	1,1-Dichloroethylene	3740	50	10	ug/l	
107-06-2	1,2-Dichloroethane	74.2	50	11	ug/l	
156-59-2	cis-1,2-Dichloroethylene	2760	50	12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	50	11	ug/l	
100-41-4	Ethylbenzene	ND	50	15	ug/l	
99-87-6	p-Isopropyltoluene	ND	50	10	ug/l	
91-20-3	Naphthalene	ND	250	50	ug/l	
103-65-1	n-Propylbenzene	ND	50	11	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	10	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	10	ug/l	
95-63-6	1,2,4-Trimethylbenzene	13.0	100	10	ug/l	J
127-18-4	Tetrachloroethylene	ND	50	16	ug/l	
108-88-3	Toluene	143	50	10	ug/l	
79-01-6	Trichloroethylene	ND	50	16	ug/l	
75-01-4	Vinyl chloride	524	50	22	ug/l	
	m,p-Xylene	67.0	100	15	ug/l	J
95-47-6	o-Xylene	55.9	50	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		87-116%
17060-07-0	1,2-Dichloroethane-D4	110%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Sample results have been qualified by URS based on the results of the data review process, which is modeled after *the USEPA CLP NFG for Superfund Organic Methods Data Review* (EPA, June 2008) and *USEPA CLP NFG Inorganic Superfund Data Review* (USEPA, January 2010).

LABORATORY REPORTS – OCTOBER 2012

Southeast ACCUTEST LABORATORIES

10/22/12

Technical Report for

URS Corporation

Hamilton Beach: 234 Springs Rd, Washington, NC

31828403.00001

Accutest Job Number: F97758

Sampling Date: 10/08/12

Report to:

URS Corporation

martha.meyers-lee@urs.com

ATTN: Martha Meyers

Total number of pages in report: **80**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), AK, AR, GA, KY, MA, NV, OK, UT, VA, WA, WI

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Accutest Laboratories is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited.

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **6**
Section 4: Sample Results **9**
4.1: F97758-1: W81 10
4.2: F97758-2: W82 11
4.3: F97758-3: MW-211 12
4.4: F97758-4: NW-AB-19 13
4.5: F97758-5: NW-P-0 15
4.6: F97758-6: MW-229 16
4.7: F97758-7: M-2 18
4.8: F97758-8: NW-K-6 19
4.9: F97758-9: MW-209 20
4.10: F97758-10: NW-F-2 21
4.11: F97758-11: MW-213 22
4.12: F97758-12: MW-219 23
4.13: F97758-13: TB-1 24
Section 5: Misc. Forms **25**
5.1: Chain of Custody 26
5.2: Analyst Legend 29
Section 6: GC/MS Volatiles - QC Data Summaries **30**
6.1: Method Blank Summary 31
6.2: Blank Spike Summary 34
6.3: Matrix Spike/Matrix Spike Duplicate Summary 37
6.4: Instrument Performance Checks (BFB) 40
6.5: Internal Standard Area Summaries 45
6.6: Surrogate Recovery Summaries 50
6.7: Initial and Continuing Calibration Summaries 51
Section 7: GC Volatiles - QC Data Summaries **70**
7.1: Method Blank Summary 71
7.2: Blank Spike Summary 72
7.3: Matrix Spike Summary 73
7.4: Duplicate Summary 74
7.5: Initial and Continuing Calibration Summaries 75

Accutest LabLink@13:17 22-Oct-2012

Sample Summary

URS Corporation

Job No: F97758

Hamilton Beach: 234 Springs Rd, Washington, NC
Project No: 31828403.00001

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F97758-1	10/08/12	11:15	MM	10/09/12	AQ	Surface Water	W81
F97758-2	10/08/12	11:30	MM	10/09/12	AQ	Surface Water	W82
F97758-3	10/08/12	12:00	MM	10/09/12	AQ	Ground Water	MW-211
F97758-4	10/08/12	13:15	MM	10/09/12	AQ	Ground Water	NW-AB-19
F97758-5	10/08/12	13:45	MM	10/09/12	AQ	Ground Water	NW-P-0
F97758-6	10/08/12	14:20	MM	10/09/12	AQ	Ground Water	MW-229
F97758-7	10/08/12	14:40	MM	10/09/12	AQ	Ground Water	M-2
F97758-8	10/08/12	15:00	MM	10/09/12	AQ	Ground Water	NW-K-6
F97758-9	10/08/12	15:10	MM	10/09/12	AQ	Ground Water	MW-209
F97758-10	10/08/12	15:30	MM	10/09/12	AQ	Ground Water	NW-F-2
F97758-11	10/08/12	15:50	MM	10/09/12	AQ	Ground Water	MW-213
F97758-12	10/08/12	16:15	MM	10/09/12	AQ	Ground Water	MW-219
F97758-13	10/08/12	16:30	MM	10/09/12	AQ	Trip Blank Water	TB-1

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: URS Corporation **Job:** F97758

Site: Hamilton Beach: 234 Springs Rd, Washington, NC **Report Date:** 10/22/2012 1:09:23 PM

12 Samples and 1 Trip Blank were collected on 10/08/2012 and were received at Accutest SE on 10/09/2012 properly preserved, at 3 Deg. C and intact. These Samples received an Accutest job number of F97758. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VN2659

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F97553-5MS, F97553-5MSD were used as the QC samples indicated.

Matrix Spike Duplicate Recovery(s) for 1,2,4-Trimethylbenzene are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

RPD(s) for MSD for 1,2,4-Trimethylbenzene, Carbon tetrachloride, p-Isopropyltoluene are outside control limits for sample F97553-5MSD. Probable cause is due to sample non-homogeneity.

F97758-1: Sample was not preserved to a pH < 2.

F97758-2: Sample was not preserved to a pH < 2.

F97758-3: Sample was not preserved to a pH < 2.

F97758-4: Sample was not preserved to a pH < 2.

F97758-7: Sample was not preserved to a pH < 2.

F97758-8: Sample was not preserved to a pH < 2.

F97758-8: Sample was not preserved to a pH < 2.

F97758-10: Sample was not preserved to a pH < 2.

F97758-11: Sample was not preserved to a pH < 2.

F97758-12: Sample was not preserved to a pH < 2.

F97758-13: Sample was not preserved to a pH < 2.

Matrix: AQ **Batch ID:** VN2660

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F97802-1MS, F97802-1MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for Chloroethane, 1,1-Dichloroethylene, cis-1,2-Dichloroethylene, Vinyl chloride are outside control limits. Outside control limits due to high level in sample relative to spike amount. For method performance in a clean matrix, refer to Blank Spike.

Matrix Spike Duplicate Recovery(s) for Chloroethane, cis-1,2-Dichloroethylene, Vinyl chloride are outside control limits. Outside control limits due to high level in sample relative to spike amount. For method performance in a clean matrix, refer to Blank Spike.

RPD(s) for MSD for p-Isopropyltoluene are outside control limits for sample F97802-1MSD. Probable cause is due to sample non-homogeneity.

F97758-5: Sample was not preserved to a pH < 2.

F97758-8: Sample was not preserved to a pH < 2.

F97758-6: Sample was not preserved to a pH < 2.

F97758-9: Sample was not preserved to a pH < 2.

F97758-11: Sample was not preserved to a pH < 2.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VN2663

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F97965-2MS, F97965-2MSD were used as the QC samples indicated.

F97758-3: Sample was not preserved to a pH < 2.

Volatiles by GC By Method RSKSOP-147/175

Matrix: AQ **Batch ID:** GXY2437

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F97729-11DUP, F97729-12MS were used as the QC samples indicated.

F97758-4: Sample was not preserved to a pH < 2.

F97758-6: Sample was not preserved to a pH < 2.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

_____ Date: October 22, 2012

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: F97758
Account: URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Collected: 10/08/12

3

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
F97758-1	**W81**					
1,1-Dichloroethane [a]		1.6	1.0	0.21	ug/l	SW846 8260B
cis-1,2-Dichloroethylene [a]		0.45 J	1.0	0.24	ug/l	SW846 8260B
1,1,1-Trichloroethane [a]		6.8	1.0	0.20	ug/l	SW846 8260B
F97758-2	**W82**					
1,2,4-Trimethylbenzene [a]		1.5 J	2.0	0.20	ug/l	SW846 8260B
F97758-3	**MW-211**					
1,1-Dichloroethane [a]		5.2	1.0	0.21	ug/l	SW846 8260B
1,1-Dichloroethylene [a]		2.0	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene [a]		170	5.0	1.2	ug/l	SW846 8260B
trans-1,2-Dichloroethylene [a]		10.1	1.0	0.23	ug/l	SW846 8260B
Trichloroethylene [a]		10.1	1.0	0.31	ug/l	SW846 8260B
Vinyl chloride [a]		5.8	1.0	0.44	ug/l	SW846 8260B
F97758-4	**NW-AB-19**					
Chloroethane [a]		275	10	2.5	ug/l	SW846 8260B
1,1-Dichloroethane [a]		54.1	5.0	1.1	ug/l	SW846 8260B
1,1-Dichloroethylene [a]		7.1	5.0	1.0	ug/l	SW846 8260B
1,2-Dichloroethane [a]		18.8	5.0	1.1	ug/l	SW846 8260B
cis-1,2-Dichloroethylene [a]		44.2	5.0	1.2	ug/l	SW846 8260B
Toluene [a]		5.8	5.0	1.0	ug/l	SW846 8260B
Vinyl chloride [a]		181	5.0	2.2	ug/l	SW846 8260B
Methane		14400	10	3.2	ug/l	RSKSOP-147/175
Ethane [a]		11.4	1.0	0.32	ug/l	RSKSOP-147/175
Ethene [a]		27.2	1.0	0.43	ug/l	RSKSOP-147/175
F97758-5	**NW-P-0**					
Chloroethane [a]		18.9	2.0	0.50	ug/l	SW846 8260B
1,1-Dichloroethane [a]		12.6	1.0	0.21	ug/l	SW846 8260B
1,1-Dichloroethylene [a]		2.6	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene [a]		62.5	1.0	0.24	ug/l	SW846 8260B
trans-1,2-Dichloroethylene [a]		3.7	1.0	0.23	ug/l	SW846 8260B
1,2,4-Trimethylbenzene [a]		0.20 J	2.0	0.20	ug/l	SW846 8260B
Toluene [a]		0.33 J	1.0	0.20	ug/l	SW846 8260B
Vinyl chloride [a]		5.6	1.0	0.44	ug/l	SW846 8260B

Summary of Hits

Job Number: F97758
Account: URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Collected: 10/08/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
F97758-6	**MW-229**					
Chloroethane [a]		4.9	2.0	0.50	ug/l	SW846 8260B
1,1-Dichloroethane [a]		32.1	1.0	0.21	ug/l	SW846 8260B
1,1-Dichloroethylene [a]		44.9	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene [a]		66.5	1.0	0.24	ug/l	SW846 8260B
trans-1,2-Dichloroethylene [a]		1.6	1.0	0.23	ug/l	SW846 8260B
Vinyl chloride [a]		46.6	1.0	0.44	ug/l	SW846 8260B
Methane		3250	5.0	1.6	ug/l	RSKSOP-147/175
Ethane [a]		18.5	1.0	0.32	ug/l	RSKSOP-147/175
Ethene [a]		51.4	1.0	0.43	ug/l	RSKSOP-147/175
F97758-7	**M-2**					
Chloroethane [a]		58.6	2.0	0.50	ug/l	SW846 8260B
1,2-Dichloroethane [a]		2.4	1.0	0.22	ug/l	SW846 8260B
Toluene [a]		0.79 J	1.0	0.20	ug/l	SW846 8260B
F97758-8	**NW-K-6**					
Chloroethane [a]		839	100	25	ug/l	SW846 8260B
1,1-Dichloroethane [a]		3730	50	11	ug/l	SW846 8260B
1,1-Dichloroethylene [a]		3130	50	10	ug/l	SW846 8260B
1,2-Dichloroethane [a]		70.6	50	11	ug/l	SW846 8260B
cis-1,2-Dichloroethylene [a]		6380	100	24	ug/l	SW846 8260B
1,1,1-Trichloroethane [a]		3420	50	10	ug/l	SW846 8260B
Toluene [a]		51.2	50	10	ug/l	SW846 8260B
Trichloroethylene [a]		654	50	16	ug/l	SW846 8260B
Vinyl chloride [a]		369	50	22	ug/l	SW846 8260B
F97758-9	**MW-209**					
Chloroethane [a]		898	500	130	ug/l	SW846 8260B
1,1-Dichloroethane [a]		82.7	2.0	0.43	ug/l	SW846 8260B
1,1-Dichloroethylene [a]		11.6	2.0	0.40	ug/l	SW846 8260B
1,2-Dichloroethane [a]		22.0	2.0	0.44	ug/l	SW846 8260B
cis-1,2-Dichloroethylene [a]		27.8	2.0	0.47	ug/l	SW846 8260B
trans-1,2-Dichloroethylene [a]		1.9 J	2.0	0.46	ug/l	SW846 8260B
Toluene [a]		3.7	2.0	0.40	ug/l	SW846 8260B
Vinyl chloride [a]		20.2	2.0	0.88	ug/l	SW846 8260B
F97758-10	**NW-F-2**					
1,1-Dichloroethane [a]		2.6	1.0	0.21	ug/l	SW846 8260B
1,1-Dichloroethylene [a]		3.5	1.0	0.20	ug/l	SW846 8260B

Summary of Hits

Job Number: F97758
Account: URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Collected: 10/08/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
F97758-11	**MW-213**					
Benzene [a]		0.54 J	1.0	0.21	ug/l	SW846 8260B
1,1-Dichloroethane [a]		74.9	1.0	0.21	ug/l	SW846 8260B
1,1-Dichloroethylene [a]		93.8	5.0	1.0	ug/l	SW846 8260B
1,2-Dichloroethane [a]		2.2	1.0	0.22	ug/l	SW846 8260B
cis-1,2-Dichloroethylene [a]		55.8	1.0	0.24	ug/l	SW846 8260B
trans-1,2-Dichloroethylene [a]		1.8	1.0	0.23	ug/l	SW846 8260B
Naphthalene [a]		2.2 J	5.0	1.0	ug/l	SW846 8260B
Toluene [a]		0.27 J	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene [a]		24.5	1.0	0.31	ug/l	SW846 8260B
Vinyl chloride [a]		74.6	1.0	0.44	ug/l	SW846 8260B
m,p-Xylene [a]		0.58 J	2.0	0.30	ug/l	SW846 8260B
o-Xylene [a]		0.76 J	1.0	0.20	ug/l	SW846 8260B
F97758-12	**MW-219**					
1,1-Dichloroethane [a]		0.53 J	1.0	0.21	ug/l	SW846 8260B
F97758-13	**TB-1**					

No hits reported in this sample.

(a) Sample was not preserved to a pH < 2.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	W81		
Lab Sample ID:	F97758-1	**Date Sampled:**	10/08/12
Matrix:	AQ - Surface Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063030.D	1	10/11/12	RB	n/a	n/a	VN2659
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.21	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	1.6	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.45	1.0	0.24	ug/l	J
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	6.8	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		87-116%
17060-07-0	1,2-Dichloroethane-D4	109%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	98%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	W82		
Lab Sample ID:	F97758-2	**Date Sampled:**	10/08/12
Matrix:	AQ - Surface Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063031.D	1	10/11/12	RB	n/a	n/a	VN2659
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.21	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.5	2.0	0.20	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-211		
Lab Sample ID:	F97758-3	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063032.D	1	10/11/12	RB	n/a	n/a	VN2659
Run #2 [a]	N0063096.D	5	10/15/12	RB	n/a	n/a	VN2663

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.21	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	5.2	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	2.0	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	170 [b]	5.0	1.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	10.1	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	10.1	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	5.8	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%	114%	87-116%
17060-07-0	1,2-Dichloroethane-D4	110%	113%	76-127%
2037-26-5	Toluene-D8	98%	99%	86-112%
460-00-4	4-Bromofluorobenzene	97%	100%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NW-AB-19		
Lab Sample ID:	F97758-4	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063036.D	5	10/11/12	RB	n/a	n/a	VN2659
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	1.1	ug/l	
75-00-3	Chloroethane	275	10	2.5	ug/l	
67-66-3	Chloroform	ND	5.0	1.3	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.6	ug/l	
75-34-3	1,1-Dichloroethane	54.1	5.0	1.1	ug/l	
75-35-4	1,1-Dichloroethylene	7.1	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	18.8	5.0	1.1	ug/l	
156-59-2	cis-1,2-Dichloroethylene	44.2	5.0	1.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	ND	5.0	1.5	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	ND	25	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	1.1	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	10	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.6	ug/l	
108-88-3	Toluene	5.8	5.0	1.0	ug/l	
79-01-6	Trichloroethylene	ND	5.0	1.6	ug/l	
75-01-4	Vinyl chloride	181	5.0	2.2	ug/l	
	m,p-Xylene	ND	10	1.5	ug/l	
95-47-6	o-Xylene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		87-116%
17060-07-0	1,2-Dichloroethane-D4	112%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NW-AB-19		
Lab Sample ID:	F97758-4	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	XY056937.D	1	10/12/12	SH	n/a	n/a	GXY2437
Run #2	XY056949.D	20	10/12/12	SH	n/a	n/a	GXY2437

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	14400 [b]	10	3.2	ug/l	
74-84-0	Ethane	11.4	1.0	0.32	ug/l	
74-85-1	Ethene	27.2	1.0	0.43	ug/l	

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NW-P-0		
Lab Sample ID:	F97758-5	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063067.D	1	10/12/12	RB	n/a	n/a	VN2660
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.21	ug/l	
75-00-3	Chloroethane	18.9	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	12.6	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	2.6	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	62.5	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	3.7	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.20	2.0	0.20	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	0.33	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	5.6	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-229		
Lab Sample ID:	F97758-6	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063068.D	1	10/12/12	RB	n/a	n/a	VN2660
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.21	ug/l	
75-00-3	Chloroethane	4.9	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	32.1	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	44.9	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	66.5	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.6	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	46.6	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		87-116%
17060-07-0	1,2-Dichloroethane-D4	110%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	99%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-229		
Lab Sample ID:	F97758-6	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	XY056938.D	1	10/12/12	SH	n/a	n/a	GXY2437
Run #2	XY056950.D	10	10/12/12	SH	n/a	n/a	GXY2437

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	3250 [b]	5.0	1.6	ug/l	
74-84-0	Ethane	18.5	1.0	0.32	ug/l	
74-85-1	Ethene	51.4	1.0	0.43	ug/l	

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	M-2		
Lab Sample ID:	F97758-7	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063033.D	1	10/11/12	RB	n/a	n/a	VN2659
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.21	ug/l	
75-00-3	Chloroethane	58.6	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	2.4	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	0.79	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		87-116%
17060-07-0	1,2-Dichloroethane-D4	109%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NW-K-6		
Lab Sample ID:	F97758-8	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063039.D	50	10/11/12	RB	n/a	n/a	VN2659
Run #2 [a]	N0063070.D	100	10/12/12	RB	n/a	n/a	VN2660

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	50	11	ug/l	
75-00-3	Chloroethane	839	100	25	ug/l	
67-66-3	Chloroform	ND	50	13	ug/l	
56-23-5	Carbon tetrachloride	ND	50	16	ug/l	
75-34-3	1,1-Dichloroethane	3730	50	11	ug/l	
75-35-4	1,1-Dichloroethylene	3130	50	10	ug/l	
107-06-2	1,2-Dichloroethane	70.6	50	11	ug/l	
156-59-2	cis-1,2-Dichloroethylene	6380 [b]	100	24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	50	11	ug/l	
100-41-4	Ethylbenzene	ND	50	15	ug/l	
99-87-6	p-Isopropyltoluene	ND	50	10	ug/l	
91-20-3	Naphthalene	ND	250	50	ug/l	
103-65-1	n-Propylbenzene	ND	50	11	ug/l	
71-55-6	1,1,1-Trichloroethane	3420	50	10	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	10	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	100	10	ug/l	
127-18-4	Tetrachloroethylene	ND	50	16	ug/l	
108-88-3	Toluene	51.2	50	10	ug/l	
79-01-6	Trichloroethylene	654	50	16	ug/l	
75-01-4	Vinyl chloride	369	50	22	ug/l	
	m,p-Xylene	ND	100	15	ug/l	
95-47-6	o-Xylene	ND	50	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%	111%	87-116%
17060-07-0	1,2-Dichloroethane-D4	110%	112%	76-127%
2037-26-5	Toluene-D8	99%	98%	86-112%
460-00-4	4-Bromofluorobenzene	99%	99%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-209		
Lab Sample ID:	F97758-9	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063071.D	2	10/12/12	RB	n/a	n/a	VN2660
Run #2 [a]	N0063040.D	250	10/11/12	RB	n/a	n/a	VN2659

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.0	0.42	ug/l	
75-00-3	Chloroethane	898 [b]	500	130	ug/l	
67-66-3	Chloroform	ND	2.0	0.53	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.63	ug/l	
75-34-3	1,1-Dichloroethane	82.7	2.0	0.43	ug/l	
75-35-4	1,1-Dichloroethylene	11.6	2.0	0.40	ug/l	
107-06-2	1,2-Dichloroethane	22.0	2.0	0.44	ug/l	
156-59-2	cis-1,2-Dichloroethylene	27.8	2.0	0.47	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.9	2.0	0.46	ug/l	J
100-41-4	Ethylbenzene	ND	2.0	0.58	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.40	ug/l	
91-20-3	Naphthalene	ND	10	2.0	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.45	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.40	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	4.0	0.40	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.64	ug/l	
108-88-3	Toluene	3.7	2.0	0.40	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.63	ug/l	
75-01-4	Vinyl chloride	20.2	2.0	0.88	ug/l	
	m,p-Xylene	ND	4.0	0.59	ug/l	
95-47-6	o-Xylene	ND	2.0	0.40	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%	111%	87-116%
17060-07-0	1,2-Dichloroethane-D4	115%	112%	76-127%
2037-26-5	Toluene-D8	98%	98%	86-112%
460-00-4	4-Bromofluorobenzene	98%	97%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NW-F-2		
Lab Sample ID:	F97758-10	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063034.D	1	10/11/12	RB	n/a	n/a	VN2659
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.21	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	2.6	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	3.5	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		87-116%
17060-07-0	1,2-Dichloroethane-D4	110%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-213		
Lab Sample ID:	F97758-11	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063069.D	1	10/12/12	RB	n/a	n/a	VN2660
Run #2 [a]	N0063041.D	5	10/11/12	RB	n/a	n/a	VN2659

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.54	1.0	0.21	ug/l	J
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	74.9	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	93.8 [b]	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	2.2	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	55.8	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.8	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	2.2	5.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	0.27	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	24.5	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	74.6	1.0	0.44	ug/l	
	m,p-Xylene	0.58	2.0	0.30	ug/l	J
95-47-6	o-Xylene	0.76	1.0	0.20	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%	114%	87-116%
17060-07-0	1,2-Dichloroethane-D4	112%	114%	76-127%
2037-26-5	Toluene-D8	98%	99%	86-112%
460-00-4	4-Bromofluorobenzene	97%	96%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-219		
Lab Sample ID:	F97758-12	**Date Sampled:**	10/08/12
Matrix:	AQ - Ground Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063035.D	1	10/11/12	RB	n/a	n/a	VN2659
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.21	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	0.53	1.0	0.21	ug/l	J
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		87-116%
17060-07-0	1,2-Dichloroethane-D4	112%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-1		
Lab Sample ID:	F97758-13	**Date Sampled:**	10/08/12
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/09/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063029.D	1	10/11/12	RB	n/a	n/a	VN2659
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.21	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Analyst Legend

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST.

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # F97758 PAGE 1 OF 2

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: URS Corporation
Address: 1600 Perimeter Park Dr. Suite 400
City: Morrisville State: NC Zip: 27560
Project Contact: Martha Meyers-Lee@URS.com E-mail:
Phone#: (919) 461-1519
Sampler(s) Name(s) (Printed): Michael Meyers

Project Information

Project Name: HB Washington
Street: Springs Rd.
City: Washington State: NC
Project #: 31828403 00001
Fax #: (919) 461-1415
Client Purchase Order #:

Analytical Information

8260 VOCs
Dissolved Gases

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

LAB USE ONLY

Accutest Sample #	Field ID / Point of Collection	Collection DATE	TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MeOH	8260 VOCs	Dissolved Gases
1	W81	10-8-12	1115	MM	SW	3		X								X	
2	W82		1130	MM	SW	3		X								X	
3	MW-211		1200	MM	GW	3		X								X	
4	NW-AB-19		1315	MM	GW	6		X								X	X
5	NW-P-0		1345	MM	GW	3		X								X	
6	MW-229		1420	MM	GW	6		X								X	X
7	M-2		1440	MM	GW	3		X								X	
8	NW-K-6		1500	MM	GW	3		X								X	
9	MW-209		1570	MM	GW	3		X								X	
10	NW-F-2		1530	MM	GW	3		X								X	
11	MW-213		1550	MM	GW	3		X								X	
12	MW-219	10-8-12	1615	MM	GW	3		X								X	

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [X] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

RALEIGH, NC

SVC CENTER

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	10-8-12/1800	2 FX	3 FX	10-9-12	4 Copper (ALSE) 09:30
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 1 Cooler Temperature (s) Celsius: 3.0

F97758: Chain of Custody
Page 1 of 3

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # F97758 PAGE 2 OF 2

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: URS Corporation
Address: 1600 Perimeter Park Dr. Suite 400
City: Morrisville State: NC Zip: 27560
Project Contact: Martha Meyers-Lee E-mail: Martha_Meyers-Lee@URS.Com
Phone#: (919) 461-1519
Sampler(s) Name(s) (Printed): Michael Meers

Project Information

Project Name: HB Washington
Street: Springs Rd
City: Washington State: NC
Project #: 38284003.00001
Fax #: (919) 461-1415
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MeOH	8260 VOC's										Matrix Codes / LAB USE ONLY
13	TB-1	10-8-12	1630	MM		2										X										

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

RALEIGH, NC

SVC CENTER

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 [signature]	10-8-12/1800	2 FX	3 FX	10-9-12	4 J. Cooper (ALSE) 09:30
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: _____

5.1 5

F97758: Chain of Custody
Page 2 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F97758 CLIENT: URS PROJECT: HB WASHINGTON

DATE/TIME RECEIVED: 10-9-12 09:30 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8005 2380 6636

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 2.6
- [ ] CORRECTED TEMPS: 3.0

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS: 40ML VIALS (8260) ARE UNPRESERVED, ALL SAMPLES (1-13)

TECHNICIAN SIGNATURE/DATE [signature] 10-9-12 REVIEWER SIGNATURE/DATE [signature] 10/09/12

NF 12/10

receipt confirmation 122910.xls

5.1 5

F97758: Chain of Custody

Page 3 of 3

Analyst Legend

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Initials	Full Name	Analysis Type
RB	Ray Brookson	GC/MS Volatiles
SH	Steven Heller	GC Volatiles

Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN2659-MB	N0063021.D	1	10/11/12	RB	n/a	n/a	VN2659

The QC reported here applies to the following samples: **Method:** SW846 8260B

F97758-1, F97758-2, F97758-3, F97758-4, F97758-7, F97758-8, F97758-9, F97758-10, F97758-11, F97758-12, F97758-13

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.21	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	102%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	96%	84-120%

Method Blank Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN2660-MB	N0063051.D	1	10/12/12	RB	n/a	n/a	VN2660

The QC reported here applies to the following samples: **Method:** SW846 8260B

F97758-5, F97758-6, F97758-8, F97758-9, F97758-11

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.21	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Method Blank Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN2663-MB	N0063082.D	1	10/15/12	RB	n/a	n/a	VN2663

The QC reported here applies to the following samples: **Method:** SW846 8260B

F97758-3

CAS No.	Compound	Result	RL	MDL	Units	Q
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	98%	84-120%

Blank Spike Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN2659-BS	N0063020.D	1	10/11/12	RB	n/a	n/a	VN2659

The QC reported here applies to the following samples: **Method:** SW846 8260B

F97758-1, F97758-2, F97758-3, F97758-4, F97758-7, F97758-8, F97758-9, F97758-10, F97758-11, F97758-12, F97758-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	24.6	98	83-124
75-00-3	Chloroethane	25	27.4	110	54-166
67-66-3	Chloroform	25	24.2	97	85-123
56-23-5	Carbon tetrachloride	25	27.0	108	74-139
75-34-3	1,1-Dichloroethane	25	24.3	97	82-127
75-35-4	1,1-Dichloroethylene	25	28.4	114	75-133
107-06-2	1,2-Dichloroethane	25	23.3	93	76-122
156-59-2	cis-1,2-Dichloroethylene	25	24.9	100	81-114
156-60-5	trans-1,2-Dichloroethylene	25	24.9	100	82-126
100-41-4	Ethylbenzene	25	24.5	98	87-118
99-87-6	p-Isopropyltoluene	25	24.3	97	83-125
91-20-3	Naphthalene	25	21.1	84	59-125
103-65-1	n-Propylbenzene	25	25.1	100	86-125
71-55-6	1,1,1-Trichloroethane	25	26.7	107	79-133
79-00-5	1,1,2-Trichloroethane	25	23.0	92	80-114
95-63-6	1,2,4-Trimethylbenzene	25	22.6	90	82-120
127-18-4	Tetrachloroethylene	25	25.5	102	80-131
108-88-3	Toluene	25	24.1	96	86-116
79-01-6	Trichloroethylene	25	25.6	102	85-124
75-01-4	Vinyl chloride	25	28.5	114	57-153
	m,p-Xylene	50	51.0	102	86-121
95-47-6	o-Xylene	25	25.3	101	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	95%	84-120%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN2660-BS	N0063050.D	1	10/12/12	RB	n/a	n/a	VN2660

The QC reported here applies to the following samples: **Method:** SW846 8260B

F97758-5, F97758-6, F97758-8, F97758-9, F97758-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	25.7	103	83-124
75-00-3	Chloroethane	25	24.5	98	54-166
67-66-3	Chloroform	25	26.0	104	85-123
56-23-5	Carbon tetrachloride	25	28.6	114	74-139
75-34-3	1,1-Dichloroethane	25	25.4	102	82-127
75-35-4	1,1-Dichloroethylene	25	28.5	114	75-133
107-06-2	1,2-Dichloroethane	25	24.6	98	76-122
156-59-2	cis-1,2-Dichloroethylene	25	25.9	104	81-114
156-60-5	trans-1,2-Dichloroethylene	25	26.1	104	82-126
100-41-4	Ethylbenzene	25	25.8	103	87-118
99-87-6	p-Isopropyltoluene	25	26.5	106	83-125
91-20-3	Naphthalene	25	22.3	89	59-125
103-65-1	n-Propylbenzene	25	27.0	108	86-125
71-55-6	1,1,1-Trichloroethane	25	28.0	112	79-133
79-00-5	1,1,2-Trichloroethane	25	23.6	94	80-114
95-63-6	1,2,4-Trimethylbenzene	25	24.5	98	82-120
127-18-4	Tetrachloroethylene	25	26.8	107	80-131
108-88-3	Toluene	25	24.9	100	86-116
79-01-6	Trichloroethylene	25	27.0	108	85-124
75-01-4	Vinyl chloride	25	26.3	105	57-153
	m,p-Xylene	50	52.9	106	86-121
95-47-6	o-Xylene	25	26.2	105	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN2663-BS	N0063079.D	1	10/15/12	RB	n/a	n/a	VN2663

The QC reported here applies to the following samples: **Method:** SW846 8260B

F97758-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
156-59-2	cis-1,2-Dichloroethylene	25	26.0	104	81-114

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	98%	84-120%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F97553-5MS	N0063042.D	1	10/11/12	RB	n/a	n/a	VN2659
F97553-5MSD	N0063043.D	1	10/11/12	RB	n/a	n/a	VN2659
F97553-5 [a]	N0063023.D	1	10/11/12	RB	n/a	n/a	VN2659

The QC reported here applies to the following samples: **Method:** SW846 8260B

F97758-1, F97758-2, F97758-3, F97758-4, F97758-7, F97758-8, F97758-9, F97758-10, F97758-11, F97758-12, F97758-13

CAS No.	Compound	F97553-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	26.6	106	24.4	98	9	83-124/11
75-00-3	Chloroethane	ND		25	25.0	100	23.3	93	7	54-166/20
67-66-3	Chloroform	ND		25	27.3	109	25.4	102	7	85-123/10
56-23-5	Carbon tetrachloride	ND		25	31.1	124	25.9	104	18*	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	26.0	104	24.4	98	6	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	30.0	120	27.5	110	9	75-133/13
107-06-2	1,2-Dichloroethane	ND		25	27.5	110	25.2	101	9	76-122/11
156-59-2	cis-1,2-Dichloroethylene	ND		25	26.9	108	24.9	100	8	81-114/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	26.7	107	24.2	97	10	82-126/10
100-41-4	Ethylbenzene	ND		25	26.2	105	24.4	98	7	87-118/10
99-87-6	p-Isopropyltoluene	0.44		25	26.5	104	23.5	92	12*	83-125/9
91-20-3	Naphthalene	ND		25	20.8	83	20.6	82	1	59-125/15
103-65-1	n-Propylbenzene	ND		25	26.6	106	24.3	97	9	86-125/10
71-55-6	1,1,1-Trichloroethane	ND		25	29.7	119	27.7	111	7	79-133/11
79-00-5	1,1,2-Trichloroethane	ND		25	24.6	98	22.7	91	8	80-114/11
95-63-6	1,2,4-Trimethylbenzene	ND		25	21.1	84	16.5	66*	24*	82-120/10
127-18-4	Tetrachloroethylene	ND		25	28.1	112	25.0	100	12	80-131/12
108-88-3	Toluene	ND		25	25.5	102	23.4	94	9	86-116/10
79-01-6	Trichloroethylene	ND		25	28.3	113	26.1	104	8	85-124/10
75-01-4	Vinyl chloride	ND		25	24.5	98	24.5	98	0	57-153/22
	m,p-Xylene	ND		50	53.2	106	49.1	98	8	86-121/10
95-47-6	o-Xylene	ND		25	26.6	106	24.6	98	8	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F97553-5	Limits
1868-53-7	Dibromofluoromethane	112%	108%	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	115%	105%	104%	76-127%
2037-26-5	Toluene-D8	96%	93%	99%	86-112%
460-00-4	4-Bromofluorobenzene	94%	94%	98%	84-120%

(a) Confirmation run.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F97802-1MS	N0063072.D	5	10/12/12	RB	n/a	n/a	VN2660
F97802-1MSD	N0063073.D	5	10/12/12	RB	n/a	n/a	VN2660
F97802-1 [a]	N0063059.D	5	10/12/12	RB	n/a	n/a	VN2660
F97802-1 [a]	N0063064.D	10	10/12/12	RB	n/a	n/a	VN2660

The QC reported here applies to the following samples: **Method:** SW846 8260B

F97758-5, F97758-6, F97758-8, F97758-9, F97758-11

CAS No.	Compound	F97802-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20.6		125	146	100	140	96	4	83-124/11
75-00-3	Chloroethane	417		125	1050	506* [b]	898	385* [b]	16	54-166/20
67-66-3	Chloroform	ND		125	133	106	125	100	6	85-123/10
56-23-5	Carbon tetrachloride	ND		125	148	118	130	104	13	74-139/13
75-34-3	1,1-Dichloroethane	358		125	497	111	473	92	5	82-127/10
75-35-4	1,1-Dichloroethylene	355		125	524	135* [b]	499	115	5	75-133/13
107-06-2	1,2-Dichloroethane	21.6		125	153	105	145	99	5	76-122/11
156-59-2	cis-1,2-Dichloroethylene	448 [c]		125	682	187* [b]	642	155* [b]	6	81-114/10
156-60-5	trans-1,2-Dichloroethylene	44.3		125	178	107	167	98	6	82-126/10
100-41-4	Ethylbenzene	17.0		125	146	103	138	97	6	87-118/10
99-87-6	p-Isopropyltoluene	ND		125	132	106	120	96	10*	83-125/9
91-20-3	Naphthalene	54.2		125	172	94	167	90	3	59-125/15
103-65-1	n-Propylbenzene	5.4		125	137	105	127	97	8	86-125/10
71-55-6	1,1,1-Trichloroethane	ND		125	143	114	133	106	7	79-133/11
79-00-5	1,1,2-Trichloroethane	ND		125	117	94	112	90	4	80-114/11
95-63-6	1,2,4-Trimethylbenzene	55.7		125	185	103	168	90	10	82-120/10
127-18-4	Tetrachloroethylene	ND		125	133	106	121	97	9	80-131/12
108-88-3	Toluene	14.8		125	138	99	129	91	7	86-116/10
79-01-6	Trichloroethylene	ND		125	141	113	131	105	7	85-124/10
75-01-4	Vinyl chloride	554 [c]		125	845	233* [b]	866	250* [b]	2	57-153/22
	m,p-Xylene	21.2		250	287	106	268	99	7	86-121/10
95-47-6	o-Xylene	24.8		125	161	109	148	99	8	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F97802-1	F97802-1	Limits
1868-53-7	Dibromofluoromethane	111%	108%	107%	109%	87-116%
17060-07-0	1,2-Dichloroethane-D4	114%	107%	104%	108%	76-127%
2037-26-5	Toluene-D8	96%	95%	96%	98%	86-112%
460-00-4	4-Bromofluorobenzene	96%	97%	96%	96%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Result is from Run #2.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F97965-2MS	N0063098.D	1	10/15/12	RB	n/a	n/a	VN2663
F97965-2MSD	N0063099.D	1	10/15/12	RB	n/a	n/a	VN2663
F97965-2	N0063093.D	1	10/15/12	RB	n/a	n/a	VN2663

The QC reported here applies to the following samples: **Method:** SW846 8260B

F97758-3

CAS No.	Compound	F97965-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
156-59-2	cis-1,2-Dichloroethylene	1.0	U	25	26.5	106	25.8	103	3	81-114/10

CAS No.	Surrogate Recoveries	MS	MSD	F97965-2	Limits
1868-53-7	Dibromofluoromethane	112%	109%	113%	87-116%
17060-07-0	1,2-Dichloroethane-D4	113%	108%	114%	76-127%
2037-26-5	Toluene-D8	97%	93%	98%	86-112%
460-00-4	4-Bromofluorobenzene	95%	96%	99%	84-120%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VN2625-BFB
Lab File ID: N0062454.D
Instrument ID: GCMSN
Injection Date: 09/18/12
Injection Time: 19:56

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	11285	18.5		Pass
75	30.0 - 60.0% of mass 95	29669	48.7		Pass
95	Base peak, 100% relative abundance	60971	100.0		Pass
96	5.0 - 9.0% of mass 95	4102	6.73		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 100.0% of mass 95	58280	95.6		Pass
175	5.0 - 9.0% of mass 174	4391	7.20	(7.53) [a]	Pass
176	95.0 - 101.0% of mass 174	56728	93.0	(97.3) [a]	Pass
177	5.0 - 9.0% of mass 176	3874	6.35	(6.83) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN2625-IC2625	N0062455.D	09/18/12	20:17	00:21	Initial cal 1
VN2625-IC2625	N0062456.D	09/18/12	20:42	00:46	Initial cal 2
VN2625-IC2625	N0062457.D	09/18/12	21:08	01:12	Initial cal 3
VN2625-ICC2625	N0062458.D	09/18/12	21:32	01:36	Initial cal 4
VN2625-IC2625	N0062459.D	09/18/12	21:58	02:02	Initial cal 5
VN2625-IC2625	N0062460.D	09/18/12	22:23	02:27	Initial cal 6
VN2625-ICV2625	N0062461.D	09/18/12	22:48	02:52	Initial cal verification 4

Instrument Performance Check (BFB)

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VN2659-BFB
Lab File ID: N0063018.D
Instrument ID: GCMSN
Injection Date: 10/11/12
Injection Time: 09:49

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	5687	17.7		Pass
75	30.0 - 60.0% of mass 95	15426	47.9		Pass
95	Base peak, 100% relative abundance	32219	100.0		Pass
96	5.0 - 9.0% of mass 95	2197	6.82		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 100.0% of mass 95	29533	91.7		Pass
175	5.0 - 9.0% of mass 174	2334	7.24	(7.90) [a]	Pass
176	95.0 - 101.0% of mass 174	29077	90.2	(98.5) [a]	Pass
177	5.0 - 9.0% of mass 176	1930	5.99	(6.64) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN2659-CC2625	N0063019.D	10/11/12	10:36	00:47	Continuing cal 4
VN2659-BS	N0063020.D	10/11/12	11:21	01:32	Blank Spike
VN2659-MB	N0063021.D	10/11/12	11:45	01:56	Method Blank
ZZZZZZ	N0063022.D	10/11/12	12:55	03:06	(unrelated sample)
F97553-5	N0063023.D	10/11/12	13:21	03:32	(used for QC only; not part of job F97758)
ZZZZZZ	N0063024.D	10/11/12	13:47	03:58	(unrelated sample)
ZZZZZZ	N0063025.D	10/11/12	14:14	04:25	(unrelated sample)
ZZZZZZ	N0063026.D	10/11/12	14:39	04:50	(unrelated sample)
ZZZZZZ	N0063027.D	10/11/12	15:04	05:15	(unrelated sample)
ZZZZZZ	N0063028.D	10/11/12	15:28	05:39	(unrelated sample)
F97758-13	N0063029.D	10/11/12	15:54	06:05	TB-1
F97758-1	N0063030.D	10/11/12	16:19	06:30	W81
F97758-2	N0063031.D	10/11/12	16:43	06:54	W82
F97758-3	N0063032.D	10/11/12	17:08	07:19	MW-211
F97758-7	N0063033.D	10/11/12	17:34	07:45	M-2
F97758-10	N0063034.D	10/11/12	17:59	08:10	NW-F-2
F97758-12	N0063035.D	10/11/12	18:24	08:35	MW-219
F97758-4	N0063036.D	10/11/12	18:50	09:01	NW-AB-19
F97758-8	N0063039.D	10/11/12	20:03	10:14	NW-K-6
F97758-9	N0063040.D	10/11/12	20:28	10:39	MW-209
F97758-11	N0063041.D	10/11/12	20:54	11:05	MW-213
F97553-5MS	N0063042.D	10/11/12	21:21	11:32	Matrix Spike
F97553-5MSD	N0063043.D	10/11/12	21:47	11:58	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VN2660-BFB
Lab File ID: N0063048.D
Instrument ID: GCMSN
Injection Date: 10/12/12
Injection Time: 08:00

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	7262	16.9		Pass
75	30.0 - 60.0% of mass 95	20363	47.4		Pass
95	Base peak, 100% relative abundance	42992	100.0		Pass
96	5.0 - 9.0% of mass 95	2955	6.87		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 100.0% of mass 95	40176	93.4		Pass
175	5.0 - 9.0% of mass 174	3063	7.12	(7.62) [a]	Pass
176	95.0 - 101.0% of mass 174	38981	90.7	(97.0) [a]	Pass
177	5.0 - 9.0% of mass 176	2617	6.09	(6.71) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN2660-CC2625	N0063049.D	10/12/12	08:33	00:33	Continuing cal 4
VN2660-BS	N0063050.D	10/12/12	09:15	01:15	Blank Spike
VN2660-MB	N0063051.D	10/12/12	10:05	02:05	Method Blank
ZZZZZZ	N0063052.D	10/12/12	11:30	03:30	(unrelated sample)
ZZZZZZ	N0063053.D	10/12/12	11:54	03:54	(unrelated sample)
ZZZZZZ	N0063054.D	10/12/12	12:20	04:20	(unrelated sample)
ZZZZZZ	N0063055.D	10/12/12	12:44	04:44	(unrelated sample)
ZZZZZZ	N0063056.D	10/12/12	13:08	05:08	(unrelated sample)
ZZZZZZ	N0063057.D	10/12/12	13:32	05:32	(unrelated sample)
ZZZZZZ	N0063058.D	10/12/12	13:56	05:56	(unrelated sample)
F97802-1	N0063059.D	10/12/12	14:20	06:20	(used for QC only; not part of job F97758)
ZZZZZZ	N0063060.D	10/12/12	14:46	06:46	(unrelated sample)
ZZZZZZ	N0063061.D	10/12/12	15:10	07:10	(unrelated sample)
ZZZZZZ	N0063062.D	10/12/12	15:35	07:35	(unrelated sample)
ZZZZZZ	N0063063.D	10/12/12	16:00	08:00	(unrelated sample)
F97802-1	N0063064.D	10/12/12	16:27	08:27	(used for QC only; not part of job F97758)
ZZZZZZ	N0063065.D	10/12/12	16:52	08:52	(unrelated sample)
ZZZZZZ	N0063066.D	10/12/12	17:17	09:17	(unrelated sample)
F97758-5	N0063067.D	10/12/12	17:43	09:43	NW-P-0
F97758-6	N0063068.D	10/12/12	18:07	10:07	MW-229
F97758-11	N0063069.D	10/12/12	18:31	10:31	MW-213
F97758-8	N0063070.D	10/12/12	18:56	10:56	NW-K-6
F97758-9	N0063071.D	10/12/12	19:22	11:22	MW-209
F97802-1MS	N0063072.D	10/12/12	19:47	11:47	Matrix Spike

Instrument Performance Check (BFB)

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VN2660-BFB
Lab File ID: N0063048.D
Instrument ID: GCMSN
Injection Date: 10/12/12
Injection Time: 08:00

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
F97802-1MSD	N0063073.D	10/12/12	20:11	12:11	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VN2661-BFB
Lab File ID: N0063078.D
Instrument ID: GCMSN
Injection Date: 10/15/12
Injection Time: 10:45

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	11860	16.6		Pass
75	30.0 - 60.0% of mass 95	32923	46.0		Pass
95	Base peak, 100% relative abundance	71611	100.0		Pass
96	5.0 - 9.0% of mass 95	4808	6.71		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 100.0% of mass 95	69083	96.5		Pass
175	5.0 - 9.0% of mass 174	5554	7.76	(8.04) [a]	Pass
176	95.0 - 101.0% of mass 174	67424	94.2	(97.6) [a]	Pass
177	5.0 - 9.0% of mass 176	4616	6.45	(6.85) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN2661-CC2625	N0063079.D	10/15/12	11:23	00:38	Continuing cal 4
VN2661-BS	N0063080.D	10/15/12	12:04	01:19	Blank Spike
VN2663-BS	N0063079.D	10/15/12	12:04	01:19	Blank Spike
VN2662-BS	N0063080.D	10/15/12	13:37	02:52	Blank Spike
OP43957-LB	N0063081.D	10/15/12	14:02	03:17	Leachate Blank
VN2663-MB	N0063082.D	10/15/12	14:27	03:42	Method Blank
VN2661-MB	N0063082.D	10/15/12	14:27	03:42	Method Blank
F97788-2	N0063086.D	10/15/12	16:22	05:37	(used for QC only; not part of job F97758)
F97706-33A	N0063087.D	10/15/12	16:47	06:02	(used for QC only; not part of job F97758)
ZZZZZZ	N0063088.D	10/15/12	17:14	06:29	(unrelated sample)
ZZZZZZ	N0063089.D	10/15/12	17:42	06:57	(unrelated sample)
ZZZZZZ	N0063090.D	10/15/12	18:09	07:24	(unrelated sample)
ZZZZZZ	N0063091.D	10/15/12	18:33	07:48	(unrelated sample)
ZZZZZZ	N0063092.D	10/15/12	18:58	08:13	(unrelated sample)
F97965-2	N0063093.D	10/15/12	19:25	08:40	(used for QC only; not part of job F97758)
ZZZZZZ	N0063094.D	10/15/12	19:52	09:07	(unrelated sample)
ZZZZZZ	N0063095.D	10/15/12	20:18	09:33	(unrelated sample)
F97758-3	N0063096.D	10/15/12	21:17	10:32	MW-211
F97965-2MS	N0063098.D	10/15/12	22:11	11:26	Matrix Spike
F97965-2MSD	N0063099.D	10/15/12	22:37	11:52	Matrix Spike Duplicate
F97706-33AMS	N0063100.D	10/15/12	23:04	12:19	Matrix Spike
F97706-33AMSD	N0063101.D	10/15/12	23:30	12:45	Matrix Spike Duplicate
F97788-2MS	N0063102.D	10/15/12	23:54	13:09	Matrix Spike
F97788-2MSD	N0063103.D	10/16/12	00:19	13:34	Matrix Spike Duplicate

Volatile Internal Standard Area Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std:	VN2659-CC2625	**Injection Date:**	10/11/12
Lab File ID:	N0063019.D	**Injection Time:**	10:36
Instrument ID:	GCMSN	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Initial Cal [a]	531753	7.58	394440	10.67	229685	13.04	55111	5.15
Check Std [b]	477310	7.58	383530	10.67	233832	13.04	49582	5.15
Upper Limit [c]	954620	8.08	767060	11.17	467664	13.54	99164	5.65
Lower Limit [d]	238655	7.08	191765	10.17	116916	12.54	24791	4.65

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
VN2659-BS	483023	7.58	377537	10.67	233758	13.04	51737	5.15
VN2659-MB	472368	7.58	348173	10.67	201130	13.04	44108	5.17
ZZZZZZ	457767	7.58	345698	10.67	198170	13.04	34211	5.16
F97553-5	450801	7.58	333067	10.67	191224	13.04	33825	5.17
ZZZZZZ	451299	7.58	334931	10.68	188816	13.04	37531	5.16
ZZZZZZ	442877	7.58	331205	10.68	187947	13.04	34692	5.17
ZZZZZZ	423162	7.58	318330	10.67	181013	13.04	37172	5.18
ZZZZZZ	425996	7.58	316217	10.67	180798	13.04	38430	5.16
ZZZZZZ	421753	7.58	307237	10.67	180797	13.04	36601	5.17
F97758-13 [e]	420266	7.58	313434	10.67	179459	13.04	34052	5.17
F97758-1 [e]	415390	7.58	311144	10.67	174691	13.04	35335	5.18
F97758-2 [e]	415085	7.58	313143	10.68	179818	13.04	36964	5.17
F97758-3 [e]	406633	7.58	299718	10.68	171789	13.04	37575	5.17
F97758-7 [e]	406748	7.58	299917	10.67	171607	13.04	38191	5.17
F97758-10 [e]	403164	7.58	297660	10.67	169771	13.04	37917	5.17
F97758-12 [e]	397656	7.58	296527	10.67	172472	13.04	35892	5.17
F97758-4 [e]	394683	7.58	294108	10.67	166478	13.04	36668	5.15
F97758-8 [e]	397029	7.58	296911	10.67	166205	13.04	36309	5.16
F97758-9 [e]	385098	7.58	285480	10.67	163527	13.04	35382	5.16
F97758-11 [e]	382735	7.58	285486	10.67	164235	13.04	34545	5.17
F97553-5MS	404062	7.58	312431	10.67	190668	13.04	41285	5.17
F97553-5MSD	430634	7.58	347346	10.67	216523	13.04	46864	5.15

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4
IS 4 = Tert Butyl Alcohol-D10

(a) Initial Cal is: VN2625-ICC2625 N0062458.D 09/18/12 21:32
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(e) Sample was not preserved to a pH < 2.

Volatile Internal Standard Area Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std:	VN2660-CC2625	**Injection Date:**	10/12/12
Lab File ID:	N0063049.D	**Injection Time:**	08:33
Instrument ID:	GCMSN	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Initial Cal [a]	531753	7.58	394440	10.67	229685	13.04	55111	5.15
Check Std [b]	446859	7.58	361315	10.67	222474	13.04	45535	5.15
Upper Limit [c]	893718	8.08	722630	11.17	444948	13.54	91070	5.65
Lower Limit [d]	223430	7.08	180658	10.17	111237	12.54	22768	4.65

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
VN2660-BS	462910	7.58	366445	10.67	215988	13.04	47889	5.16
VN2660-MB	435136	7.58	328619	10.68	183691	13.04	39925	5.17
ZZZZZZ	434800	7.58	349694	10.67	203748	13.04	42846	5.16
ZZZZZZ	425981	7.58	323493	10.67	188154	13.04	37375	5.17
ZZZZZZ	432258	7.58	322543	10.67	192480	13.04	40741	5.17
ZZZZZZ	421979	7.58	317236	10.67	179489	13.04	35551	5.18
ZZZZZZ	410124	7.58	316148	10.67	184418	13.04	28659	5.18
ZZZZZZ	411601	7.58	320876	10.67	184561	13.04	30768	5.16
ZZZZZZ	418125	7.58	324930	10.67	188785	13.04	32900	5.16
F97802-1	437525	7.58	334613	10.67	195714	13.04	39018	5.17
ZZZZZZ	444738	7.58	329704	10.68	184806	13.04	38172	5.17
ZZZZZZ	431702	7.58	318172	10.67	180978	13.04	38261	5.16
ZZZZZZ	410268	7.58	311471	10.68	178708	13.04	38476	5.17
ZZZZZZ	407138	7.58	306513	10.67	173456	13.04	32939	5.16
F97802-1	408483	7.58	304195	10.67	178833	13.04	37415	5.16
ZZZZZZ	400420	7.58	298136	10.67	170425	13.04	36523	5.16
ZZZZZZ	405254	7.58	301933	10.68	171257	13.04	37748	5.17
F97758-5 [e]	390850	7.58	286665	10.68	162822	13.04	27963	5.18
F97758-6 [e]	386124	7.58	289074	10.67	163175	13.04	25163	5.17
F97758-11 [e]	379989	7.58	286932	10.67	166326	13.04	26088	5.15
F97758-8 [e]	385025	7.58	284623	10.68	163480	13.04	30068	5.17
F97758-9 [e]	379366	7.58	280993	10.67	158936	13.04	33555	5.17
F97802-1MS	399229	7.58	307966	10.67	185489	13.04	36573	5.17
F97802-1MSD	418399	7.58	351755	10.67	214391	13.04	44798	5.15

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4
IS 4 = Tert Butyl Alcohol-D10

(a) Initial Cal is: VN2625-ICC2625 N0062458.D 09/18/12 21:32
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std:	VN2660-CC2625	**Injection Date:**	10/12/12
Lab File ID:	N0063049.D	**Injection Time:**	08:33
Instrument ID:	GCMSN	**Method:**	SW846 8260B

Lab	IS 1		IS 2		IS 3		IS 4	
Sample ID	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**

(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(e) Sample was not preserved to a pH < 2.

Volatile Internal Standard Area Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std:	VN2661-CC2625	**Injection Date:**	10/15/12
Lab File ID:	N0063079.D	**Injection Time:**	11:23
Instrument ID:	GCMSN	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Initial Cal [a]	531753	7.58	394440	10.67	229685	13.04	55111	5.15
Check Std [b]	451833	7.58	348924	10.67	222485	13.04	48565	5.15
Upper Limit [c]	903666	8.08	697848	11.17	444970	13.54	97130	5.65
Lower Limit [d]	225917	7.08	174462	10.17	111243	12.54	24283	4.65

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
VN2661-BS	473476	7.58	365063	10.67	222802	13.04	51229	5.16
VN2663-BS	473476	7.58	365063	10.67	222802	13.04	51229	5.16
VN2662-BS	488193	7.58	367976	10.67	217891	13.04	56498	5.17
OP43957-LB	473686	7.58	358728	10.67	205163	13.04	47359	5.16
VN2663-MB	450432	7.58	331868	10.67	191737	13.04	44758	5.18
VN2661-MB	450432	7.58	331868	10.67	191737	13.04	44758	5.18
F97788-2	419134	7.58	326687	10.68	189045	13.04	42824	5.17
F97706-33A	409857	7.58	305385	10.68	175791	13.04	41194	5.16
ZZZZZZ	403413	7.58	301169	10.67	171396	13.04	39513	5.17
ZZZZZZ	400462	7.58	301363	10.67	177497	13.04	41127	5.15
ZZZZZZ	404902	7.58	296538	10.68	177897	13.04	41546	5.17
ZZZZZZ	396135	7.58	298890	10.67	172396	13.04	39896	5.17
ZZZZZZ	390699	7.58	291116	10.68	171935	13.04	60805	5.17
F97965-2	393176	7.58	288832	10.68	164917	13.04	39300	5.17
ZZZZZZ	396037	7.58	290179	10.67	171342	13.04	38321	5.16
ZZZZZZ	388335	7.58	283831	10.68	165012	13.04	33151	5.17
F97758-3 [e]	376125	7.58	281183	10.67	160802	13.04	34472	5.16
F97965-2MS	391798	7.58	302838	10.67	183664	13.04	36673	5.17
F97965-2MSD	400608	7.58	323275	10.67	200415	13.04	44176	5.15
F97706-33AMS	414892	7.58	320918	10.67	192215	13.04	37176	5.17
F97706-33AMSD	404030	7.57	334582	10.67	203465	13.04	44563	5.15
F97788-2MS	425055	7.58	325688	10.67	196819	13.04	43015	5.17
F97788-2MSD	405186	7.58	323396	10.67	200392	13.04	42374	5.15

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4
IS 4 = Tert Butyl Alcohol-D10

(a) Initial Cal is: VN2625-ICC2625 N0062458.D 09/18/12 21:32
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std:	VN2661-CC2625	**Injection Date:**	10/15/12
Lab File ID:	N0063079.D	**Injection Time:**	11:23
Instrument ID:	GCMSN	**Method:**	SW846 8260B

Lab	IS 1		IS 2		IS 3		IS 4	
Sample ID	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**

(e) Sample was not preserved to a pH < 2.

Volatile Surrogate Recovery Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
F97758-1	N0063030.D	110.0	109.0	97.0	98.0
F97758-2	N0063031.D	107.0	108.0	98.0	97.0
F97758-3	N0063096.D	114.0	113.0	99.0	100.0
F97758-3	N0063032.D	110.0	110.0	98.0	97.0
F97758-4	N0063036.D	112.0	112.0	98.0	99.0
F97758-5	N0063067.D	112.0	108.0	98.0	99.0
F97758-6	N0063068.D	111.0	110.0	96.0	99.0
F97758-7	N0063033.D	110.0	109.0	99.0	97.0
F97758-8	N0063070.D	111.0	112.0	98.0	99.0
F97758-8	N0063039.D	109.0	110.0	99.0	99.0
F97758-9	N0063071.D	112.0	115.0	98.0	98.0
F97758-9	N0063040.D	111.0	112.0	98.0	97.0
F97758-10	N0063034.D	112.0	110.0	98.0	97.0
F97758-11	N0063069.D	113.0	112.0	98.0	97.0
F97758-11	N0063041.D	114.0	114.0	99.0	96.0
F97758-12	N0063035.D	113.0	112.0	98.0	96.0
F97758-13	N0063029.D	110.0	108.0	98.0	97.0
F97553-5MS	N0063042.D	112.0	115.0	96.0	94.0
F97553-5MSD	N0063043.D	108.0	105.0	93.0	94.0
F97802-1MS	N0063072.D	111.0	114.0	96.0	96.0
F97802-1MSD	N0063073.D	108.0	107.0	95.0	97.0
F97965-2MS	N0063098.D	112.0	113.0	97.0	95.0
F97965-2MSD	N0063099.D	109.0	108.0	93.0	96.0
VN2659-BS	N0063020.D	105.0	99.0	98.0	95.0
VN2659-MB	N0063021.D	104.0	102.0	98.0	96.0
VN2660-BS	N0063050.D	107.0	101.0	97.0	99.0
VN2660-MB	N0063051.D	106.0	105.0	98.0	100.0
VN2663-BS	N0063079.D	106.0	101.0	98.0	98.0
VN2663-MB	N0063082.D	106.0	106.0	99.0	98.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	87-116%
S2 = 1,2-Dichloroethane-D4	76-127%
S3 = Toluene-D8	86-112%
S4 = 4-Bromofluorobenzene	84-120%

Initial Calibration Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VN2625-ICC2625
Lab FileID: N0062458.D

```
                    Response Factor Report  MSVOA8

Method       : C:\MSDchem\2\METHODS\8260nnew.m (RTE Integrator)
Title        : SW-846 Method 5030B/8260B & EPA 624
Last Update  : Wed Sep 19 09:48:18 2012
Response via : Initial Calibration

Calibration Files
1   =N0062455.D  2   =N0062456.D  3   =N0062457.D  4   =N0062458.D
5      =N0062459.D   6      =N0062460.D

      Compound              1     2     3     4     5     6     Avg    %RSD
-------------------------------------------------------------------------------

1) I   Fluorobenzene         ----------------ISTD---------------------
2)     Dichlorodifluoromet 0.244 0.319 0.306 0.275 0.266 0.260 0.278  10.28
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
             Response Ratio = 0.00000 + 0.29236 *A + -0.01681 *A^2

3) P   Chloromethane       0.394 0.377 0.352 0.327 0.309 0.299 0.343  11.08
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
             Response Ratio = 0.00000 + 0.34679 *A + -0.02455 *A^2

4) C   Vinyl Chloride      0.309 0.304 0.289 0.271 0.267 0.263 0.284   7.06
5)     Bromomethane        0.341 0.244 0.215 0.205 0.185 0.179 0.228  26.36
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9994
             Response Ratio = 0.00000 + 0.21638 *A + -0.01938 *A^2

6)     Chloroethane        0.190 0.186 0.168 0.158 0.140 0.132 0.162  14.58
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9993
             Response Ratio = 0.00000 + 0.17063 *A + -0.01965 *A^2

7)     Trichlorofluorometh 0.400 0.485 0.453 0.412 0.385 0.370 0.418  10.44
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
             Response Ratio = 0.00000 + 0.44234 *A + -0.03686 *A^2

8)     Ethyl Ether         0.195 0.222 0.250 0.215 0.204 0.243 0.221   9.69
9)     1,2-Dichlorotrifluo 0.279 0.420 0.388 0.370 0.351 0.348 0.359  13.15
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
             Response Ratio = 0.00000 + 0.38034 *A + -0.01713 *A^2

10) C  1,1-Dichloroethene  0.339 0.449 0.426 0.408 0.398 0.401 0.403   9.14
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
             Response Ratio = 0.00000 + 0.41123 *A + -0.00610 *A^2

11)    Freon 113           0.241 0.374 0.359 0.346 0.325 0.311 0.326  14.48
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
             Response Ratio = 0.00000 + 0.36614 *A + -0.02765 *A^2

12)    Carbon Disulfide    0.874 0.981 0.979 0.953 0.938 0.938 0.944   4.13
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
             Response Ratio = 0.00000 + 0.96236 *A + -0.01310 *A^2

13)    Iodomethane         0.538 0.611 0.595 0.586 0.580 0.578 0.581   4.20
           ---- Linear regr., Force(0,0) ----  Coefficient =  1.0000
             Response Ratio = 0.00000 + 0.57963 *A

14)    Methylene Chloride  1.030 0.534 0.449 0.425 0.407 0.395 0.540  45.38
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
             Response Ratio = 0.00000 + 0.44879 *A + -0.02764 *A^2
```

Initial Calibration Summary

Job Number: F97758 **Sample:** VN2625-ICC2625
Account: URSNCM URS Corporation **Lab FileID:** N0062458.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
15)     Acetone              0.020 0.024 0.024 0.024 0.024 0.023 0.023   6.54
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.02520 *A + -0.00018 *A^2

16)     Methyl acetate       0.035 0.046 0.046 0.045 0.045 0.044 0.043  10.00
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 0.04637 *A + -0.00023 *A^2

17)     trans-1,2-Dichloroe 0.347 0.434 0.415 0.397 0.384 0.384 0.394   7.58
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.40336 *A + -0.01038 *A^2

18)     Hexane               0.221 0.318 0.309 0.293 0.277 0.271 0.281  12.30
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.30594 *A + -0.01817 *A^2

19)     Methyl Tert Butyl E 0.806 0.875 0.892 0.902 0.900 0.870 0.874   4.10
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 0.93020 *A + -0.02879 *A^2

20)     Di-isopropyl ether  0.756 0.912 0.965 0.975 0.963 0.949 0.920   9.06
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 0.98666 *A + -0.01849 *A^2

21) P   1,1-Dichloroethane  0.449 0.516 0.512 0.497 0.481 0.481 0.489   5.10
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.50275 *A + -0.01158 *A^2

22)     Acrylonitrile        0.080 0.089 0.111 0.111 0.108 0.107 0.101  13.13
23)     ETBE                 0.720 0.863 0.909 0.935 0.939 0.911 0.880   9.39
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.95403 *A + -0.01949 *A^2

24)     Vinyl acetate        0.218 0.259 0.326 0.333 0.338 0.321 0.299  16.45
25)     cis-1,2-Dichloroeth 0.282 0.298 0.315 0.315 0.296 0.302 0.301   4.16
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9994
              Response Ratio = 0.00000 + 0.30994 *A + -0.00476 *A^2

26)     2,2-Dichloropropane 0.295 0.402 0.402 0.402 0.380 0.378 0.376  11.01
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.40517 *A + -0.01404 *A^2

27)     Bromochloromethane  0.134 0.182 0.183 0.179 0.174 0.172 0.171  10.86
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 0.18333 *A + -0.00593 *A^2

28)     Cyclohexane          0.362 0.518 0.538 0.527 0.500 0.498 0.490  13.26
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
              Response Ratio = 0.00000 + 0.53455 *A + -0.01948 *A^2

29) C   Chloroform           0.457 0.539 0.542 0.524 0.502 0.496 0.510   6.27
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 0.53656 *A + -0.02108 *A^2

30)     Tetrahydrofuran      0.133 0.098 0.090 0.086 0.088 0.083 0.096  19.38
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9993
              Response Ratio = 0.00000 + 0.09280 *A + -0.00475 *A^2

31) S   Dibromofluoromethan 0.271 0.277 0.279 0.273 0.267 0.265 0.272   2.04
```

Initial Calibration Summary

Job Number: F97758 **Sample:** VN2625-ICC2625
Account: URSNCM URS Corporation **Lab FileID:** N0062458.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
32)     Carbon Tetrachlorid 0.317 0.434 0.424 0.419 0.409 0.403 0.401  10.55
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 0.42751 *A + -0.01225 *A^2

33)     1,1,1-Trichloroetha 0.373 0.486 0.477 0.468 0.451 0.451 0.451   8.99
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 0.47205 *A + -0.01112 *A^2

34)     2-Butanone          0.094 0.122 0.122 0.118 0.119 0.117 0.115   9.27
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 0.12110 *A + -0.00038 *A^2

35)     1,1-Dichloropropene 0.225 0.371 0.375 0.366 0.354 0.357 0.341  16.84
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
              Response Ratio = 0.00000 + 0.36566 *A + -0.00491 *A^2

36)     Benzene             0.939 1.135 1.100 1.057 1.038 1.047 1.053   6.35
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 1.06247 *A + -0.00949 *A^2

37)     TAME                0.550 0.716 0.782 0.796 0.802 0.797 0.740  13.34
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 0.79422 *A + 0.00224 *A^2

38) S   1,2-Dichloroethane- 0.303 0.314 0.311 0.294 0.290 0.286 0.300   3.80
39)     1,2-Dichloroethane  0.366 0.409 0.390 0.384 0.375 0.361 0.381   4.66
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 0.40141 *A + -0.02024 *A^2

40)     Trichloroethene     0.255 0.311 0.289 0.277 0.270 0.271 0.279   6.90
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.28007 *A + -0.00491 *A^2

41)     Methylcyclohexane   0.367 0.526 0.540 0.523 0.502 0.500 0.493  12.86
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.53127 *A + -0.01653 *A^2

42)     Dibromomethane      0.117 0.172 0.175 0.173 0.175 0.173 0.164  14.10
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 0.17522 *A + -0.00090 *A^2

43) C   1,2-Dichloropropane 0.207 0.249 0.258 0.263 0.262 0.263 0.250   8.72
44)     Bromodichloromethan 0.257 0.326 0.337 0.351 0.352 0.352 0.329  11.21
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 0.34651 *A + 0.00303 *A^2

45)     2-Chloroethyl vinyl 0.085 0.141 0.161 0.166 0.167 0.160 0.147  21.57
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
              Response Ratio = 0.00000 + 0.17110 *A + -0.00100 *A^2

46)     cis-1,3-Dichloropro 0.288 0.366 0.406 0.429 0.436 0.441 0.394  14.96
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 0.41597 *A + 0.01282 *A^2


47) I   Chlorobenzene-d5      ----------------ISTD---------------------
48) S   Toluene-d8          1.236 1.268 1.266 1.263 1.227 1.261 1.254   1.39
49) C   Toluene             1.338 1.578 1.529 1.489 1.454 1.482 1.478   5.49
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 1.47534 *A + 0.00010 *A^2
```

Initial Calibration Summary

Job Number: F97758 **Sample:** VN2625-ICC2625
Account: URSNCM URS Corporation **Lab FileID:** N0062458.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
50)      2-Nitropropane       0.050 0.071 0.085 0.089 0.091 0.090 0.079  20.53
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
               Response Ratio = 0.00000 + 0.08821 *A + 0.00026 *A^2

51)      4-Methyl-2-pentanon 0.251 0.329 0.352 0.356 0.345 0.334 0.328  11.89
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
               Response Ratio = 0.00000 + 0.36618 *A + -0.00316 *A^2

52)      trans-1,3-Dichlorop 0.250 0.426 0.477 0.496 0.506 0.500 0.443  22.34
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
               Response Ratio = 0.00000 + 0.49441 *A + 0.00385 *A^2

53)      Tetrachloroethene   0.358 0.464 0.471 0.444 0.432 0.440 0.435   9.31
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
               Response Ratio = 0.00000 + 0.44449 *A + -0.00338 *A^2

54)      1,1,2-Trichloroetha 0.204 0.261 0.274 0.269 0.266 0.267 0.257  10.15
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
               Response Ratio = 0.00000 + 0.26854 *A + -0.00081 *A^2

55)      Dibromochloromethan 0.250 0.347 0.383 0.403 0.404 0.411 0.366  16.83
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
               Response Ratio = 0.00000 + 0.38913 *A + 0.01104 *A^2

56)      1,3-Dichloropropane 0.415 0.538 0.543 0.545 0.542 0.540 0.520   9.93
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
               Response Ratio = 0.00000 + 0.54702 *A + -0.00365 *A^2

57)      1,2-Dibromoethane   0.241 0.320 0.334 0.350 0.355 0.350 0.325  13.36
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
               Response Ratio = 0.00000 + 0.34970 *A + 0.00095 *A^2

58)      2-hexanone          0.118 0.186 0.223 0.232 0.231 0.223 0.202  22.04
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
               Response Ratio = 0.00000 + 0.23596 *A + -0.00116 *A^2

59)      1-Chlorohexane      0.287 0.454 0.481 0.490 0.480 0.498 0.448  17.96
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
               Response Ratio = 0.00000 + 0.46900 *A + 0.01360 *A^2

60) C    Ethylbenzene        1.534 1.795 1.722 1.674 1.608 1.622 1.659   5.54
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
               Response Ratio = 0.00000 + 1.68055 *A + -0.03295 *A^2

61) P    Chlorobenzene       0.965 1.063 1.021 1.008 0.970 0.966 0.999   3.92
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
               Response Ratio = 0.00000 + 1.02025 *A + -0.02848 *A^2

62)      1,1,1,2-Tetrachloro 0.323 0.404 0.405 0.412 0.402 0.410 0.393   8.77
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
               Response Ratio = 0.00000 + 0.40322 *A + 0.00263 *A^2

63)      m,p-Xylene          0.943 1.275 1.287 1.282 1.222 1.218 1.204  10.92
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
               Response Ratio = 0.00000 + 1.29201 *A + -0.01946 *A^2

64)      o-Xylene            0.851 1.203 1.302 1.329 1.291 1.307 1.214  15.07
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
               Response Ratio = 0.00000 + 1.30521 *A + -0.00080 *A^2
```

Initial Calibration Summary

Job Number: F97758 **Sample:** VN2625-ICC2625
Account: URSNCM URS Corporation **Lab FileID:** N0062458.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
65)      Styrene              0.544 0.895 1.046 1.098 1.106 1.120 0.968  23.11
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
               Response Ratio = 0.00000 + 1.06397 *A + 0.02845 *A^2

66) P    Bromoform            0.149 0.223 0.257 0.276 0.288 0.288 0.247  21.76
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
               Response Ratio = 0.00000 + 0.26780 *A + 0.01096 *A^2

67)      Isopropylbenzene     1.053 1.615 1.758 1.777 1.689 1.722 1.602  17.17
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9995
               Response Ratio = 0.00000 + 1.74189 *A + -0.01419 *A^2


68) I    1,4-Dichlorobenzene-d ----------------ISTD---------------------
69) S    4-Bromofluorobenzen 0.822 0.823 0.822 0.807 0.812 0.824 0.818   0.85
70)      n-Propylbenzene      2.459 3.258 3.315 3.250 3.143 3.184 3.102  10.33
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
               Response Ratio = 0.00000 + 3.23445 *A + -0.03162 *A^2

71)      Bromobenzene         0.781 0.874 0.877 0.865 0.851 0.852 0.850   4.19
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
               Response Ratio = 0.00000 + 0.86771 *A + -0.00838 *A^2

72) P    1,1,2,2-Tetrachloro 0.630 0.725 0.772 0.761 0.764 0.748 0.734   7.24
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
               Response Ratio = 0.00000 + 0.77974 *A + -0.01507 *A^2

73)      1,3,5-Trimethylbenz 1.827 2.567 2.805 2.843 2.703 2.736 2.580  14.78
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
               Response Ratio = 0.00000 + 2.80361 *A + -0.03923 *A^2

74)      2-Chlorotoluene      1.884 2.377 2.360 2.324 2.201 2.225 2.229   8.22
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
               Response Ratio = 0.00000 + 2.32106 *A + -0.05405 *A^2

75)      trans-1,4-Dichloro- 0.021 0.146 0.195 0.216 0.219 0.215 0.169  45.83
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9994
               Response Ratio = 0.00000 + 0.21297 *A + 0.00143 *A^2

76)      1,2,3-Trichloroprop 0.217 0.246 0.240 0.245 0.239 0.243 0.238   4.63
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
               Response Ratio = 0.00000 + 0.24071 *A + 0.00059 *A^2

77)      Cyclohexanone            0.009 0.018 0.021 0.022 0.022 0.018  30.77
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9988
               Response Ratio = 0.00000 + 0.01974 *A + 0.00023 *A^2

78)      4-Chlorotoluene      1.416 1.964 2.014 2.025 1.992 1.987 1.900  12.52
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
               Response Ratio = 0.00000 + 2.02822 *A + -0.02137 *A^2

79)      tert-Butylbenzene    0.899 1.336 1.408 1.425 1.364 1.412 1.307  15.50
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9994
               Response Ratio = 0.00000 + 1.37364 *A + 0.01522 *A^2

80)      1,2,4-Trimethylbenz 1.801 2.615 2.826 2.842 2.756 2.779 2.603  15.41
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
               Response Ratio = 0.00000 + 2.81531 *A + -0.02160 *A^2
```

Initial Calibration Summary

Job Number: F97758 **Sample:** VN2625-ICC2625
Account: URSNCM URS Corporation **Lab FileID:** N0062458.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
81)     sec-Butylbenzene    2.207 3.267 3.456 3.440 3.293 3.351 3.169  15.06
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
              Response Ratio = 0.00000 + 3.39263 *A + -0.02865 *A^2

82)     4-Isopropyltoluene  1.719 2.603 2.977 2.967 2.865 2.921 2.675  18.25
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
              Response Ratio = 0.00000 + 2.91160 *A + -0.00119 *A^2

83)     1,3-Dichlorobenzene 1.279 1.555 1.558 1.545 1.517 1.513 1.495   7.16
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 1.55508 *A + -0.02213 *A^2

84)     1,4-Dichlorobenzene 1.905 1.843 1.787 1.745 1.709 1.669 1.777   4.91
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 1.80344 *A + -0.06710 *A^2

85)     n-Butylbenzene      0.909 1.390 1.584 1.603 1.575 1.595 1.443  18.95
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 1.57333 *A + 0.00961 *A^2

86)     Benzyl Chloride     0.077 0.194 0.275 0.302 0.333 0.326 0.251  39.47
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9986
              Response Ratio = 0.00000 + 0.29586 *A + 0.01712 *A^2

87)     1,2-Dichlorobenzene 1.340 1.591 1.552 1.588 1.554 1.529 1.526   6.16
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 1.60658 *A + -0.03843 *A^2

88)     1,2-Dibromo-3-Chlor 0.074 0.110 0.121 0.136 0.140 0.140 0.120  21.48
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9995
              Response Ratio = 0.00000 + 0.13926 *A

89)     Hexachlorobutadiene 0.539 0.645 0.637 0.649 0.616 0.622 0.618   6.57
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
              Response Ratio = 0.00000 + 0.64195 *A + -0.01131 *A^2

90)     1,2,4-Trichlorobenz 1.003 1.200 1.300 1.354 1.333 1.319 1.252  10.62
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 1.35255 *A + -0.01613 *A^2

91)     Naphthalene         2.229 2.543 3.078 3.251 3.245 3.160 2.918  14.68
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
              Response Ratio = 0.00000 + 3.27637 *A + -0.05157 *A^2

92)     1,2,3-Trichlorobenz 1.093 1.215 1.319 1.345 1.300 1.275 1.258   7.31
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 1.36449 *A + -0.04457 *A^2


93) I   Tert Butyl Alcohol-d1 ----------------ISTD---------------------
94)     acrolein                        0.438 0.442 0.551 0.499 0.482  11.09
95)     Tert Butyl Alcohol  1.018 1.334 1.258 1.258 1.272 1.231 1.228   8.85
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 1.29983 *A + -0.01599 *A^2

96)     tert Amyl alcohol   0.467 0.813 0.859 0.910 0.952 0.953 0.826  22.29
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
              Response Ratio = 0.00000 + 0.88912 *A + 0.01717 *A^2

97)     1,4-Dioxane               0.067 0.130 0.148 0.151 0.139 0.127  27.01
```

Initial Calibration Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VN2625-ICC2625
Lab FileID: N0062458.D

```
---- Linear regr., Force(0,0) ----  Coefficient =  0.9947
  Response Ratio = 0.00000 + 0.14294 *A

-----------------------------------------------------------------------------
(#) = Out of Range

          8260nnew.m        Wed Sep 19 09:51:55 2012
```

Initial Calibration Verification

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: VN2625-ICV2625
Lab FileID: N0062461.D

Evaluate Continuing Calibration Report

```
Data File : C:\MSDchem\2\DATA\091812a\N0062461.D         Vial: 7
Acq On    : 18 Sep 2012  10:48 pm                     Operator: rayb
Sample    : icv2625-4                                 Inst    : MSVOA8
Misc      : MS22102,VN2625,,,,,                       Multiplr: 1.00
MS Integration Params: Tiny.p

Method       : C:\MSDchem\2\METHODS\8260nnew.m (RTE Integrator)
Title        : SW-846 Method 5030B/8260B & EPA 624
Last Update  : Wed Sep 19 09:48:18 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	110	-0.01	7.58
		Amount	Calc.	%Drift			
2	Dichlorodifluoromethane	40.000	58.107	-45.3#	158	-0.01	2.64
3 P	Chloromethane	40.000	47.175	-17.9	128	0.00	2.85
		AvgRF	CCRF	%Dev			
4 C	Vinyl Chloride	0.284	0.331	-16.5	134	0.00	2.99
		Amount	Calc.	%Drift			
5	Bromomethane	40.000	42.572	-6.4	114	0.00	3.38
6	Chloroethane	40.000	41.543	-3.9	111	0.00	3.52
7	Trichlorofluoromethane	40.000	40.610	-1.5	112	0.00	3.72
		AvgRF	CCRF	%Dev			
8	Ethyl Ether	0.221	0.186	15.8	95	-0.01	3.99
		Amount	Calc.	%Drift			
9	1,2-Dichlorotrifluoroetha	40.000	36.974	7.6	101	0.00	4.25
10 C	1,1-Dichloroethene	40.000	38.905	2.7	107	-0.04	4.27
11	Freon 113	40.000	35.184	12.0	97	0.00	4.33
12	Carbon Disulfide	40.000	35.220	12.0	97	-0.01	4.34
13	Iodomethane	40.000	37.659	5.9	102	-0.02	4.45
14	Methylene Chloride	40.000	37.353	6.6	103	-0.02	4.90
15	Acetone	200.000	203.499	-1.7	113	-0.01	4.94
16	Methyl acetate	200.000	190.982	4.5	106	0.00	5.04
17	trans-1,2-Dichloroethene	40.000	36.768	8.1	101	-0.02	5.06
18	Hexane	40.000	35.117	12.2	97	-0.01	5.12
19	Methyl Tert Butyl Ether	40.000	35.704	10.7	99	0.00	5.18
20	Di-isopropyl ether	40.000	36.747	8.1	101	-0.02	5.54
21 P	1,1-Dichloroethane	40.000	37.778	5.6	103	0.00	5.73
		AvgRF	CCRF	%Dev			
22	Acrylonitrile	0.101	0.113	-11.9	112	-0.05	5.77
		Amount	Calc.	%Drift			
23	ETBE	40.000	36.173	9.6	100	0.00	5.93
		AvgRF	CCRF	%Dev			
24	Vinyl acetate	0.299	0.441	-47.5#	145	-0.02	5.94
		Amount	Calc.	%Drift			

Initial Calibration Verification

Job Number: F97758 **Sample:** VN2625-ICV2625
Account: URSNCM URS Corporation **Lab FileID:** N0062461.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

25		cis-1,2-Dichloroethene	40.000	38.316	4.2	102	-0.01	6.30
26		2,2-Dichloropropane	40.000	36.527	8.7	99	-0.02	6.42
27		Bromochloromethane	40.000	35.900	10.3	99	0.00	6.51
28		Cyclohexane	40.000	36.758	8.1	100	-0.02	6.53
29	C	Chloroform	40.000	37.054	7.4	101	-0.02	6.56
30		Tetrahydrofuran	40.000	36.029	9.9	103	0.00	6.74
		----------	AvgRF	CCRF	%Dev	----------		
31	S	Dibromofluoromethane	0.272	0.264	2.9	106	0.00	6.75
		----------	Amount	Calc.	%Drift	----------		
32		Carbon Tetrachloride	40.000	36.320	9.2	100	0.00	6.74
33		1,1,1-Trichloroethane	40.000	36.512	8.7	100	-0.02	6.80
34		2-Butanone	200.000	190.835	4.6	107	-0.01	6.86
35		1,1-Dichloropropene	40.000	38.702	3.2	105	-0.01	6.92
36		Benzene	40.000	39.534	1.2	108	-0.01	7.17
37		TAME	40.000	36.798	8.0	101	-0.01	7.25
		----------	AvgRF	CCRF	%Dev	----------		
38	S	1,2-Dichloroethane-d4	0.300	0.284	5.3	106	-0.01	7.31
		----------	Amount	Calc.	%Drift	----------		
39		1,2-Dichloroethane	40.000	37.078	7.3	103	-0.01	7.37
40		Trichloroethene	40.000	39.494	1.3	108	0.00	7.75
41		Methylcyclohexane	40.000	37.451	6.4	102	-0.01	7.75
42		Dibromomethane	40.000	38.246	4.4	106	-0.01	8.18
		----------	AvgRF	CCRF	%Dev	----------		
43	C	1,2-Dichloropropane	0.250	0.258	-3.2	108	-0.01	8.27
		----------	Amount	Calc.	%Drift	----------		
44		Bromodichloromethane	40.000	38.567	3.6	105	0.00	8.32
45		2-Chloroethyl vinyl ether	200.000	186.900	6.5	104	0.00	8.84
46		cis-1,3-Dichloropropene	40.000	37.134	7.2	101	0.00	8.94
		----------	AvgRF	CCRF	%Dev	----------		
47	I	Chlorobenzene-d5	1.000	1.000	0.0	111	0.00	10.67
48	S	Toluene-d8	1.254	1.275	-1.7	112	0.00	9.12
		----------	Amount	Calc.	%Drift	----------		
49	C	Toluene	40.000	39.908	0.2	109	0.00	9.18
50		2-Nitropropane	200.000	181.111	9.4	100	0.00	9.40
51		4-Methyl-2-pentanone	200.000	193.157	3.4	106	-0.02	9.51
52		trans-1,3-Dichloropropene	40.000	38.956	2.6	108	0.00	9.57
53		Tetrachloroethene	40.000	38.392	4.0	106	-0.01	9.57
54		1,1,2-Trichloroethane	40.000	39.434	1.4	109	-0.02	9.73
55		Dibromochloromethane	40.000	39.097	2.3	107	-0.02	9.93
56		1,3-Dichloropropane	40.000	38.440	3.9	106	-0.02	10.01
57		1,2-Dibromoethane	40.000	38.970	2.6	108	-0.02	10.19
58		2-hexanone	200.000	189.781	5.1	105	-0.02	10.33
59		1-Chlorohexane	40.000	37.516	6.2	101	0.00	10.62
60	C	Ethylbenzene	40.000	39.527	1.2	108	0.00	10.69
61	P	Chlorobenzene	40.000	41.838	-4.6	114	0.00	10.69
62		1,1,1,2-Tetrachloroethane	40.000	39.695	0.8	108	0.00	10.74
63		m,p-Xylene	80.000	81.297	-1.6	110	0.00	10.82
64		o-Xylene	40.000	41.859	-4.6	114	0.00	11.27
65		Styrene	40.000	40.279	-0.7	110	-0.03	11.32
66	P	Bromoform	40.000	37.695	5.8	104	0.00	11.38
67		Isopropylbenzene	40.000	41.927	-4.8	113	0.00	11.57

Initial Calibration Verification

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VN2625-ICV2625
Lab FileID: N0062461.D

			AvgRF	CCRF	%Dev			
68	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	0.00	13.04
69	S	4-Bromofluorobenzene	0.818	0.827	-1.1	111	-0.01	11.89

			Amount	Calc.	%Drift			
70		n-Propylbenzene	40.000	42.747	-6.9	115	-0.01	11.99
71		Bromobenzene	40.000	39.519	1.2	107	0.00	12.02
72	P	1,1,2,2-Tetrachloroethane	40.000	37.842	5.4	104	-0.01	12.06
73		1,3,5-Trimethylbenzene	40.000	38.604	3.5	102	-0.01	12.17
74		2-Chlorotoluene	40.000	41.551	-3.9	110	0.00	12.18
75		trans-1,4-Dichloro-2-Bute	40.000	35.467	11.3	95	0.00	12.25
76		1,2,3-Trichloropropane	40.000	38.806	3.0	104	-0.02	12.22
77		Cyclohexanone	200.000	211.191	-5.6	115	0.00	12.30
78		4-Chlorotoluene	40.000	42.588	-6.5	115	0.00	12.35
79		tert-Butylbenzene	40.000	41.658	-4.1	110	0.00	12.52
80		1,2,4-Trimethylbenzene	40.000	38.750	3.1	104	-0.01	12.58
81		sec-Butylbenzene	40.000	41.955	-4.9	112	-0.01	12.70
82		4-Isopropyltoluene	40.000	40.911	-2.3	109	-0.01	12.83
83		1,3-Dichlorobenzene	40.000	42.063	-5.2	114	-0.01	12.97
84		1,4-Dichlorobenzene	40.000	38.557	3.6	105	0.00	13.06
85		n-Butylbenzene	40.000	39.184	2.0	105	-0.01	13.27
86		Benzyl Chloride	40.000	34.755	13.1	96	0.00	13.29
87		1,2-Dichlorobenzene	40.000	41.899	-4.7	113	-0.01	13.49
88		1,2-Dibromo-3-Chloropropa	40.000	38.042	4.9	106	-0.01	14.24
89		Hexachlorobutadiene	40.000	39.570	1.1	105	-0.01	14.78
90		1,2,4-Trichlorobenzene	40.000	39.591	1.0	106	-0.01	14.83
91		Naphthalene	40.000	39.508	1.2	107	-0.01	15.11
92		1,2,3-Trichlorobenzene	40.000	38.863	2.8	104	-0.01	15.28

			AvgRF	CCRF	%Dev			
93	I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	112	0.00	5.16
94		acrolein	0.482	0.467	3.1	118	-0.01	4.62

			Amount	Calc.	%Drift			
95		Tert Butyl Alcohol	400.000	372.422	6.9	106	0.00	5.23
96		tert Amyl alcohol	400.000	386.737	3.3	109	-0.01	7.41
97		1,4-Dioxane	800.000	784.786	1.9	106	-0.01	8.51

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N0062458.D 8260nnew.m Wed Sep 19 09:52:06 2012

Continuing Calibration Summary

Job Number: F97758 **Sample:** VN2659-CC2625
Account: URSNCM URS Corporation **Lab FileID:** N0063019.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Evaluate Continuing Calibration Report

```
Data File : C:\MSDchem\2\DATA\101112\N0063019.D          Vial: 1
Acq On    : 11 Oct 2012  10:36 am                     Operator: rayb
Sample    : cc2625-4                                  Inst    : MSVOA8
Misc      : MS22102,VN2659,,,,,                       Multiplr: 1.00
MS Integration Params: Tiny.p

Method       : C:\MSDchem\2\METHODS\8260nnew.m (RTE Integrator)
Title        : SW-846 Method 5030B/8260B & EPA 624
Last Update  : Wed Sep 19 09:48:18 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	90	-0.01	7.58
		Amount	Calc.	%Drift			
2	Dichlorodifluoromethane	40.000	50.140	-25.4#	113	0.01	2.66
3 P	Chloromethane	40.000	43.035	-7.6	96	0.04	2.88
		AvgRF	CCRF	%Dev			
4 C	Vinyl Chloride	0.284	0.329	-15.8	109	0.02	3.01
		Amount	Calc.	%Drift			
5	Bromomethane	40.000	44.808	-12.0	98	0.02	3.40
6	Chloroethane	40.000	43.955	-9.9	96	0.01	3.53
7	Trichlorofluoromethane	40.000	47.345	-18.4	105	0.02	3.75
		AvgRF	CCRF	%Dev			
8	Ethyl Ether	0.221	0.225	-1.8	94	0.00	4.00
		Amount	Calc.	%Drift			
9	1,2-Dichlorotrifluoroetha	40.000	41.957	-4.9	93	0.00	4.25
10 C	1,1-Dichloroethene	40.000	41.125	-2.8	92	-0.01	4.29
11	Freon 113	40.000	45.284	-13.2	100	0.00	4.34
12	Carbon Disulfide	40.000	43.518	-8.8	97	0.02	4.38
13	Iodomethane	40.000	43.971	-9.9	98	0.00	4.47
14	Methylene Chloride	40.000	36.794	8.0	83	-0.01	4.91
15	Acetone	200.000	186.667	6.7	85	-0.01	4.93
16	Methyl acetate	200.000	199.079	0.5	90	0.00	5.04
17	trans-1,2-Dichloroethene	40.000	39.486	1.3	88	-0.01	5.07
18	Hexane	40.000	39.481	1.3	88	0.00	5.12
19	Methyl Tert Butyl Ether	40.000	41.774	-4.4	94	0.00	5.18
20	Di-isopropyl ether	40.000	37.059	7.4	83	-0.02	5.54
21 P	1,1-Dichloroethane	40.000	38.941	2.6	87	0.00	5.73
		AvgRF	CCRF	%Dev			
22	Acrylonitrile	0.101	0.103	-2.0	83	0.00	5.77
		Amount	Calc.	%Drift			
23	ETBE	40.000	40.491	-1.2	91	0.00	5.93
		AvgRF	CCRF	%Dev			
24	Vinyl acetate	0.299	0.463	-54.8#	125	-0.02	5.94
		Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: F97758 **Sample:** VN2659-CC2625
Account: URSNCM URS Corporation **Lab FileID:** N0063019.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

25		cis-1,2-Dichloroethene	40.000	38.646	3.4	84	-0.01	6.30
26		2,2-Dichloropropane	40.000	44.267	-10.7	97	-0.01	6.43
27		Bromochloromethane	40.000	41.245	-3.1	92	0.00	6.51
28		Cyclohexane	40.000	40.023	-0.1	88	-0.01	6.53
29	C	Chloroform	40.000	40.295	-0.7	90	-0.02	6.56
30		Tetrahydrofuran	40.000	32.792	18.0	77	0.00	6.74
		----------	AvgRF	CCRF	%Dev	----------		
31	S	Dibromofluoromethane	0.272	0.286	-5.1	94	0.00	6.75
		----------	Amount	Calc.	%Drift	----------		
32		Carbon Tetrachloride	40.000	43.042	-7.6	96	0.00	6.74
33		1,1,1-Trichloroethane	40.000	42.808	-7.0	95	-0.01	6.81
34		2-Butanone	200.000	182.770	8.6	83	-0.02	6.86
35		1,1-Dichloropropene	40.000	39.431	1.4	87	-0.02	6.91
36		Benzene	40.000	37.837	5.4	85	-0.02	7.17
37		TAME	40.000	41.404	-3.5	93	-0.01	7.25
		----------	AvgRF	CCRF	%Dev	----------		
38	S	1,2-Dichloroethane-d4	0.300	0.303	-1.0	92	-0.02	7.30
		----------	Amount	Calc.	%Drift	----------		
39		1,2-Dichloroethane	40.000	38.192	4.5	86	-0.01	7.37
40		Trichloroethene	40.000	39.286	1.8	88	-0.01	7.75
41		Methylcyclohexane	40.000	41.143	-2.9	91	-0.01	7.75
42		Dibromomethane	40.000	38.685	3.3	88	-0.01	8.18
		----------	AvgRF	CCRF	%Dev	----------		
43	C	1,2-Dichloropropane	0.250	0.244	2.4	83	-0.02	8.27
		----------	Amount	Calc.	%Drift	----------		
44		Bromodichloromethane	40.000	39.163	2.1	87	-0.01	8.32
45		2-Chloroethyl vinyl ether	200.000	199.295	0.4	90	0.00	8.84
46		cis-1,3-Dichloropropene	40.000	38.955	2.6	87	0.00	8.94
		----------	AvgRF	CCRF	%Dev	----------		
47	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00	10.67
48	S	Toluene-d8	1.254	1.213	3.3	93	0.00	9.12
		----------	Amount	Calc.	%Drift	----------		
49	C	Toluene	40.000	36.193	9.5	87	0.00	9.18
50		2-Nitropropane	200.000	183.850	8.1	89	0.00	9.40
51		4-Methyl-2-pentanone	200.000	167.786	16.1	81	-0.02	9.51
52		trans-1,3-Dichloropropene	40.000	37.285	6.8	91	0.00	9.57
53		Tetrachloroethene	40.000	39.038	2.4	94	-0.01	9.57
54		1,1,2-Trichloroethane	40.000	36.241	9.4	88	-0.02	9.73
55		Dibromochloromethane	40.000	38.932	2.7	93	-0.02	9.93
56		1,3-Dichloropropane	40.000	36.393	9.0	88	-0.02	10.01
57		1,2-Dibromoethane	40.000	37.731	5.7	92	-0.02	10.19
58		2-hexanone	200.000	178.300	10.8	87	-0.02	10.33
59		1-Chlorohexane	40.000	40.115	-0.3	95	0.00	10.62
60	C	Ethylbenzene	40.000	37.411	6.5	90	0.00	10.69
61	P	Chlorobenzene	40.000	37.497	6.3	90	0.00	10.69
62		1,1,1,2-Tetrachloroethane	40.000	36.749	8.1	88	0.00	10.74
63		m,p-Xylene	80.000	75.583	5.5	90	0.00	10.82
64		o-Xylene	40.000	37.083	7.3	89	0.00	11.27
65		Styrene	40.000	38.816	3.0	93	-0.03	11.32
66	P	Bromoform	40.000	39.592	1.0	96	0.00	11.38
67		Isopropylbenzene	40.000	36.981	7.5	88	0.00	11.57

Continuing Calibration Summary

Job Number: F97758 **Sample:** VN2659-CC2625
Account: URSNCM URS Corporation **Lab FileID:** N0063019.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

			AvgRF	CCRF	%Dev			
68	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	13.04
69	S	4-Bromofluorobenzene	0.818	0.800	2.2	101	-0.01	11.89

			Amount	Calc.	%Drift			
70		n-Propylbenzene	40.000	36.302	9.2	91	-0.01	11.99
71		Bromobenzene	40.000	38.010	5.0	96	-0.01	12.01
72	P	1,1,2,2-Tetrachloroethane	40.000	34.914	12.7	90	-0.01	12.06
73		1,3,5-Trimethylbenzene	40.000	35.760	10.6	89	-0.01	12.17
74		2-Chlorotoluene	40.000	35.949	10.1	90	0.00	12.18
75		trans-1,4-Dichloro-2-Bute	40.000	31.798	20.5#	80	0.00	12.25
76		1,2,3-Trichloropropane	40.000	37.197	7.0	93	-0.02	12.22
77		Cyclohexanone	200.000	166.890	16.6	84	0.00	12.29
78		4-Chlorotoluene	40.000	37.340	6.6	94	0.00	12.35
79		tert-Butylbenzene	40.000	35.737	10.7	88	0.00	12.52
80		1,2,4-Trimethylbenzene	40.000	36.359	9.1	91	-0.01	12.58
81		sec-Butylbenzene	40.000	35.553	11.1	89	-0.01	12.70
82		4-Isopropyltoluene	40.000	36.767	8.1	92	-0.01	12.83
83		1,3-Dichlorobenzene	40.000	37.936	5.2	96	-0.01	12.97
84		1,4-Dichlorobenzene	40.000	37.460	6.3	96	0.00	13.06
85		n-Butylbenzene	40.000	37.523	6.2	94	-0.01	13.27
86		Benzyl Chloride	40.000	40.662	-1.7	106	0.00	13.29
87		1,2-Dichlorobenzene	40.000	36.927	7.7	93	-0.01	13.49
88		1,2-Dibromo-3-Chloropropa	40.000	36.794	8.0	96	-0.01	14.24
89		Hexachlorobutadiene	40.000	39.260	1.9	97	-0.01	14.78
90		1,2,4-Trichlorobenzene	40.000	36.357	9.1	92	-0.01	14.83
91		Naphthalene	40.000	34.908	12.7	89	-0.01	15.11
92		1,2,3-Trichlorobenzene	40.000	35.619	11.0	90	-0.01	15.28

			AvgRF	CCRF	%Dev			
93	I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	90	0.00	5.15
94		acrolein	0.482	1.141	-136.7#	232#	0.00	4.63

			Amount	Calc.	%Drift			
95		Tert Butyl Alcohol	400.000	398.216	0.4	91	0.00	5.23
96		tert Amyl alcohol	400.000	403.991	-1.0	92	-0.01	7.41
97		1,4-Dioxane	800.000	786.181	1.7	85	0.00	8.51

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N0062458.D 8260nnew.m Thu Oct 11 12:04:15 2012

Continuing Calibration Summary

Job Number: F97758 **Sample:** VN2660-CC2625
Account: URSNCM URS Corporation **Lab FileID:** N0063049.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Evaluate Continuing Calibration Report

```
Data File : C:\MSDchem\2\DATA\101212\N0063049.D          Vial: 1
Acq On    : 12 Oct 2012   8:33 am                     Operator: rayb
Sample    : cc2625-4                                  Inst    : MSVOA8
Misc      : MS22102,VN2660,,,,,                       Multiplr: 1.00
MS Integration Params: Tiny.p

Method       : C:\MSDchem\2\METHODS\8260nnew.m (RTE Integrator)
Title        : SW-846 Method 5030B/8260B & EPA 624
Last Update  : Wed Sep 19 09:48:18 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	84	-0.01	7.58
		Amount	Calc.	%Drift			
2	Dichlorodifluoromethane	40.000	52.402	-31.0#	110	0.00	2.65
3 P	Chloromethane	40.000	44.453	-11.1	93	0.02	2.86
		AvgRF	CCRF	%Dev			
4 C	Vinyl Chloride	0.284	0.325	-14.4	101	0.01	2.99
		Amount	Calc.	%Drift			
5	Bromomethane	40.000	45.095	-12.7	92	0.01	3.39
6	Chloroethane	40.000	45.668	-14.2	93	0.00	3.52
7	Trichlorofluoromethane	40.000	49.169	-22.9#	102	0.00	3.74
		AvgRF	CCRF	%Dev			
8	Ethyl Ether	0.221	0.228	-3.2	89	-0.01	3.99
		Amount	Calc.	%Drift			
9	1,2-Dichlorotrifluoroetha	40.000	42.552	-6.4	88	0.00	4.25
10 C	1,1-Dichloroethene	40.000	40.323	-0.8	84	-0.04	4.27
11	Freon 113	40.000	45.942	-14.9	95	0.00	4.33
12	Carbon Disulfide	40.000	42.451	-6.1	89	-0.01	4.34
13	Iodomethane	40.000	43.402	-8.5	90	-0.02	4.45
14	Methylene Chloride	40.000	35.944	10.1	76	-0.02	4.90
15	Acetone	200.000	186.945	6.5	80	-0.02	4.93
16	Methyl acetate	200.000	195.880	2.1	83	-0.01	5.04
17	trans-1,2-Dichloroethene	40.000	39.601	1.0	83	-0.02	5.06
18	Hexane	40.000	39.825	0.4	83	-0.01	5.12
19	Methyl Tert Butyl Ether	40.000	41.474	-3.7	88	0.00	5.17
20	Di-isopropyl ether	40.000	37.136	7.2	78	-0.03	5.53
21 P	1,1-Dichloroethane	40.000	38.766	3.1	81	-0.01	5.72
		AvgRF	CCRF	%Dev			
22	Acrylonitrile	0.101	0.097	4.0	73	0.00	5.77
		Amount	Calc.	%Drift			
23	ETBE	40.000	40.050	-0.1	84	-0.01	5.93
		AvgRF	CCRF	%Dev			
24	Vinyl acetate	0.299	0.450	-50.5#	114	-0.02	5.93
		Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: F97758 **Sample:** VN2660-CC2625
Account: URSNCM URS Corporation **Lab FileID:** N0063049.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

25		cis-1,2-Dichloroethene	40.000	38.847	2.9	79	-0.02	6.29
26		2,2-Dichloropropane	40.000	46.014	-15.0	94	-0.02	6.42
27		Bromochloromethane	40.000	41.707	-4.3	87	-0.01	6.50
28		Cyclohexane	40.000	40.010	-0.0	83	-0.02	6.53
29	C	Chloroform	40.000	40.727	-1.8	85	-0.02	6.56
30		Tetrahydrofuran	40.000	34.847	12.9	76	-0.01	6.73
		----------	AvgRF	CCRF	%Dev	----------		
31	S	Dibromofluoromethane	0.272	0.291	-7.0	89	-0.01	6.75
		----------	Amount	Calc.	%Drift	----------		
32		Carbon Tetrachloride	40.000	44.372	-10.9	93	0.00	6.74
33		1,1,1-Trichloroethane	40.000	43.711	-9.3	91	-0.02	6.80
34		2-Butanone	200.000	181.726	9.1	78	-0.02	6.86
35		1,1-Dichloropropene	40.000	39.286	1.8	82	-0.02	6.91
36		Benzene	40.000	37.823	5.4	79	-0.02	7.17
37		TAME	40.000	41.238	-3.1	87	-0.02	7.24
		----------	AvgRF	CCRF	%Dev	----------		
38	S	1,2-Dichloroethane-d4	0.300	0.308	-2.7	88	-0.02	7.30
		----------	Amount	Calc.	%Drift	----------		
39		1,2-Dichloroethane	40.000	39.529	1.2	83	-0.02	7.37
40		Trichloroethene	40.000	39.903	0.2	84	-0.01	7.75
41		Methylcyclohexane	40.000	41.312	-3.3	86	-0.01	7.75
42		Dibromomethane	40.000	38.339	4.2	81	-0.01	8.18
		----------	AvgRF	CCRF	%Dev	----------		
43	C	1,2-Dichloropropane	0.250	0.238	4.8	76	-0.02	8.27
		----------	Amount	Calc.	%Drift	----------		
44		Bromodichloromethane	40.000	39.850	0.4	83	-0.01	8.32
45		2-Chloroethyl vinyl ether	200.000	194.965	2.5	83	0.00	8.84
46		cis-1,3-Dichloropropene	40.000	39.225	1.9	82	0.00	8.94
		----------	AvgRF	CCRF	%Dev	----------		
47	I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00	10.67
48	S	Toluene-d8	1.254	1.204	4.0	87	0.00	9.12
		----------	Amount	Calc.	%Drift	----------		
49	C	Toluene	40.000	36.338	9.2	82	0.00	9.18
50		2-Nitropropane	200.000	181.963	9.0	83	0.00	9.40
51		4-Methyl-2-pentanone	200.000	164.628	17.7	75	-0.02	9.51
52		trans-1,3-Dichloropropene	40.000	37.520	6.2	86	0.00	9.57
53		Tetrachloroethene	40.000	38.979	2.6	89	-0.01	9.57
54		1,1,2-Trichloroethane	40.000	36.641	8.4	84	-0.02	9.73
55		Dibromochloromethane	40.000	39.255	1.9	89	-0.02	9.93
56		1,3-Dichloropropane	40.000	36.862	7.8	84	-0.02	10.01
57		1,2-Dibromoethane	40.000	38.298	4.3	88	-0.02	10.19
58		2-hexanone	200.000	179.538	10.2	82	-0.02	10.33
59		1-Chlorohexane	40.000	40.024	-0.1	90	0.00	10.62
60	C	Ethylbenzene	40.000	37.979	5.1	86	0.00	10.69
61	P	Chlorobenzene	40.000	37.982	5.0	86	0.00	10.69
62		1,1,1,2-Tetrachloroethane	40.000	38.065	4.8	86	0.00	10.74
63		m,p-Xylene	80.000	75.995	5.0	86	0.00	10.82
64		o-Xylene	40.000	37.016	7.5	83	0.00	11.27
65		Styrene	40.000	39.251	1.9	89	-0.02	11.32
66	P	Bromoform	40.000	40.094	-0.2	92	0.00	11.38
67		Isopropylbenzene	40.000	37.316	6.7	83	0.00	11.57

Continuing Calibration Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: VN2660-CC2625
Lab FileID: N0063049.D

			AvgRF	CCRF	%Dev			
68	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00	13.04
69	S	4-Bromofluorobenzene	0.818	0.796	2.7	96	-0.01	11.89

			Amount	Calc.	%Drift			
70		n-Propylbenzene	40.000	36.436	8.9	87	-0.01	11.99
71		Bromobenzene	40.000	37.777	5.6	91	0.00	12.02
72	P	1,1,2,2-Tetrachloroethane	40.000	34.511	13.7	84	-0.01	12.06
73		1,3,5-Trimethylbenzene	40.000	35.745	10.6	84	-0.01	12.17
74		2-Chlorotoluene	40.000	35.839	10.4	85	0.00	12.18
75		trans-1,4-Dichloro-2-Bute	40.000	31.698	20.8#	76	0.00	12.25
76		1,2,3-Trichloropropane	40.000	37.180	7.1	88	-0.02	12.22
77		Cyclohexanone	200.000	153.947	23.0#	74	0.00	12.29
78		4-Chlorotoluene	40.000	37.485	6.3	90	0.00	12.35
79		tert-Butylbenzene	40.000	35.576	11.1	84	0.00	12.52
80		1,2,4-Trimethylbenzene	40.000	36.493	8.8	87	-0.01	12.58
81		sec-Butylbenzene	40.000	35.194	12.0	84	-0.01	12.70
82		4-Isopropyltoluene	40.000	36.894	7.8	88	-0.01	12.83
83		1,3-Dichlorobenzene	40.000	37.816	5.5	91	-0.01	12.97
84		1,4-Dichlorobenzene	40.000	37.416	6.5	91	0.00	13.06
85		n-Butylbenzene	40.000	37.635	5.9	90	-0.01	13.27
86		Benzyl Chloride	40.000	40.027	-0.1	99	0.00	13.29
87		1,2-Dichlorobenzene	40.000	37.121	7.2	89	-0.01	13.49
88		1,2-Dibromo-3-Chloropropa	40.000	36.512	8.7	91	-0.01	14.24
89		Hexachlorobutadiene	40.000	39.458	1.4	93	-0.01	14.78
90		1,2,4-Trichlorobenzene	40.000	36.743	8.1	88	0.00	14.83
91		Naphthalene	40.000	34.313	14.2	83	-0.01	15.11
92		1,2,3-Trichlorobenzene	40.000	35.433	11.4	85	-0.01	15.28

			AvgRF	CCRF	%Dev			
93	I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	83	-0.01	5.15
94		acrolein	0.482	1.336	-177.2#	250#	-0.01	4.62

			Amount	Calc.	%Drift			
95		Tert Butyl Alcohol	400.000	392.529	1.9	82	0.00	5.23
96		tert Amyl alcohol	400.000	393.276	1.7	82	-0.02	7.40
97		1,4-Dioxane	800.000	771.017	3.6	77	0.00	8.51

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N0062458.D 8260nnew.m Fri Oct 12 08:57:28 2012

6.7.4

6

Continuing Calibration Summary

Job Number: F97758 **Sample:** VN2661-CC2625
Account: URSNCM URS Corporation **Lab FileID:** N0063079.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Evaluate Continuing Calibration Report

```
Data File : C:\MSDchem\2\DATA\101512\N0063079.D          Vial: 1
Acq On    : 15 Oct 2012  11:23 am                     Operator: rayb
Sample    : cc2625-4                                  Inst    : MSVOA8
Misc      : MS22375,VN2661,,,,,                       Multiplr: 1.00
MS Integration Params: Tiny.p

Method       : C:\MSDchem\2\METHODS\8260nnew.m (RTE Integrator)
Title        : SW-846 Method 5030B/8260B & EPA 624
Last Update  : Wed Sep 19 09:48:18 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	85	-0.01	7.58
	----------	Amount	Calc.	%Drift		----------	
2	Dichlorodifluoromethane	40.000	45.780	-14.5	98	-0.01	2.64
3 P	Chloromethane	40.000	38.086	4.8	81	0.03	2.87
	----------	AvgRF	CCRF	%Dev		----------	
4 C	Vinyl Chloride	0.284	0.306	-7.7	96	0.02	3.01
	----------	Amount	Calc.	%Drift		----------	
5	Bromomethane	40.000	42.718	-6.8	89	0.02	3.40
6	Chloroethane	40.000	41.490	-3.7	86	0.01	3.53
7	Trichlorofluoromethane	40.000	46.284	-15.7	97	0.01	3.74
	----------	AvgRF	CCRF	%Dev		----------	
8	Ethyl Ether	0.221	0.242	-9.5	96	0.00	4.00
	----------	Amount	Calc.	%Drift		----------	
9	1,2-Dichlorotrifluoroetha	40.000	41.142	-2.9	87	0.00	4.25
10 C	1,1-Dichloroethene	40.000	40.122	-0.3	85	-0.03	4.27
11	Freon 113	40.000	43.545	-8.9	91	0.00	4.33
12	Carbon Disulfide	40.000	41.239	-3.1	87	0.00	4.35
13	Iodomethane	40.000	42.808	-7.0	90	0.00	4.47
14	Methylene Chloride	40.000	35.539	11.2	76	-0.02	4.90
15	Acetone	200.000	192.512	3.7	83	-0.02	4.93
16	Methyl acetate	200.000	199.509	0.2	85	0.00	5.04
17	trans-1,2-Dichloroethene	40.000	39.030	2.4	83	-0.01	5.07
18	Hexane	40.000	38.623	3.4	82	0.00	5.12
19	Methyl Tert Butyl Ether	40.000	42.493	-6.2	91	0.00	5.18
20	Di-isopropyl ether	40.000	37.078	7.3	79	-0.02	5.54
21 P	1,1-Dichloroethane	40.000	38.539	3.7	81	0.00	5.73
	----------	AvgRF	CCRF	%Dev		----------	
22	Acrylonitrile	0.101	0.101	0.0	77	0.00	5.77
	----------	Amount	Calc.	%Drift		----------	
23	ETBE	40.000	40.376	-0.9	86	0.00	5.93
	----------	AvgRF	CCRF	%Dev		----------	
24	Vinyl acetate	0.299	0.453	-51.5#	116	-0.02	5.94
	----------	Amount	Calc.	%Drift		----------	

Continuing Calibration Summary

Job Number: F97758 **Sample:** VN2661-CC2625
Account: URSNCM URS Corporation **Lab FileID:** N0063079.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

25		cis-1,2-Dichloroethene	40.000	39.661	0.8	82	-0.01	6.30
26		2,2-Dichloropropane	40.000	46.029	-15.1	95	-0.02	6.42
27		Bromochloromethane	40.000	41.749	-4.4	88	0.00	6.51
28		Cyclohexane	40.000	38.981	2.5	82	-0.02	6.53
29	C	Chloroform	40.000	40.526	-1.3	85	-0.02	6.56
30		Tetrahydrofuran	40.000	34.844	12.9	77	0.00	6.74
		----------	AvgRF	CCRF	%Dev	----------		
31	S	Dibromofluoromethane	0.272	0.288	-5.9	90	-0.01	6.75
		----------	Amount	Calc.	%Drift	----------		
32		Carbon Tetrachloride	40.000	45.741	-14.4	97	0.00	6.74
33		1,1,1-Trichloroethane	40.000	43.596	-9.0	92	-0.01	6.81
34		2-Butanone	200.000	180.230	9.9	78	-0.02	6.86
35		1,1-Dichloropropene	40.000	39.004	2.5	82	-0.02	6.91
36		Benzene	40.000	37.632	5.9	80	-0.02	7.17
37		TAME	40.000	42.313	-5.8	90	-0.01	7.25
		----------	AvgRF	CCRF	%Dev	----------		
38	S	1,2-Dichloroethane-d4	0.300	0.310	-3.3	89	-0.02	7.30
		----------	Amount	Calc.	%Drift	----------		
39		1,2-Dichloroethane	40.000	39.153	2.1	84	-0.02	7.37
40		Trichloroethene	40.000	39.751	0.6	84	-0.01	7.75
41		Methylcyclohexane	40.000	41.707	-4.3	88	-0.01	7.75
42		Dibromomethane	40.000	39.335	1.7	84	-0.01	8.18
		----------	AvgRF	CCRF	%Dev	----------		
43	C	1,2-Dichloropropane	0.250	0.238	4.8	77	-0.02	8.27
		----------	Amount	Calc.	%Drift	----------		
44		Bromodichloromethane	40.000	40.148	-0.4	85	-0.01	8.32
45		2-Chloroethyl vinyl ether	200.000	190.763	4.6	82	0.00	8.84
46		cis-1,3-Dichloropropene	40.000	39.332	1.7	83	0.00	8.94
		----------	AvgRF	CCRF	%Dev	----------		
47	I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00	10.67
48	S	Toluene-d8	1.254	1.239	1.2	87	0.00	9.12
		----------	Amount	Calc.	%Drift	----------		
49	C	Toluene	40.000	37.244	6.9	82	0.00	9.18
50		2-Nitropropane	200.000	198.967	0.5	88	0.00	9.40
51		4-Methyl-2-pentanone	200.000	175.268	12.4	77	-0.02	9.51
52		trans-1,3-Dichloropropene	40.000	38.665	3.3	86	0.00	9.57
53		Tetrachloroethene	40.000	40.057	-0.1	88	-0.01	9.57
54		1,1,2-Trichloroethane	40.000	36.983	7.5	81	-0.02	9.73
55		Dibromochloromethane	40.000	40.108	-0.3	88	-0.02	9.93
56		1,3-Dichloropropane	40.000	37.069	7.3	82	-0.02	10.01
57		1,2-Dibromoethane	40.000	39.187	2.0	87	-0.02	10.19
58		2-hexanone	200.000	183.693	8.2	81	-0.02	10.33
59		1-Chlorohexane	40.000	40.437	-1.1	88	0.00	10.62
60	C	Ethylbenzene	40.000	38.279	4.3	84	0.00	10.69
61	P	Chlorobenzene	40.000	37.898	5.3	83	0.00	10.69
62		1,1,1,2-Tetrachloroethane	40.000	39.382	1.5	86	0.00	10.74
63		m,p-Xylene	80.000	77.047	3.7	84	0.00	10.82
64		o-Xylene	40.000	38.195	4.5	83	0.00	11.27
65		Styrene	40.000	39.200	2.0	86	-0.03	11.32
66	P	Bromoform	40.000	41.964	-4.9	93	0.00	11.38
67		Isopropylbenzene	40.000	38.467	3.8	83	0.00	11.57

Continuing Calibration Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: VN2661-CC2625
Lab FileID: N0063079.D

			AvgRF	CCRF	%Dev			
68	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00	13.04
69	S	4-Bromofluorobenzene	0.818	0.784	4.2	94	-0.01	11.89

			Amount	Calc.	%Drift			
70		n-Propylbenzene	40.000	35.698	10.8	85	-0.01	11.99
71		Bromobenzene	40.000	36.513	8.7	88	-0.01	12.01
72	P	1,1,2,2-Tetrachloroethane	40.000	34.012	15.0	83	-0.01	12.06
73		1,3,5-Trimethylbenzene	40.000	35.510	11.2	84	-0.01	12.17
74		2-Chlorotoluene	40.000	35.230	11.9	84	0.00	12.18
75		trans-1,4-Dichloro-2-Bute	40.000	34.028	14.9	82	0.00	12.25
76		1,2,3-Trichloropropane	40.000	37.683	5.8	90	-0.02	12.22
77		Cyclohexanone	200.000	165.096	17.5	79	0.00	12.29
78		4-Chlorotoluene	40.000	36.038	9.9	87	0.00	12.35
79		tert-Butylbenzene	40.000	35.899	10.3	84	0.00	12.52
80		1,2,4-Trimethylbenzene	40.000	35.998	10.0	86	-0.01	12.58
81		sec-Butylbenzene	40.000	35.293	11.8	84	-0.01	12.70
82		4-Isopropyltoluene	40.000	36.150	9.6	86	-0.01	12.83
83		1,3-Dichlorobenzene	40.000	37.526	6.2	91	-0.01	12.97
84		1,4-Dichlorobenzene	40.000	37.262	6.8	91	0.00	13.06
85		n-Butylbenzene	40.000	37.219	7.0	89	-0.01	13.27
86		Benzyl Chloride	40.000	41.519	-3.8	103	0.00	13.29
87		1,2-Dichlorobenzene	40.000	37.526	6.2	90	-0.01	13.49
88		1,2-Dibromo-3-Chloropropa	40.000	37.278	6.8	92	-0.01	14.24
89		Hexachlorobutadiene	40.000	40.070	-0.2	95	-0.01	14.78
90		1,2,4-Trichlorobenzene	40.000	37.632	5.9	90	-0.01	14.83
91		Naphthalene	40.000	35.942	10.1	87	-0.01	15.11
92		1,2,3-Trichlorobenzene	40.000	36.370	9.1	87	-0.01	15.28

			AvgRF	CCRF	%Dev			
93	I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	88	0.00	5.15
94		acrolein	0.482	0.999	-107.3#	199	0.00	4.63

			Amount	Calc.	%Drift			
95		Tert Butyl Alcohol	400.000	406.527	-1.6	91	0.00	5.23
96		tert Amyl alcohol	400.000	412.709	-3.2	92	-0.01	7.41
97		1,4-Dioxane	800.000	751.003	6.1	80	0.00	8.51

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N0062458.D 8260nnew.m Mon Oct 15 13:32:36 2012

6.7.5
6

Southeast ACCUTEST LABORATORIES

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GXY2437-MB	XY056923.D	1	10/12/12	SH	n/a	n/a	GXY2437

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

F97758-4, F97758-6

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.50	0.16	ug/l	
74-84-0	Ethane	ND	1.0	0.32	ug/l	
74-85-1	Ethene	ND	1.0	0.43	ug/l	

Blank Spike Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GXY2437-BS	XY056931.D	1	10/12/12	SH	n/a	n/a	GXY2437

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

F97758-4, F97758-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
74-82-8	Methane	108	120	111	54-149
74-84-0	Ethane	219	229	105	57-143
74-85-1	Ethene	290	302	104	57-143

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F97729-12MS	XY056942.D	1	10/12/12	SH	n/a	n/a	GXY2437
F97729-12 [a]	XY056927.D	1	10/12/12	SH	n/a	n/a	GXY2437

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

F97758-4, F97758-6

CAS No.	Compound	F97729-12 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
74-82-8	Methane	2.29		108	122	111	54-149
74-84-0	Ethane	1.0	U	219	229	105	57-143
74-85-1	Ethene	1.0	U	290	303	104	57-143

(a) Sample was not preserved to a pH < 2.

* = Outside of Control Limits.

Duplicate Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F97729-11DUP	XY056941.D	1	10/12/12	SH	n/a	n/a	GXY2437
F97729-11 [a]	XY056926.D	1	10/12/12	SH	n/a	n/a	GXY2437

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

F97758-4, F97758-6

CAS No.	Compound	F97729-11 ug/l	Q	DUP ug/l	Q	RPD	Limits
74-82-8	Methane	0.50 U		ND		nc	24
74-84-0	Ethane	1.0 U		ND		nc	23
74-85-1	Ethene	1.0 U		ND		nc	10

(a) Sample was not preserved to a pH < 2.

* = Outside of Control Limits.

Initial Calibration Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: GXY2387-ICC2387
Lab FileID: XY055681.D

```
                    Response Factor Report  VOA5

 Method       : C:\HPCHEM\2\METHODS\NEWRSK.M (Chemstation Integrator)
 Title        : Dissolved Gases in Water
 Last Update  : Tue Jul 24 15:47:56 2012
 Response via : Initial Calibration

 Calibration Files
 1   =XY055677.D  2   =XY055678.D  3   =XY055684.D  4   =XY055680.D
 5   =XY055681.D  6   =XY055685.D  7   =XY055686.D

    Compound             1     2     3     4     5     6     7     Avg   %RSD
 ---------------------------------------------------------------------------
 1)  Methane           7.253 7.262 6.034 7.180 6.942 7.170 7.763 7.087 E3   7.42
 2)  Acetylene         1.336 1.365 1.512 1.805 1.752 2.027 2.194 1.713 E4  19.11
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 18388.90208 *A + 0.35576 *A^2

 3)  Ethylene          1.013 1.281 1.148 1.348 1.320 1.367 1.483 1.280 E4  12.09
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9987
              Response Ratio = 0.00000 + 14580.25837 *A

 4)  Ethane            0.990 1.251 1.120 1.339 1.296 1.345 1.472 1.259 E4  12.66
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9984
              Response Ratio = 0.00000 + 14452.39538 *A

 5)  Propane           0.883 1.556 1.740 1.986 1.906 2.059 2.211 1.763 E4  25.12
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9989
              Response Ratio = 0.00000 + 21781.74098 *A

---------------------------------------------------------------------------
(#) = Out of Range

          NEWRSK.M          Wed Jul 25 11:12:42 2012
```

Initial Calibration Verification

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: GXY2387-ICV2387
Lab FileID: XY055688.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\072412\XY055688.D          Vial: 100
Acq On    : 24 Jul 2012   1:06 pm                   Operator: StevenH
Sample    : icv2387-1000                            Inst    : VOA5
Misc      : gc13895,gxy2387,,,,,                    Multiplr: 1.00
IntFile   : EVENTS.E

Method       : C:\HPCHEM\2\METHODS\NEWRSK.M (Chemstation Integrator)
Title        : Dissolved Gases in Water
Last Update  : Tue Jul 24 15:47:56 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methane	1000.000	1023.308	-2.3	104	0.00	0.76- 1.36
		Amount	Calc.	%Drift			
2	Acetylene	1000.000	1095.929	-9.6	117	-0.01	1.81- 2.41
3	Ethylene	1000.000	966.516	3.3	107	-0.02	2.22- 3.02
4	Ethane	1000.000	960.116	4.0	107	-0.02	2.77- 3.57
5	Propane	1000.000	852.465	14.8	97	-0.06	6.40- 7.20

(#) = Out of Range SPCC's out = 0 CCC's out = 0
XY055681.D NEWRSK.M Wed Jul 25 11:12:15 2012

7.5.2

7

Continuing Calibration Summary

Job Number: F97758 **Sample:** GXY2437-CC2387
Account: URSNCM URS Corporation **Lab FileID:** XY056921.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\101212\XY056921.D          Vial: 100
Acq On    : 12 Oct 2012   8:06 am                   Operator: StevenH
Sample    : cc2387-1000                             Inst    : VOA5
Misc      : gc14291,gxy2437,,,,,                    Multiplr: 1.00
IntFile   : EVENTS.E

Method       : C:\HPCHEM\2\METHODS\NEWRSK.M (Chemstation Integrator)
Title        : Dissolved Gases in Water
Last Update  : Thu Oct 11 15:01:53 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 150%

       Compound                Amount  Calc.    %Drift Area% Dev(min)RT Window
 ---------------------------------------------------------------------------
1     Methane                1000.000 1086.661     -8.7  111  -0.03    0.77- 1.37

          -------------------- Amount  Calc.    %Drift  --------------
2     Acetylene              1000.000 1068.567     -6.9  115  -0.02    1.86- 2.46
3     Ethylene               1000.000 1012.322     -1.2  112  -0.02    2.27- 3.08
4     Ethane                 1000.000 999.660      0.0  112  -0.02    2.83- 3.63
5     Propane                1000.000 989.868      1.0  113  -0.01    6.46- 7.26
---------------------------------------------------------------------------
---------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    XY055681.D NEWRSK.M         Sat Oct 13 09:55:44 2012
```

Continuing Calibration Summary

Job Number: F97758 **Sample:** GXY2437-CC2387
Account: URSNCM URS Corporation **Lab FileID:** XY056932.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\101212\XY056932.D          Vial: 100
Acq On    : 12 Oct 2012  10:55 am                   Operator: StevenH
Sample    : cc2387-500                              Inst    : VOA5
Misc      : gc14303,gxy2437,,,,,                    Multiplr: 1.00
IntFile   : EVENTS.E

Method       : C:\HPCHEM\2\METHODS\NEWRSK.M (Chemstation Integrator)
Title        : Dissolved Gases in Water
Last Update  : Thu Oct 11 15:01:53 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methane	500.000	550.422	-10.1	109	0.00	0.77- 1.37
		Amount	Calc.	%Drift			
2	Acetylene	500.000	539.619	-7.9	111	0.00	1.86- 2.46
3	Ethylene	500.000	512.765	-2.6	111	0.00	2.27- 3.08
4	Ethane	500.000	507.064	-1.4	109	0.00	2.83- 3.63
5	Propane	500.000	505.595	-1.1	111	-0.02	6.46- 7.26

(#) = Out of Range SPCC's out = 0 CCC's out = 0
XY055680.D NEWRSK.M Sat Oct 13 09:56:10 2012

7.5.4

7

Continuing Calibration Summary

Job Number: F97758 **Sample:** GXY2437-CC2387
Account: URSNCM URS Corporation **Lab FileID:** XY056943.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\101212\XY056943.D          Vial: 100
Acq On    : 12 Oct 2012   2:14 pm                   Operator: StevenH
Sample    : cc2387-1000                             Inst    : VOA5
Misc      : gc14303,gxy2437,,,,,                    Multiplr: 1.00
IntFile   : EVENTS.E

Method       : C:\HPCHEM\2\METHODS\NEWRSK.M (Chemstation Integrator)
Title        : Dissolved Gases in Water
Last Update  : Thu Oct 11 15:01:53 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methane	1000.000	1096.396	-9.6	112	0.00	0.77- 1.37

		Amount	Calc.	%Drift			
2	Acetylene	1000.000	1076.512	-7.7	115	-0.02	1.86- 2.46
3	Ethylene	1000.000	1021.066	-2.1	113	-0.01	2.27- 3.08
4	Ethane	1000.000	1010.063	-1.0	113	-0.01	2.83- 3.63
5	Propane	1000.000	998.191	0.2	114	-0.02	6.46- 7.26

(#) = Out of Range SPCC's out = 0 CCC's out = 0
XY055681.D NEWRSK.M Sat Oct 13 09:55:45 2012

7.5.5

7

Continuing Calibration Summary

Job Number: F97758
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: GXY2437-ECC2387
Lab FileID: XY056951.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\101212\XY056951.D          Vial: 100
Acq On    : 12 Oct 2012   4:10 pm                   Operator: StevenH
Sample    : ecc2387-1000                            Inst    : VOA5
Misc      : gc14303,gxy2437,,,,,                    Multiplr: 1.00
IntFile   : EVENTS.E

Method       : C:\HPCHEM\2\METHODS\NEWRSK.M (Chemstation Integrator)
Title        : Dissolved Gases in Water
Last Update  : Thu Oct 11 15:01:53 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Methane	1000.000	1052.027	-5.2	107	-0.03	0.77- 1.37
		Amount	Calc.	%Drift			
2	Acetylene	1000.000	1033.882	-3.4	111	-0.05	1.86- 2.46
3	Ethylene	1000.000	981.201	1.9	108	-0.04	2.27- 3.08
4	Ethane	1000.000	968.029	3.2	108	-0.04	2.83- 3.63
5	Propane	1000.000	970.756	2.9	111	-0.02	6.46- 7.26

(#) = Out of Range SPCC's out = 0 CCC's out = 0
XY055681.D NEWRSK.M Sat Oct 13 09:55:45 2012

7.5.6

7

Southeast ACCUTEST LABORATORIES

10/23/12

Technical Report for

URS Corporation

Hamilton Beach: 234 Springs Rd, Washington, NC

31828403.00001

Accutest Job Number: F97802

Sampling Date: 10/09/12

Report to:

URS Corporation

martha.meyers-lee@urs.com

ATTN: Martha Meyers

Total number of pages in report: **139**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), AK, AR, GA, KY, MA, NV, OK, UT, VA, WA, WI

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

Accutest Laboratories is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited.

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **6**
Section 4: Sample Results **9**
4.1: F97802-1: NW-G-12 10
4.2: F97802-2: NW-E-9 11
4.3: F97802-3: NW-D-9 13
4.4: F97802-4: MW-227 15
4.5: F97802-5: MW-GAW2 17
4.6: F97802-6: MW-GAW12 19
4.7: F97802-7: MW-ERH2 20
4.8: F97802-8: NW-R-14 23
Section 5: Misc. Forms **24**
5.1: Chain of Custody 25
5.2: Analyst Legend 27
Section 6: GC/MS Volatiles - QC Data Summaries **28**
6.1: Method Blank Summary 29
6.2: Blank Spike Summary 30
6.3: Matrix Spike/Matrix Spike Duplicate Summary 31
6.4: Instrument Performance Checks (BFB) 32
6.5: Internal Standard Area Summaries 35
6.6: Surrogate Recovery Summaries 37
6.7: Initial and Continuing Calibration Summaries 38
Section 7: GC/MS Semi-volatiles - QC Data Summaries **51**
7.1: Method Blank Summary 52
7.2: Blank Spike Summary 55
7.3: Matrix Spike/Matrix Spike Duplicate Summary 57
7.4: Instrument Performance Checks (DFTPP) 58
7.5: Internal Standard Area Summaries 69
7.6: Surrogate Recovery Summaries 73
7.7: Initial and Continuing Calibration Summaries 74
Section 8: GC Volatiles - QC Data Summaries **122**
8.1: Method Blank Summary 123
8.2: Blank Spike Summary 125
8.3: Matrix Spike Summary 127
8.4: Duplicate Summary 129
8.5: Initial and Continuing Calibration Summaries 131

Accutest LabLink@17:36 23-Oct-2012

Sample Summary

URS Corporation

Job No: F97802

Hamilton Beach: 234 Springs Rd, Washington, NC
Project No: 31828403.00001

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F97802-1	10/09/12	08:30	MM	10/10/12	AQ	Ground Water	NW-G-12
F97802-2	10/09/12	08:50	MM	10/10/12	AQ	Ground Water	NW-E-9
F97802-3	10/09/12	09:15	MM	10/10/12	AQ	Ground Water	NW-D-9
F97802-4	10/09/12	10:15	MM	10/10/12	AQ	Ground Water	MW-227
F97802-5	10/09/12	10:40	MM	10/10/12	AQ	Ground Water	MW-GAW2
F97802-6	10/09/12	10:50	MM	10/10/12	AQ	Ground Water	MW-GAW12
F97802-7	10/09/12	11:15	MM	10/10/12	AQ	Ground Water	MW-ERH2
F97802-8	10/09/12	11:50	MM	10/10/12	AQ	Ground Water	NW-R-14

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: URS Corporation **Job** F97802

Site: Hamilton Beach: 234 Springs Rd, Washington, NC **Report Date** 10/23/2012 1:59:38 PM

8 Sample(s) were collected on 10/09/2012 and were received at Accutest SE on 10/10/2012 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of F97802. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VN2660

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F97802-1MS, F97802-1MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for Chloroethane, 1,1-Dichloroethylene, cis-1,2-Dichloroethylene,Vinyl chloride are outside control limits. Outside control limits due to high level in sample relative to spike amount. For method performance in a clean matrix, refer to Blank Spike.

Matrix Spike Duplicate Recovery(s) for Chloroethane, cis-1,2-Dichloroethylene,Vinyl chloride are outside control limits. Outside control limits due to high level in sample relative to spike amount. For method performance in a clean matrix, refer to Blank Spike.

RPD(s) for MSD for p-Isopropyltoluene are outside control limits for sample F97802-1MSD. Probable cause is due to sample non-homogeneity.

F97802-1: Sample was not preserved to a pH < 2.

F97802-2: Sample was not preserved to a pH < 2.

F97802-3: Sample was not preserved to a pH < 2.

F97802-4: Sample was not preserved to a pH < 2.

F97802-5: Sample was not preserved to a pH < 2.

F97802-6: Sample was not preserved to a pH < 2.

F97802-7: Sample was not preserved to a pH < 2.

F97802-8: Sample was not preserved to a pH < 2.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ **Batch ID:** OP43967

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F97806-3MS, F97806-3MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for 2-Methylnaphthalene are outside control limits. Recovery biased high, but sample was ND for 2-Methylnaphthalene.

Matrix Spike Recovery(s) for 2-Methylnaphthalene are outside control limits. Probable cause is due to matrix interference.

Sample(s) OP43967-MS, OP43967-MSD have surrogates outside control limits. Probable cause is due to matrix interference.

F97802-5 for 2-Methylnaphthalene: Associated BS recovery outside control limits.

Volatiles by GC By Method RSKSOP-147/175

Matrix: AQ **Batch ID:** GFF680

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F97755-3DUP, F97755-3MS were used as the QC samples indicated.
RPD(s) for Duplicate for Methane are outside control limits for sample F97755-3DUP. RPD acceptable due to low duplicate and sample concentrations.

F97802-2: Sample was not preserved to a pH < 2.

F97802-3: Sample was not preserved to a pH < 2.

F97802-4: Sample was not preserved to a pH < 2.

F97802-7: Sample was not preserved to a pH < 2.

Matrix: AQ **Batch ID:** GFF681

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F97660-12DUP, F97660-14MS were used as the QC samples indicated.

F97802-2: Sample was not preserved to a pH < 2.

F97802-3: Sample was not preserved to a pH < 2.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

_____ Date: October 23, 2012

Kim Benham, Client Services (signature on file)

Summary of Hits

Job Number: F97802
Account: URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Collected: 10/09/12

3

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
F97802-1	**NW-G-12**					
Benzene [a]		20.6	5.0	1.1	ug/l	SW846 8260B
Chloroethane [a]		417	10	2.5	ug/l	SW846 8260B
1,1-Dichloroethane [a]		358	5.0	1.1	ug/l	SW846 8260B
1,1-Dichloroethylene [a]		355	5.0	1.0	ug/l	SW846 8260B
1,2-Dichloroethane [a]		21.6	5.0	1.1	ug/l	SW846 8260B
cis-1,2-Dichloroethylene [a]		448	10	2.4	ug/l	SW846 8260B
trans-1,2-Dichloroethylene [a]		44.3	5.0	1.1	ug/l	SW846 8260B
Ethylbenzene [a]		17.0	5.0	1.5	ug/l	SW846 8260B
Naphthalene [a]		54.2	25	5.0	ug/l	SW846 8260B
n-Propylbenzene [a]		5.4	5.0	1.1	ug/l	SW846 8260B
1,2,4-Trimethylbenzene [a]		55.7	10	1.0	ug/l	SW846 8260B
Toluene [a]		14.8	5.0	1.0	ug/l	SW846 8260B
Vinyl chloride [a]		554	10	4.4	ug/l	SW846 8260B
m,p-Xylene [a]		21.2	10	1.5	ug/l	SW846 8260B
o-Xylene [a]		24.8	5.0	1.0	ug/l	SW846 8260B
F97802-2	**NW-E-9**					
Chloroethane [a]		57.8	20	5.0	ug/l	SW846 8260B
1,1-Dichloroethane [a]		33.8	1.0	0.21	ug/l	SW846 8260B
trans-1,2-Dichloroethylene [a]		58.2	1.0	0.23	ug/l	SW846 8260B
Toluene [a]		0.54 J	1.0	0.20	ug/l	SW846 8260B
Vinyl chloride [a]		0.77 J	1.0	0.44	ug/l	SW846 8260B
Methane [a]		14900	10	3.2	ug/l	RSKSOP-147/175
Ethane [a]		936	1.0	0.32	ug/l	RSKSOP-147/175
Ethene [a]		704	1.0	0.43	ug/l	RSKSOP-147/175
F97802-3	**NW-D-9**					
1,1-Dichloroethane [a]		882	100	21	ug/l	SW846 8260B
1,1-Dichloroethylene [a]		1090	100	20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene [a]		91900	1000	240	ug/l	SW846 8260B
trans-1,2-Dichloroethylene [a]		527	100	23	ug/l	SW846 8260B
Tetrachloroethylene [a]		267	100	32	ug/l	SW846 8260B
Trichloroethylene [a]		2840	100	31	ug/l	SW846 8260B
Vinyl chloride [a]		3980	100	44	ug/l	SW846 8260B
Methane [a]		7850	5.0	1.6	ug/l	RSKSOP-147/175
Ethane [a]		61.2	1.0	0.32	ug/l	RSKSOP-147/175
Ethene [a]		289	1.0	0.43	ug/l	RSKSOP-147/175
F97802-4	**MW-227**					
Benzene [a]		3.0	1.0	0.21	ug/l	SW846 8260B

Summary of Hits

Job Number: F97802
Account: URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Collected: 10/09/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chloroethane [a]		48.0	2.0	0.50	ug/l	SW846 8260B
1,2-Dichloroethane [a]		0.49 J	1.0	0.22	ug/l	SW846 8260B
trans-1,2-Dichloroethylene [a]		0.63 J	1.0	0.23	ug/l	SW846 8260B
Ethylbenzene [a]		6.3	1.0	0.29	ug/l	SW846 8260B
Naphthalene [a]		10.2	5.0	1.0	ug/l	SW846 8260B
n-Propylbenzene [a]		0.88 J	1.0	0.23	ug/l	SW846 8260B
1,2,4-Trimethylbenzene [a]		7.9	2.0	0.20	ug/l	SW846 8260B
Toluene [a]		1.9	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene [a]		1.6 J	2.0	0.30	ug/l	SW846 8260B
o-Xylene [a]		2.2	1.0	0.20	ug/l	SW846 8260B
F97802-5	**MW-GAW2**					
Benzene [a]		0.43 J	1.0	0.21	ug/l	SW846 8260B
Chloroethane [a]		6.5	2.0	0.50	ug/l	SW846 8260B
1,1-Dichloroethane [a]		34.3	1.0	0.21	ug/l	SW846 8260B
1,1-Dichloroethylene [a]		4.8	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene [a]		3.0	1.0	0.24	ug/l	SW846 8260B
Naphthalene [a]		1.8 J	5.0	1.0	ug/l	SW846 8260B
1,2,4-Trimethylbenzene [a]		0.77 J	2.0	0.20	ug/l	SW846 8260B
Toluene [a]		0.45 J	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene [a]		1.1	1.0	0.31	ug/l	SW846 8260B
Vinyl chloride [a]		16.8	1.0	0.44	ug/l	SW846 8260B
o-Xylene [a]		1.3	1.0	0.20	ug/l	SW846 8260B
F97802-6	**MW-GAW12**					
Benzene [a]		0.48 J	1.0	0.21	ug/l	SW846 8260B
Chloroethane [a]		6.7	2.0	0.50	ug/l	SW846 8260B
1,1-Dichloroethane [a]		39.2	1.0	0.21	ug/l	SW846 8260B
1,1-Dichloroethylene [a]		7.8	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene [a]		4.7	1.0	0.24	ug/l	SW846 8260B
Naphthalene [a]		1.1 J	5.0	1.0	ug/l	SW846 8260B
1,2,4-Trimethylbenzene [a]		0.73 J	2.0	0.20	ug/l	SW846 8260B
Toluene [a]		0.48 J	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene [a]		1.4	1.0	0.31	ug/l	SW846 8260B
Vinyl chloride [a]		23.2	1.0	0.44	ug/l	SW846 8260B
o-Xylene [a]		1.6	1.0	0.20	ug/l	SW846 8260B
F97802-7	**MW-ERH2**					
Chloroethane [a]		382	200	50	ug/l	SW846 8260B
1,1-Dichloroethane [a]		890	100	21	ug/l	SW846 8260B
1,1-Dichloroethylene [a]		2820	100	20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene [a]		3150	100	24	ug/l	SW846 8260B

Summary of Hits

Job Number: F97802
Account: URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Collected: 10/09/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Toluene [a]		450	100	20	ug/l	SW846 8260B
Vinyl chloride [a]		5100	100	44	ug/l	SW846 8260B
3&4-Methylphenol		12.8 J	19	5.4	ug/l	SW846 8270D
2-Methylnaphthalene		2.3 J	4.9	0.67	ug/l	SW846 8270D
F97802-8	**NW-R-14**					
Benzene [a]		18.4 J	50	11	ug/l	SW846 8260B
Chloroethane [a]		1250	100	25	ug/l	SW846 8260B
1,1-Dichloroethane [a]		1500	50	11	ug/l	SW846 8260B
1,1-Dichloroethylene [a]		3740	50	10	ug/l	SW846 8260B
1,2-Dichloroethane [a]		74.2	50	11	ug/l	SW846 8260B
cis-1,2-Dichloroethylene [a]		2760	50	12	ug/l	SW846 8260B
1,2,4-Trimethylbenzene [a]		13.0 J	100	10	ug/l	SW846 8260B
Toluene [a]		143	50	10	ug/l	SW846 8260B
Vinyl chloride [a]		524	50	22	ug/l	SW846 8260B
m,p-Xylene [a]		67.0 J	100	15	ug/l	SW846 8260B
o-Xylene [a]		55.9	50	10	ug/l	SW846 8260B

(a) Sample was not preserved to a pH < 2.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	NW-G-12		
Lab Sample ID:	F97802-1	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063059.D	5	10/12/12	RB	n/a	n/a	VN2660
Run #2 [a]	N0063064.D	10	10/12/12	RB	n/a	n/a	VN2660

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	20.6	5.0	1.1	ug/l	
75-00-3	Chloroethane	417	10	2.5	ug/l	
67-66-3	Chloroform	ND	5.0	1.3	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.6	ug/l	
75-34-3	1,1-Dichloroethane	358	5.0	1.1	ug/l	
75-35-4	1,1-Dichloroethylene	355	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	21.6	5.0	1.1	ug/l	
156-59-2	cis-1,2-Dichloroethylene	448 [b]	10	2.4	ug/l	
156-60-5	trans-1,2-Dichloroethylene	44.3	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	17.0	5.0	1.5	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	54.2	25	5.0	ug/l	
103-65-1	n-Propylbenzene	5.4	5.0	1.1	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	55.7	10	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	1.6	ug/l	
108-88-3	Toluene	14.8	5.0	1.0	ug/l	
79-01-6	Trichloroethylene	ND	5.0	1.6	ug/l	
75-01-4	Vinyl chloride	554 [b]	10	4.4	ug/l	
	m,p-Xylene	21.2	10	1.5	ug/l	
95-47-6	o-Xylene	24.8	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%	109%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	108%	76-127%
2037-26-5	Toluene-D8	96%	98%	86-112%
460-00-4	4-Bromofluorobenzene	96%	96%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NW-E-9		
Lab Sample ID:	F97802-2	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063065.D	1	10/12/12	RB	n/a	n/a	VN2660
Run #2 [a]	N0063060.D	10	10/12/12	RB	n/a	n/a	VN2660

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.21	ug/l	
75-00-3	Chloroethane	57.8 [b]	20	5.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	33.8	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	58.2	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	0.54	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	0.77	1.0	0.44	ug/l	J
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%	105%	87-116%
17060-07-0	1,2-Dichloroethane-D4	111%	105%	76-127%
2037-26-5	Toluene-D8	98%	98%	86-112%
460-00-4	4-Bromofluorobenzene	99%	100%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NW-E-9		
Lab Sample ID:	F97802-2	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	FF16357.D	1	10/12/12	CP	n/a	n/a	GFF680
Run #2 [a]	FF16383.D	20	10/15/12	CP	n/a	n/a	GFF681

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	14900 [b]	10	3.2	ug/l	
74-84-0	Ethane	936	1.0	0.32	ug/l	
74-85-1	Ethene	704	1.0	0.43	ug/l	

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NW-D-9		
Lab Sample ID:	F97802-3	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063061.D	100	10/12/12	RB	n/a	n/a	VN2660
Run #2 [a]	N0063066.D	1000	10/12/12	RB	n/a	n/a	VN2660

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	100	21	ug/l	
75-00-3	Chloroethane	ND	200	50	ug/l	
67-66-3	Chloroform	ND	100	26	ug/l	
56-23-5	Carbon tetrachloride	ND	100	31	ug/l	
75-34-3	1,1-Dichloroethane	882	100	21	ug/l	
75-35-4	1,1-Dichloroethylene	1090	100	20	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	91900 [b]	1000	240	ug/l	
156-60-5	trans-1,2-Dichloroethylene	527	100	23	ug/l	
100-41-4	Ethylbenzene	ND	100	29	ug/l	
99-87-6	p-Isopropyltoluene	ND	100	20	ug/l	
91-20-3	Naphthalene	ND	500	100	ug/l	
103-65-1	n-Propylbenzene	ND	100	23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	200	20	ug/l	
127-18-4	Tetrachloroethylene	267	100	32	ug/l	
108-88-3	Toluene	ND	100	20	ug/l	
79-01-6	Trichloroethylene	2840	100	31	ug/l	
75-01-4	Vinyl chloride	3980	100	44	ug/l	
	m,p-Xylene	ND	200	30	ug/l	
95-47-6	o-Xylene	ND	100	20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%	110%	87-116%
17060-07-0	1,2-Dichloroethane-D4	106%	111%	76-127%
2037-26-5	Toluene-D8	98%	97%	86-112%
460-00-4	4-Bromofluorobenzene	98%	97%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NW-D-9		
Lab Sample ID:	F97802-3	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	FF16358.D	1	10/12/12	CP	n/a	n/a	GFF680
Run #2 [a]	FF16384.D	10	10/15/12	CP	n/a	n/a	GFF681

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	7850 [b]	5.0	1.6	ug/l	
74-84-0	Ethane	61.2	1.0	0.32	ug/l	
74-85-1	Ethene	289	1.0	0.43	ug/l	

(a) Sample was not preserved to a pH < 2.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-227		
Lab Sample ID:	F97802-4	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063056.D	1	10/12/12	RB	n/a	n/a	VN2660
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	3.0	1.0	0.21	ug/l	
75-00-3	Chloroethane	48.0	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.49	1.0	0.22	ug/l	J
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.63	1.0	0.23	ug/l	J
100-41-4	Ethylbenzene	6.3	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	10.2	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.88	1.0	0.23	ug/l	J
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	7.9	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	1.9	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	1.6	2.0	0.30	ug/l	J
95-47-6	o-Xylene	2.2	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-227		
Lab Sample ID:	F97802-4	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	FF16361.D	1	10/12/12	CP	n/a	n/a	GFF680
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.50	0.16	ug/l	U
74-84-0	Ethane	ND	1.0	0.32	ug/l	U
74-85-1	Ethene	ND	1.0	0.43	ug/l	U

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-GAW2		
Lab Sample ID:	F97802-5	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063057.D	1	10/12/12	RB	n/a	n/a	VN2660
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.43	1.0	0.21	ug/l	J
75-00-3	Chloroethane	6.5	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	34.3	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	4.8	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	3.0	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	1.8	5.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.77	2.0	0.20	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	0.45	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	1.1	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	16.8	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	1.3	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		87-116%
17060-07-0	1,2-Dichloroethane-D4	106%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-GAW2		
Lab Sample ID:	F97802-5	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X025979.D	1	10/12/12	FS	10/12/12	OP43967	SX1253
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
	3&4-Methylphenol	ND	4.8	1.3	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	1.1	ug/l	
91-57-6	2-Methylnaphthalene [a]	ND	4.8	0.66	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		14-62%
4165-62-2	Phenol-d5	26%		10-40%
118-79-6	2,4,6-Tribromophenol	90%		33-118%
4165-60-0	Nitrobenzene-d5	70%		42-108%
321-60-8	2-Fluorobiphenyl	73%		40-106%
1718-51-0	Terphenyl-d14	86%		39-121%

(a) Associated BS recovery outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-GAW12		
Lab Sample ID:	F97802-6	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063058.D	1	10/12/12	RB	n/a	n/a	VN2660
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.48	1.0	0.21	ug/l	J
75-00-3	Chloroethane	6.7	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	39.2	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	7.8	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	4.7	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	1.1	5.0	1.0	ug/l	J
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.73	2.0	0.20	ug/l	J
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	0.48	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	1.4	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	23.2	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	1.6	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		87-116%
17060-07-0	1,2-Dichloroethane-D4	107%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-ERH2		
Lab Sample ID:	F97802-7	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063062.D	100	10/12/12	RB	n/a	n/a	VN2660
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	100	21	ug/l	
75-00-3	Chloroethane	382	200	50	ug/l	
67-66-3	Chloroform	ND	100	26	ug/l	
56-23-5	Carbon tetrachloride	ND	100	31	ug/l	
75-34-3	1,1-Dichloroethane	890	100	21	ug/l	
75-35-4	1,1-Dichloroethylene	2820	100	20	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	3150	100	24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	23	ug/l	
100-41-4	Ethylbenzene	ND	100	29	ug/l	
99-87-6	p-Isopropyltoluene	ND	100	20	ug/l	
91-20-3	Naphthalene	ND	500	100	ug/l	
103-65-1	n-Propylbenzene	ND	100	23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	200	20	ug/l	
127-18-4	Tetrachloroethylene	ND	100	32	ug/l	
108-88-3	Toluene	450	100	20	ug/l	
79-01-6	Trichloroethylene	ND	100	31	ug/l	
75-01-4	Vinyl chloride	5100	100	44	ug/l	
	m,p-Xylene	ND	200	30	ug/l	
95-47-6	o-Xylene	ND	100	20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		87-116%
17060-07-0	1,2-Dichloroethane-D4	108%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	98%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-ERH2		
Lab Sample ID:	F97802-7	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X026031.D	1	10/19/12	FS	10/12/12	OP43967	SX1258
Run #2	X025980.D	4	10/12/12	FS	10/12/12	OP43967	SX1253

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2	1030 ml	1.0 ml

ABN Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
	3&4-Methylphenol	12.8 [a]	19	5.4	ug/l	J
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.9	1.1	ug/l	
91-57-6	2-Methylnaphthalene	2.3	4.9	0.67	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%	24%	14-62%
4165-62-2	Phenol-d5	26%	16%	10-40%
118-79-6	2,4,6-Tribromophenol	85%	49%	33-118%
4165-60-0	Nitrobenzene-d5	73%	45%	42-108%
321-60-8	2-Fluorobiphenyl	72%	44%	40-106%
1718-51-0	Terphenyl-d14	78%	44%	39-121%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-ERH2		
Lab Sample ID:	F97802-7	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	RSKSOP-147/175	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	FF16362.D	1	10/12/12	CP	n/a	n/a	GFF680
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.50	0.16	ug/l	U
74-84-0	Ethane	ND	1.0	0.32	ug/l	U
74-85-1	Ethene	ND	1.0	0.43	ug/l	U

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NW-R-14		
Lab Sample ID:	F97802-8	**Date Sampled:**	10/09/12
Matrix:	AQ - Ground Water	**Date Received:**	10/10/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Hamilton Beach: 234 Springs Rd, Washington, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N0063063.D	50	10/12/12	RB	n/a	n/a	VN2660
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	18.4	50	11	ug/l	J
75-00-3	Chloroethane	1250	100	25	ug/l	
67-66-3	Chloroform	ND	50	13	ug/l	
56-23-5	Carbon tetrachloride	ND	50	16	ug/l	
75-34-3	1,1-Dichloroethane	1500	50	11	ug/l	
75-35-4	1,1-Dichloroethylene	3740	50	10	ug/l	
107-06-2	1,2-Dichloroethane	74.2	50	11	ug/l	
156-59-2	cis-1,2-Dichloroethylene	2760	50	12	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	50	11	ug/l	
100-41-4	Ethylbenzene	ND	50	15	ug/l	
99-87-6	p-Isopropyltoluene	ND	50	10	ug/l	
91-20-3	Naphthalene	ND	250	50	ug/l	
103-65-1	n-Propylbenzene	ND	50	11	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	10	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	10	ug/l	
95-63-6	1,2,4-Trimethylbenzene	13.0	100	10	ug/l	J
127-18-4	Tetrachloroethylene	ND	50	16	ug/l	
108-88-3	Toluene	143	50	10	ug/l	
79-01-6	Trichloroethylene	ND	50	16	ug/l	
75-01-4	Vinyl chloride	524	50	22	ug/l	
	m,p-Xylene	67.0	100	15	ug/l	J
95-47-6	o-Xylene	55.9	50	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		87-116%
17060-07-0	1,2-Dichloroethane-D4	110%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	100%		84-120%

(a) Sample was not preserved to a pH < 2.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Analyst Legend

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST.

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # F97802 PAGE 1 OF

Accutest Quote #

SKIFF#

Client / Reporting Information

Company Name: URS Corporation
Address: 1600 Perimeter Park Dr. Suite 400
City: Morrisville State: NC Zip: 27560
Project Contact: Martha-Megan Lee E-mail: Lee@URS.com
Phone#: (919) 461-1349
Sampler(s) Name(s) (Printed): Michael Meese

Project Information

Project Name: HB-Washington
Street: Springs St
City: Washington State: NC
Project #: 3182 8403.00001
Fax #: (919) 461-1415
Client Purchase Order #

Analytical Information

Matrix Codes: DW - Drinking W; GW - Ground W; WW - Water; SW - Surface W; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liq; AIR - Air; SOL - Other Sc; WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Collection DATE	Collection TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MEOH	8260 VOC's	Dissolved Gases	8270 SVOC's									LAB USE ONLY
1	NW-G-12	10-9-12	0830	MM	GW	3		X								X											
2	NW-E-9		0850	MM	GW	6		X								X	X										
3	NW-D-9		0915	MM	GW	6		X								X	X										
4	MW-227		1015	MM	GW	6		X								X	X										
5	MW-GAW2		1040	MM	GW	5		X								X		X									
6	MW-GAW12		1050	MM	GW	3		X								X											
7	MW-ERH2		1115	MM	GW	8		X								X	X	X									
8	NW-R-14	10-9-12	1150	MM	GW	3		X								X											

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

RALEIGH, NC

SVC CENTER

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	10-9-12/1515	2 Brent Pader	3 FX	10/01/0630	4 Frank Torres
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2.8

F97802: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F97802 CLIENT: URS Corporation PROJECT: HB Washington

DATE/TIME RECEIVED: 10/10/12 09:30 {MM/DD/YY 24:00} NIMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 7991 5585 0590

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR 0.0
- [ ] OBSERVED TEMPS: 2.8
- [ ] CORRECTED TEMPS: 2.8

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [x] DATES/(TIMES) ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

{APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

SUMMARY OF COMMENTS: All vials unpreserved (SAMPLES 1-8).
For Sample # 3 COC reads 9:15
Sample reads 9:30

TECHNICIAN SIGNATURE/DATE [signature] 10/10/12 REVIEWER SIGNATURE/DATE [signature] 10/10/12

NF 12/10

receipt confirmation 122910.xls

5.1

5

F97802: Chain of Custody

Page 2 of 2

Analyst Legend

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Initials	Full Name	Analysis Type
RB	Ray Brookson	GC/MS Volatiles
FS	Fouad Sekkar	GC/MS Semi-volatiles
CP	Carlene Pasipanki	GC Volatiles

Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN2660-MB	N0063051.D	1	10/12/12	RB	n/a	n/a	VN2660

The QC reported here applies to the following samples: **Method:** SW846 8260B

F97802-1, F97802-2, F97802-3, F97802-4, F97802-5, F97802-6, F97802-7, F97802-8

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.21	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	76-127%
2037-26-5	Toluene-D8	98%	86-112%
460-00-4	4-Bromofluorobenzene	100%	84-120%

Blank Spike Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VN2660-BS	N0063050.D	1	10/12/12	RB	n/a	n/a	VN2660

The QC reported here applies to the following samples: **Method:** SW846 8260B

F97802-1, F97802-2, F97802-3, F97802-4, F97802-5, F97802-6, F97802-7, F97802-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	25.7	103	83-124
75-00-3	Chloroethane	25	24.5	98	54-166
67-66-3	Chloroform	25	26.0	104	85-123
56-23-5	Carbon tetrachloride	25	28.6	114	74-139
75-34-3	1,1-Dichloroethane	25	25.4	102	82-127
75-35-4	1,1-Dichloroethylene	25	28.5	114	75-133
107-06-2	1,2-Dichloroethane	25	24.6	98	76-122
156-59-2	cis-1,2-Dichloroethylene	25	25.9	104	81-114
156-60-5	trans-1,2-Dichloroethylene	25	26.1	104	82-126
100-41-4	Ethylbenzene	25	25.8	103	87-118
99-87-6	p-Isopropyltoluene	25	26.5	106	83-125
91-20-3	Naphthalene	25	22.3	89	59-125
103-65-1	n-Propylbenzene	25	27.0	108	86-125
71-55-6	1,1,1-Trichloroethane	25	28.0	112	79-133
79-00-5	1,1,2-Trichloroethane	25	23.6	94	80-114
95-63-6	1,2,4-Trimethylbenzene	25	24.5	98	82-120
127-18-4	Tetrachloroethylene	25	26.8	107	80-131
108-88-3	Toluene	25	24.9	100	86-116
79-01-6	Trichloroethylene	25	27.0	108	85-124
75-01-4	Vinyl chloride	25	26.3	105	57-153
	m,p-Xylene	50	52.9	106	86-121
95-47-6	o-Xylene	25	26.2	105	83-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	107%	87-116%
17060-07-0	1,2-Dichloroethane-D4	101%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	99%	84-120%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F97802-1MS	N0063072.D	5	10/12/12	RB	n/a	n/a	VN2660
F97802-1MSD	N0063073.D	5	10/12/12	RB	n/a	n/a	VN2660
F97802-1 [a]	N0063059.D	5	10/12/12	RB	n/a	n/a	VN2660
F97802-1 [a]	N0063064.D	10	10/12/12	RB	n/a	n/a	VN2660

The QC reported here applies to the following samples: **Method:** SW846 8260B

F97802-1, F97802-2, F97802-3, F97802-4, F97802-5, F97802-6, F97802-7, F97802-8

CAS No.	Compound	F97802-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20.6		125	146	100	140	96	4	83-124/11
75-00-3	Chloroethane	417		125	1050	506* [b]	898	385* [b]	16	54-166/20
67-66-3	Chloroform	ND		125	133	106	125	100	6	85-123/10
56-23-5	Carbon tetrachloride	ND		125	148	118	130	104	13	74-139/13
75-34-3	1,1-Dichloroethane	358		125	497	111	473	92	5	82-127/10
75-35-4	1,1-Dichloroethylene	355		125	524	135* [b]	499	115	5	75-133/13
107-06-2	1,2-Dichloroethane	21.6		125	153	105	145	99	5	76-122/11
156-59-2	cis-1,2-Dichloroethylene	448 [c]		125	682	187* [b]	642	155* [b]	6	81-114/10
156-60-5	trans-1,2-Dichloroethylene	44.3		125	178	107	167	98	6	82-126/10
100-41-4	Ethylbenzene	17.0		125	146	103	138	97	6	87-118/10
99-87-6	p-Isopropyltoluene	ND		125	132	106	120	96	10*	83-125/9
91-20-3	Naphthalene	54.2		125	172	94	167	90	3	59-125/15
103-65-1	n-Propylbenzene	5.4		125	137	105	127	97	8	86-125/10
71-55-6	1,1,1-Trichloroethane	ND		125	143	114	133	106	7	79-133/11
79-00-5	1,1,2-Trichloroethane	ND		125	117	94	112	90	4	80-114/11
95-63-6	1,2,4-Trimethylbenzene	55.7		125	185	103	168	90	10	82-120/10
127-18-4	Tetrachloroethylene	ND		125	133	106	121	97	9	80-131/12
108-88-3	Toluene	14.8		125	138	99	129	91	7	86-116/10
79-01-6	Trichloroethylene	ND		125	141	113	131	105	7	85-124/10
75-01-4	Vinyl chloride	554 [c]		125	845	233* [b]	866	250* [b]	2	57-153/22
	m,p-Xylene	21.2		250	287	106	268	99	7	86-121/10
95-47-6	o-Xylene	24.8		125	161	109	148	99	8	83-121/10

CAS No.	Surrogate Recoveries	MS	MSD	F97802-1	F97802-1	Limits
1868-53-7	Dibromofluoromethane	111%	108%	107%	109%	87-116%
17060-07-0	1,2-Dichloroethane-D4	114%	107%	104%	108%	76-127%
2037-26-5	Toluene-D8	96%	95%	96%	98%	86-112%
460-00-4	4-Bromofluorobenzene	96%	97%	96%	96%	84-120%

(a) Sample was not preserved to a pH < 2.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Result is from Run #2.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VN2625-BFB
Lab File ID: N0062454.D
Instrument ID: GCMSN
Injection Date: 09/18/12
Injection Time: 19:56

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	11285	18.5		Pass
75	30.0 - 60.0% of mass 95	29669	48.7		Pass
95	Base peak, 100% relative abundance	60971	100.0		Pass
96	5.0 - 9.0% of mass 95	4102	6.73		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 100.0% of mass 95	58280	95.6		Pass
175	5.0 - 9.0% of mass 174	4391	7.20	(7.53) [a]	Pass
176	95.0 - 101.0% of mass 174	56728	93.0	(97.3) [a]	Pass
177	5.0 - 9.0% of mass 176	3874	6.35	(6.83) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN2625-IC2625	N0062455.D	09/18/12	20:17	00:21	Initial cal 1
VN2625-IC2625	N0062456.D	09/18/12	20:42	00:46	Initial cal 2
VN2625-IC2625	N0062457.D	09/18/12	21:08	01:12	Initial cal 3
VN2625-ICC2625	N0062458.D	09/18/12	21:32	01:36	Initial cal 4
VN2625-IC2625	N0062459.D	09/18/12	21:58	02:02	Initial cal 5
VN2625-IC2625	N0062460.D	09/18/12	22:23	02:27	Initial cal 6
VN2625-ICV2625	N0062461.D	09/18/12	22:48	02:52	Initial cal verification 4

Instrument Performance Check (BFB)

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VN2660-BFB
Lab File ID: N0063048.D
Instrument ID: GCMSN
Injection Date: 10/12/12
Injection Time: 08:00

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	7262	16.9		Pass
75	30.0 - 60.0% of mass 95	20363	47.4		Pass
95	Base peak, 100% relative abundance	42992	100.0		Pass
96	5.0 - 9.0% of mass 95	2955	6.87		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 100.0% of mass 95	40176	93.4		Pass
175	5.0 - 9.0% of mass 174	3063	7.12	(7.62) [a]	Pass
176	95.0 - 101.0% of mass 174	38981	90.7	(97.0) [a]	Pass
177	5.0 - 9.0% of mass 176	2617	6.09	(6.71) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VN2660-CC2625	N0063049.D	10/12/12	08:33	00:33	Continuing cal 4
VN2660-BS	N0063050.D	10/12/12	09:15	01:15	Blank Spike
VN2660-MB	N0063051.D	10/12/12	10:05	02:05	Method Blank
ZZZZZZ	N0063052.D	10/12/12	11:30	03:30	(unrelated sample)
ZZZZZZ	N0063053.D	10/12/12	11:54	03:54	(unrelated sample)
ZZZZZZ	N0063054.D	10/12/12	12:20	04:20	(unrelated sample)
ZZZZZZ	N0063055.D	10/12/12	12:44	04:44	(unrelated sample)
F97802-4	N0063056.D	10/12/12	13:08	05:08	MW-227
F97802-5	N0063057.D	10/12/12	13:32	05:32	MW-GAW2
F97802-6	N0063058.D	10/12/12	13:56	05:56	MW-GAW12
F97802-1	N0063059.D	10/12/12	14:20	06:20	NW-G-12
F97802-2	N0063060.D	10/12/12	14:46	06:46	NW-E-9
F97802-3	N0063061.D	10/12/12	15:10	07:10	NW-D-9
F97802-7	N0063062.D	10/12/12	15:35	07:35	MW-ERH2
F97802-8	N0063063.D	10/12/12	16:00	08:00	NW-R-14
F97802-1	N0063064.D	10/12/12	16:27	08:27	NW-G-12
F97802-2	N0063065.D	10/12/12	16:52	08:52	NW-E-9
F97802-3	N0063066.D	10/12/12	17:17	09:17	NW-D-9
ZZZZZZ	N0063067.D	10/12/12	17:43	09:43	(unrelated sample)
ZZZZZZ	N0063068.D	10/12/12	18:07	10:07	(unrelated sample)
ZZZZZZ	N0063069.D	10/12/12	18:31	10:31	(unrelated sample)
ZZZZZZ	N0063070.D	10/12/12	18:56	10:56	(unrelated sample)
ZZZZZZ	N0063071.D	10/12/12	19:22	11:22	(unrelated sample)
F97802-1MS	N0063072.D	10/12/12	19:47	11:47	Matrix Spike

Instrument Performance Check (BFB)

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VN2660-BFB
Lab File ID: N0063048.D
Instrument ID: GCMSN
Injection Date: 10/12/12
Injection Time: 08:00

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
F97802-1MSD	N0063073.D	10/12/12	20:11	12:11	Matrix Spike Duplicate

Volatile Internal Standard Area Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std:	VN2660-CC2625	**Injection Date:**	10/12/12
Lab File ID:	N0063049.D	**Injection Time:**	08:33
Instrument ID:	GCMSN	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Initial Cal [a]	531753	7.58	394440	10.67	229685	13.04	55111	5.15
Check Std [b]	446859	7.58	361315	10.67	222474	13.04	45535	5.15
Upper Limit [c]	893718	8.08	722630	11.17	444948	13.54	91070	5.65
Lower Limit [d]	223430	7.08	180658	10.17	111237	12.54	22768	4.65

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
VN2660-BS	462910	7.58	366445	10.67	215988	13.04	47889	5.16
VN2660-MB	435136	7.58	328619	10.68	183691	13.04	39925	5.17
ZZZZZZ	434800	7.58	349694	10.67	203748	13.04	42846	5.16
ZZZZZZ	425981	7.58	323493	10.67	188154	13.04	37375	5.17
ZZZZZZ	432258	7.58	322543	10.67	192480	13.04	40741	5.17
ZZZZZZ	421979	7.58	317236	10.67	179489	13.04	35551	5.18
F97802-4 [e]	410124	7.58	316148	10.67	184418	13.04	28659	5.18
F97802-5 [e]	411601	7.58	320876	10.67	184561	13.04	30768	5.16
F97802-6 [e]	418125	7.58	324930	10.67	188785	13.04	32900	5.16
F97802-1 [e]	437525	7.58	334613	10.67	195714	13.04	39018	5.17
F97802-2 [e]	444738	7.58	329704	10.68	184806	13.04	38172	5.17
F97802-3 [e]	431702	7.58	318172	10.67	180978	13.04	38261	5.16
F97802-7 [e]	410268	7.58	311471	10.68	178708	13.04	38476	5.17
F97802-8 [e]	407138	7.58	306513	10.67	173456	13.04	32939	5.16
F97802-1 [e]	408483	7.58	304195	10.67	178833	13.04	37415	5.16
F97802-2 [e]	400420	7.58	298136	10.67	170425	13.04	36523	5.16
F97802-3 [e]	405254	7.58	301933	10.68	171257	13.04	37748	5.17
ZZZZZZ	390850	7.58	286665	10.68	162822	13.04	27963	5.18
ZZZZZZ	386124	7.58	289074	10.67	163175	13.04	25163	5.17
ZZZZZZ	379989	7.58	286932	10.67	166326	13.04	26088	5.15
ZZZZZZ	385025	7.58	284623	10.68	163480	13.04	30068	5.17
ZZZZZZ	379366	7.58	280993	10.67	158936	13.04	33555	5.17
F97802-1MS	399229	7.58	307966	10.67	185489	13.04	36573	5.17
F97802-1MSD	418399	7.58	351755	10.67	214391	13.04	44798	5.15

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4
IS 4 = Tert Butyl Alcohol-D10

(a) Initial Cal is: VN2625-ICC2625 N0062458.D 09/18/12 21:32
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std:	VN2660-CC2625	**Injection Date:**	10/12/12
Lab File ID:	N0063049.D	**Injection Time:**	08:33
Instrument ID:	GCMSN	**Method:**	SW846 8260B

Lab	IS 1		IS 2		IS 3		IS 4	
Sample ID	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**

(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(e) Sample was not preserved to a pH < 2.

Volatile Surrogate Recovery Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
F97802-1	N0063064.D	109.0	108.0	98.0	96.0
F97802-1	N0063059.D	107.0	104.0	96.0	96.0
F97802-2	N0063065.D	109.0	111.0	98.0	99.0
F97802-2	N0063060.D	105.0	105.0	98.0	100.0
F97802-3	N0063066.D	110.0	111.0	97.0	97.0
F97802-3	N0063061.D	109.0	106.0	98.0	98.0
F97802-4	N0063056.D	108.0	108.0	97.0	97.0
F97802-5	N0063057.D	107.0	106.0	97.0	97.0
F97802-6	N0063058.D	109.0	107.0	97.0	96.0
F97802-7	N0063062.D	108.0	108.0	98.0	98.0
F97802-8	N0063063.D	108.0	110.0	97.0	100.0
F97802-1MS	N0063072.D	111.0	114.0	96.0	96.0
F97802-1MSD	N0063073.D	108.0	107.0	95.0	97.0
VN2660-BS	N0063050.D	107.0	101.0	97.0	99.0
VN2660-MB	N0063051.D	106.0	105.0	98.0	100.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	87-116%
S2 = 1,2-Dichloroethane-D4	76-127%
S3 = Toluene-D8	86-112%
S4 = 4-Bromofluorobenzene	84-120%

Initial Calibration Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: VN2625-ICC2625
Lab FileID: N0062458.D

```
                    Response Factor Report  MSVOA8

Method       : C:\MSDchem\2\METHODS\8260nnew.m (RTE Integrator)
Title        : SW-846 Method 5030B/8260B & EPA 624
Last Update  : Wed Sep 19 09:48:18 2012
Response via : Initial Calibration

Calibration Files
1   =N0062455.D  2   =N0062456.D  3   =N0062457.D  4   =N0062458.D
5      =N0062459.D   6      =N0062460.D

      Compound              1     2     3     4     5     6     Avg    %RSD
--------------------------------------------------------------------------------

1) I   Fluorobenzene         ----------------ISTD---------------------
2)     Dichlorodifluoromet 0.244 0.319 0.306 0.275 0.266 0.260 0.278  10.28
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
             Response Ratio = 0.00000 + 0.29236 *A + -0.01681 *A^2

3) P   Chloromethane       0.394 0.377 0.352 0.327 0.309 0.299 0.343  11.08
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
             Response Ratio = 0.00000 + 0.34679 *A + -0.02455 *A^2

4) C   Vinyl Chloride      0.309 0.304 0.289 0.271 0.267 0.263 0.284   7.06
5)     Bromomethane        0.341 0.244 0.215 0.205 0.185 0.179 0.228  26.36
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9994
             Response Ratio = 0.00000 + 0.21638 *A + -0.01938 *A^2

6)     Chloroethane        0.190 0.186 0.168 0.158 0.140 0.132 0.162  14.58
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9993
             Response Ratio = 0.00000 + 0.17063 *A + -0.01965 *A^2

7)     Trichlorofluorometh 0.400 0.485 0.453 0.412 0.385 0.370 0.418  10.44
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
             Response Ratio = 0.00000 + 0.44234 *A + -0.03686 *A^2

8)     Ethyl Ether         0.195 0.222 0.250 0.215 0.204 0.243 0.221   9.69
9)     1,2-Dichlorotrifluo 0.279 0.420 0.388 0.370 0.351 0.348 0.359  13.15
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
             Response Ratio = 0.00000 + 0.38034 *A + -0.01713 *A^2

10) C  1,1-Dichloroethene  0.339 0.449 0.426 0.408 0.398 0.401 0.403   9.14
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
             Response Ratio = 0.00000 + 0.41123 *A + -0.00610 *A^2

11)    Freon 113           0.241 0.374 0.359 0.346 0.325 0.311 0.326  14.48
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
             Response Ratio = 0.00000 + 0.36614 *A + -0.02765 *A^2

12)    Carbon Disulfide    0.874 0.981 0.979 0.953 0.938 0.938 0.944   4.13
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
             Response Ratio = 0.00000 + 0.96236 *A + -0.01310 *A^2

13)    Iodomethane         0.538 0.611 0.595 0.586 0.580 0.578 0.581   4.20
           ---- Linear regr., Force(0,0) ----  Coefficient =  1.0000
             Response Ratio = 0.00000 + 0.57963 *A

14)    Methylene Chloride  1.030 0.534 0.449 0.425 0.407 0.395 0.540  45.38
           ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
             Response Ratio = 0.00000 + 0.44879 *A + -0.02764 *A^2
```

Initial Calibration Summary

Job Number: F97802 **Sample:** VN2625-ICC2625
Account: URSNCM URS Corporation **Lab FileID:** N0062458.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
15)     Acetone              0.020 0.024 0.024 0.024 0.024 0.023 0.023   6.54
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.02520 *A + -0.00018 *A^2

16)     Methyl acetate       0.035 0.046 0.046 0.045 0.045 0.044 0.043  10.00
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 0.04637 *A + -0.00023 *A^2

17)     trans-1,2-Dichloroe 0.347 0.434 0.415 0.397 0.384 0.384 0.394   7.58
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.40336 *A + -0.01038 *A^2

18)     Hexane               0.221 0.318 0.309 0.293 0.277 0.271 0.281  12.30
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.30594 *A + -0.01817 *A^2

19)     Methyl Tert Butyl E 0.806 0.875 0.892 0.902 0.900 0.870 0.874   4.10
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 0.93020 *A + -0.02879 *A^2

20)     Di-isopropyl ether  0.756 0.912 0.965 0.975 0.963 0.949 0.920   9.06
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 0.98666 *A + -0.01849 *A^2

21) P   1,1-Dichloroethane  0.449 0.516 0.512 0.497 0.481 0.481 0.489   5.10
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.50275 *A + -0.01158 *A^2

22)     Acrylonitrile        0.080 0.089 0.111 0.111 0.108 0.107 0.101  13.13
23)     ETBE                 0.720 0.863 0.909 0.935 0.939 0.911 0.880   9.39
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.95403 *A + -0.01949 *A^2

24)     Vinyl acetate        0.218 0.259 0.326 0.333 0.338 0.321 0.299  16.45
25)     cis-1,2-Dichloroeth 0.282 0.298 0.315 0.315 0.296 0.302 0.301   4.16
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9994
              Response Ratio = 0.00000 + 0.30994 *A + -0.00476 *A^2

26)     2,2-Dichloropropane 0.295 0.402 0.402 0.402 0.380 0.378 0.376  11.01
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.40517 *A + -0.01404 *A^2

27)     Bromochloromethane  0.134 0.182 0.183 0.179 0.174 0.172 0.171  10.86
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 0.18333 *A + -0.00593 *A^2

28)     Cyclohexane          0.362 0.518 0.538 0.527 0.500 0.498 0.490  13.26
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
              Response Ratio = 0.00000 + 0.53455 *A + -0.01948 *A^2

29) C   Chloroform           0.457 0.539 0.542 0.524 0.502 0.496 0.510   6.27
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 0.53656 *A + -0.02108 *A^2

30)     Tetrahydrofuran      0.133 0.098 0.090 0.086 0.088 0.083 0.096  19.38
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9993
              Response Ratio = 0.00000 + 0.09280 *A + -0.00475 *A^2

31) S   Dibromofluoromethan 0.271 0.277 0.279 0.273 0.267 0.265 0.272   2.04
```

Initial Calibration Summary

Job Number: F97802 **Sample:** VN2625-ICC2625
Account: URSNCM URS Corporation **Lab FileID:** N0062458.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
32)     Carbon Tetrachlorid 0.317 0.434 0.424 0.419 0.409 0.403 0.401  10.55
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 0.42751 *A + -0.01225 *A^2

33)     1,1,1-Trichloroetha 0.373 0.486 0.477 0.468 0.451 0.451 0.451   8.99
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 0.47205 *A + -0.01112 *A^2

34)     2-Butanone          0.094 0.122 0.122 0.118 0.119 0.117 0.115   9.27
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 0.12110 *A + -0.00038 *A^2

35)     1,1-Dichloropropene 0.225 0.371 0.375 0.366 0.354 0.357 0.341  16.84
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
              Response Ratio = 0.00000 + 0.36566 *A + -0.00491 *A^2

36)     Benzene             0.939 1.135 1.100 1.057 1.038 1.047 1.053   6.35
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 1.06247 *A + -0.00949 *A^2

37)     TAME                0.550 0.716 0.782 0.796 0.802 0.797 0.740  13.34
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 0.79422 *A + 0.00224 *A^2

38) S   1,2-Dichloroethane- 0.303 0.314 0.311 0.294 0.290 0.286 0.300   3.80
39)     1,2-Dichloroethane  0.366 0.409 0.390 0.384 0.375 0.361 0.381   4.66
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 0.40141 *A + -0.02024 *A^2

40)     Trichloroethene     0.255 0.311 0.289 0.277 0.270 0.271 0.279   6.90
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.28007 *A + -0.00491 *A^2

41)     Methylcyclohexane   0.367 0.526 0.540 0.523 0.502 0.500 0.493  12.86
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.53127 *A + -0.01653 *A^2

42)     Dibromomethane      0.117 0.172 0.175 0.173 0.175 0.173 0.164  14.10
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 0.17522 *A + -0.00090 *A^2

43) C   1,2-Dichloropropane 0.207 0.249 0.258 0.263 0.262 0.263 0.250   8.72
44)     Bromodichloromethan 0.257 0.326 0.337 0.351 0.352 0.352 0.329  11.21
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 0.34651 *A + 0.00303 *A^2

45)     2-Chloroethyl vinyl 0.085 0.141 0.161 0.166 0.167 0.160 0.147  21.57
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
              Response Ratio = 0.00000 + 0.17110 *A + -0.00100 *A^2

46)     cis-1,3-Dichloropro 0.288 0.366 0.406 0.429 0.436 0.441 0.394  14.96
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 0.41597 *A + 0.01282 *A^2


47) I   Chlorobenzene-d5      ----------------ISTD---------------------
48) S   Toluene-d8          1.236 1.268 1.266 1.263 1.227 1.261 1.254   1.39
49) C   Toluene             1.338 1.578 1.529 1.489 1.454 1.482 1.478   5.49
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 1.47534 *A + 0.00010 *A^2
```

Initial Calibration Summary

Job Number: F97802 **Sample:** VN2625-ICC2625
Account: URSNCM URS Corporation **Lab FileID:** N0062458.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
50)     2-Nitropropane      0.050 0.071 0.085 0.089 0.091 0.090 0.079  20.53
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.08821 *A + 0.00026 *A^2

51)     4-Methyl-2-pentanon 0.251 0.329 0.352 0.356 0.345 0.334 0.328  11.89
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 0.36618 *A + -0.00316 *A^2

52)     trans-1,3-Dichlorop 0.250 0.426 0.477 0.496 0.506 0.500 0.443  22.34
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.49441 *A + 0.00385 *A^2

53)     Tetrachloroethene   0.358 0.464 0.471 0.444 0.432 0.440 0.435   9.31
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
              Response Ratio = 0.00000 + 0.44449 *A + -0.00338 *A^2

54)     1,1,2-Trichloroetha 0.204 0.261 0.274 0.269 0.266 0.267 0.257  10.15
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 0.26854 *A + -0.00081 *A^2

55)     Dibromochloromethan 0.250 0.347 0.383 0.403 0.404 0.411 0.366  16.83
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 0.38913 *A + 0.01104 *A^2

56)     1,3-Dichloropropane 0.415 0.538 0.543 0.545 0.542 0.540 0.520   9.93
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 0.54702 *A + -0.00365 *A^2

57)     1,2-Dibromoethane   0.241 0.320 0.334 0.350 0.355 0.350 0.325  13.36
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.34970 *A + 0.00095 *A^2

58)     2-hexanone          0.118 0.186 0.223 0.232 0.231 0.223 0.202  22.04
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.23596 *A + -0.00116 *A^2

59)     1-Chlorohexane      0.287 0.454 0.481 0.490 0.480 0.498 0.448  17.96
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
              Response Ratio = 0.00000 + 0.46900 *A + 0.01360 *A^2

60) C   Ethylbenzene        1.534 1.795 1.722 1.674 1.608 1.622 1.659   5.54
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
              Response Ratio = 0.00000 + 1.68055 *A + -0.03295 *A^2

61) P   Chlorobenzene       0.965 1.063 1.021 1.008 0.970 0.966 0.999   3.92
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 1.02025 *A + -0.02848 *A^2

62)     1,1,1,2-Tetrachloro 0.323 0.404 0.405 0.412 0.402 0.410 0.393   8.77
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 0.40322 *A + 0.00263 *A^2

63)     m,p-Xylene          0.943 1.275 1.287 1.282 1.222 1.218 1.204  10.92
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 1.29201 *A + -0.01946 *A^2

64)     o-Xylene            0.851 1.203 1.302 1.329 1.291 1.307 1.214  15.07
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 1.30521 *A + -0.00080 *A^2
```

```
65)     Styrene             0.544 0.895 1.046 1.098 1.106 1.120 0.968  23.11
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 1.06397 *A + 0.02845 *A^2

66) P   Bromoform           0.149 0.223 0.257 0.276 0.288 0.288 0.247  21.76
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
              Response Ratio = 0.00000 + 0.26780 *A + 0.01096 *A^2

67)     Isopropylbenzene    1.053 1.615 1.758 1.777 1.689 1.722 1.602  17.17
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9995
              Response Ratio = 0.00000 + 1.74189 *A + -0.01419 *A^2


68) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
69) S   4-Bromofluorobenzen 0.822 0.823 0.822 0.807 0.812 0.824 0.818   0.85
70)     n-Propylbenzene     2.459 3.258 3.315 3.250 3.143 3.184 3.102  10.33
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 3.23445 *A + -0.03162 *A^2

71)     Bromobenzene        0.781 0.874 0.877 0.865 0.851 0.852 0.850   4.19
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 0.86771 *A + -0.00838 *A^2

72) P   1,1,2,2-Tetrachloro 0.630 0.725 0.772 0.761 0.764 0.748 0.734   7.24
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 0.77974 *A + -0.01507 *A^2

73)     1,3,5-Trimethylbenz 1.827 2.567 2.805 2.843 2.703 2.736 2.580  14.78
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
              Response Ratio = 0.00000 + 2.80361 *A + -0.03923 *A^2

74)     2-Chlorotoluene     1.884 2.377 2.360 2.324 2.201 2.225 2.229   8.22
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
              Response Ratio = 0.00000 + 2.32106 *A + -0.05405 *A^2

75)     trans-1,4-Dichloro- 0.021 0.146 0.195 0.216 0.219 0.215 0.169  45.83
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9994
              Response Ratio = 0.00000 + 0.21297 *A + 0.00143 *A^2

76)     1,2,3-Trichloroprop 0.217 0.246 0.240 0.245 0.239 0.243 0.238   4.63
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 0.24071 *A + 0.00059 *A^2

77)     Cyclohexanone             0.009 0.018 0.021 0.022 0.022 0.018  30.77
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9988
              Response Ratio = 0.00000 + 0.01974 *A + 0.00023 *A^2

78)     4-Chlorotoluene     1.416 1.964 2.014 2.025 1.992 1.987 1.900  12.52
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 2.02822 *A + -0.02137 *A^2

79)     tert-Butylbenzene   0.899 1.336 1.408 1.425 1.364 1.412 1.307  15.50
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9994
              Response Ratio = 0.00000 + 1.37364 *A + 0.01522 *A^2

80)     1,2,4-Trimethylbenz 1.801 2.615 2.826 2.842 2.756 2.779 2.603  15.41
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 2.81531 *A + -0.02160 *A^2
```

Initial Calibration Summary

Job Number: F97802 **Sample:** VN2625-ICC2625
Account: URSNCM URS Corporation **Lab FileID:** N0062458.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
81)     sec-Butylbenzene    2.207 3.267 3.456 3.440 3.293 3.351 3.169  15.06
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
              Response Ratio = 0.00000 + 3.39263 *A + -0.02865 *A^2

82)     4-Isopropyltoluene  1.719 2.603 2.977 2.967 2.865 2.921 2.675  18.25
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
              Response Ratio = 0.00000 + 2.91160 *A + -0.00119 *A^2

83)     1,3-Dichlorobenzene 1.279 1.555 1.558 1.545 1.517 1.513 1.495   7.16
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 1.55508 *A + -0.02213 *A^2

84)     1,4-Dichlorobenzene 1.905 1.843 1.787 1.745 1.709 1.669 1.777   4.91
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 1.80344 *A + -0.06710 *A^2

85)     n-Butylbenzene      0.909 1.390 1.584 1.603 1.575 1.595 1.443  18.95
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 1.57333 *A + 0.00961 *A^2

86)     Benzyl Chloride     0.077 0.194 0.275 0.302 0.333 0.326 0.251  39.47
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9986
              Response Ratio = 0.00000 + 0.29586 *A + 0.01712 *A^2

87)     1,2-Dichlorobenzene 1.340 1.591 1.552 1.588 1.554 1.529 1.526   6.16
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  1.0000
              Response Ratio = 0.00000 + 1.60658 *A + -0.03843 *A^2

88)     1,2-Dibromo-3-Chlor 0.074 0.110 0.121 0.136 0.140 0.140 0.120  21.48
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9995
              Response Ratio = 0.00000 + 0.13926 *A

89)     Hexachlorobutadiene 0.539 0.645 0.637 0.649 0.616 0.622 0.618   6.57
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
              Response Ratio = 0.00000 + 0.64195 *A + -0.01131 *A^2

90)     1,2,4-Trichlorobenz 1.003 1.200 1.300 1.354 1.333 1.319 1.252  10.62
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 1.35255 *A + -0.01613 *A^2

91)     Naphthalene         2.229 2.543 3.078 3.251 3.245 3.160 2.918  14.68
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
              Response Ratio = 0.00000 + 3.27637 *A + -0.05157 *A^2

92)     1,2,3-Trichlorobenz 1.093 1.215 1.319 1.345 1.300 1.275 1.258   7.31
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
              Response Ratio = 0.00000 + 1.36449 *A + -0.04457 *A^2


93) I   Tert Butyl Alcohol-d1 ----------------ISTD---------------------
94)     acrolein                        0.438 0.442 0.551 0.499 0.482  11.09
95)     Tert Butyl Alcohol  1.018 1.334 1.258 1.258 1.272 1.231 1.228   8.85
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
              Response Ratio = 0.00000 + 1.29983 *A + -0.01599 *A^2

96)     tert Amyl alcohol   0.467 0.813 0.859 0.910 0.952 0.953 0.826  22.29
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
              Response Ratio = 0.00000 + 0.88912 *A + 0.01717 *A^2

97)     1,4-Dioxane               0.067 0.130 0.148 0.151 0.139 0.127  27.01
```

Initial Calibration Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VN2625-ICC2625
Lab FileID: N0062458.D

```
---- Linear regr., Force(0,0) ----  Coefficient =  0.9947
  Response Ratio = 0.00000 + 0.14294 *A

-----------------------------------------------------------------------------
(#) = Out of Range

          8260nnew.m        Wed Sep 19 09:51:55 2012
```

Initial Calibration Verification

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: VN2625-ICV2625
Lab FileID: N0062461.D

Evaluate Continuing Calibration Report

```
Data File : C:\MSDchem\2\DATA\091812a\N0062461.D         Vial: 7
Acq On    : 18 Sep 2012  10:48 pm                     Operator: rayb
Sample    : icv2625-4                                 Inst    : MSVOA8
Misc      : MS22102,VN2625,,,,,                       Multiplr: 1.00
MS Integration Params: Tiny.p

Method       : C:\MSDchem\2\METHODS\8260nnew.m (RTE Integrator)
Title        : SW-846 Method 5030B/8260B & EPA 624
Last Update  : Wed Sep 19 09:48:18 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	110	-0.01	7.58
		Amount	Calc.	%Drift			
2	Dichlorodifluoromethane	40.000	58.107	-45.3#	158	-0.01	2.64
3 P	Chloromethane	40.000	47.175	-17.9	128	0.00	2.85
		AvgRF	CCRF	%Dev			
4 C	Vinyl Chloride	0.284	0.331	-16.5	134	0.00	2.99
		Amount	Calc.	%Drift			
5	Bromomethane	40.000	42.572	-6.4	114	0.00	3.38
6	Chloroethane	40.000	41.543	-3.9	111	0.00	3.52
7	Trichlorofluoromethane	40.000	40.610	-1.5	112	0.00	3.72
		AvgRF	CCRF	%Dev			
8	Ethyl Ether	0.221	0.186	15.8	95	-0.01	3.99
		Amount	Calc.	%Drift			
9	1,2-Dichlorotrifluoroetha	40.000	36.974	7.6	101	0.00	4.25
10 C	1,1-Dichloroethene	40.000	38.905	2.7	107	-0.04	4.27
11	Freon 113	40.000	35.184	12.0	97	0.00	4.33
12	Carbon Disulfide	40.000	35.220	12.0	97	-0.01	4.34
13	Iodomethane	40.000	37.659	5.9	102	-0.02	4.45
14	Methylene Chloride	40.000	37.353	6.6	103	-0.02	4.90
15	Acetone	200.000	203.499	-1.7	113	-0.01	4.94
16	Methyl acetate	200.000	190.982	4.5	106	0.00	5.04
17	trans-1,2-Dichloroethene	40.000	36.768	8.1	101	-0.02	5.06
18	Hexane	40.000	35.117	12.2	97	-0.01	5.12
19	Methyl Tert Butyl Ether	40.000	35.704	10.7	99	0.00	5.18
20	Di-isopropyl ether	40.000	36.747	8.1	101	-0.02	5.54
21 P	1,1-Dichloroethane	40.000	37.778	5.6	103	0.00	5.73
		AvgRF	CCRF	%Dev			
22	Acrylonitrile	0.101	0.113	-11.9	112	-0.05	5.77
		Amount	Calc.	%Drift			
23	ETBE	40.000	36.173	9.6	100	0.00	5.93
		AvgRF	CCRF	%Dev			
24	Vinyl acetate	0.299	0.441	-47.5#	145	-0.02	5.94
		Amount	Calc.	%Drift			

Initial Calibration Verification

Job Number: F97802 **Sample:** VN2625-ICV2625
Account: URSNCM URS Corporation **Lab FileID:** N0062461.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

25		cis-1,2-Dichloroethene	40.000	38.316	4.2	102	-0.01	6.30
26		2,2-Dichloropropane	40.000	36.527	8.7	99	-0.02	6.42
27		Bromochloromethane	40.000	35.900	10.3	99	0.00	6.51
28		Cyclohexane	40.000	36.758	8.1	100	-0.02	6.53
29	C	Chloroform	40.000	37.054	7.4	101	-0.02	6.56
30		Tetrahydrofuran	40.000	36.029	9.9	103	0.00	6.74
		----------	AvgRF	CCRF	%Dev	----------		
31	S	Dibromofluoromethane	0.272	0.264	2.9	106	0.00	6.75
		----------	Amount	Calc.	%Drift	----------		
32		Carbon Tetrachloride	40.000	36.320	9.2	100	0.00	6.74
33		1,1,1-Trichloroethane	40.000	36.512	8.7	100	-0.02	6.80
34		2-Butanone	200.000	190.835	4.6	107	-0.01	6.86
35		1,1-Dichloropropene	40.000	38.702	3.2	105	-0.01	6.92
36		Benzene	40.000	39.534	1.2	108	-0.01	7.17
37		TAME	40.000	36.798	8.0	101	-0.01	7.25
		----------	AvgRF	CCRF	%Dev	----------		
38	S	1,2-Dichloroethane-d4	0.300	0.284	5.3	106	-0.01	7.31
		----------	Amount	Calc.	%Drift	----------		
39		1,2-Dichloroethane	40.000	37.078	7.3	103	-0.01	7.37
40		Trichloroethene	40.000	39.494	1.3	108	0.00	7.75
41		Methylcyclohexane	40.000	37.451	6.4	102	-0.01	7.75
42		Dibromomethane	40.000	38.246	4.4	106	-0.01	8.18
		----------	AvgRF	CCRF	%Dev	----------		
43	C	1,2-Dichloropropane	0.250	0.258	-3.2	108	-0.01	8.27
		----------	Amount	Calc.	%Drift	----------		
44		Bromodichloromethane	40.000	38.567	3.6	105	0.00	8.32
45		2-Chloroethyl vinyl ether	200.000	186.900	6.5	104	0.00	8.84
46		cis-1,3-Dichloropropene	40.000	37.134	7.2	101	0.00	8.94
		----------	AvgRF	CCRF	%Dev	----------		
47	I	Chlorobenzene-d5	1.000	1.000	0.0	111	0.00	10.67
48	S	Toluene-d8	1.254	1.275	-1.7	112	0.00	9.12
		----------	Amount	Calc.	%Drift	----------		
49	C	Toluene	40.000	39.908	0.2	109	0.00	9.18
50		2-Nitropropane	200.000	181.111	9.4	100	0.00	9.40
51		4-Methyl-2-pentanone	200.000	193.157	3.4	106	-0.02	9.51
52		trans-1,3-Dichloropropene	40.000	38.956	2.6	108	0.00	9.57
53		Tetrachloroethene	40.000	38.392	4.0	106	-0.01	9.57
54		1,1,2-Trichloroethane	40.000	39.434	1.4	109	-0.02	9.73
55		Dibromochloromethane	40.000	39.097	2.3	107	-0.02	9.93
56		1,3-Dichloropropane	40.000	38.440	3.9	106	-0.02	10.01
57		1,2-Dibromoethane	40.000	38.970	2.6	108	-0.02	10.19
58		2-hexanone	200.000	189.781	5.1	105	-0.02	10.33
59		1-Chlorohexane	40.000	37.516	6.2	101	0.00	10.62
60	C	Ethylbenzene	40.000	39.527	1.2	108	0.00	10.69
61	P	Chlorobenzene	40.000	41.838	-4.6	114	0.00	10.69
62		1,1,1,2-Tetrachloroethane	40.000	39.695	0.8	108	0.00	10.74
63		m,p-Xylene	80.000	81.297	-1.6	110	0.00	10.82
64		o-Xylene	40.000	41.859	-4.6	114	0.00	11.27
65		Styrene	40.000	40.279	-0.7	110	-0.03	11.32
66	P	Bromoform	40.000	37.695	5.8	104	0.00	11.38
67		Isopropylbenzene	40.000	41.927	-4.8	113	0.00	11.57

Initial Calibration Verification

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: VN2625-ICV2625
Lab FileID: N0062461.D

			AvgRF	CCRF	%Dev			
68	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	0.00	13.04
69	S	4-Bromofluorobenzene	0.818	0.827	-1.1	111	-0.01	11.89

			Amount	Calc.	%Drift			
70		n-Propylbenzene	40.000	42.747	-6.9	115	-0.01	11.99
71		Bromobenzene	40.000	39.519	1.2	107	0.00	12.02
72	P	1,1,2,2-Tetrachloroethane	40.000	37.842	5.4	104	-0.01	12.06
73		1,3,5-Trimethylbenzene	40.000	38.604	3.5	102	-0.01	12.17
74		2-Chlorotoluene	40.000	41.551	-3.9	110	0.00	12.18
75		trans-1,4-Dichloro-2-Bute	40.000	35.467	11.3	95	0.00	12.25
76		1,2,3-Trichloropropane	40.000	38.806	3.0	104	-0.02	12.22
77		Cyclohexanone	200.000	211.191	-5.6	115	0.00	12.30
78		4-Chlorotoluene	40.000	42.588	-6.5	115	0.00	12.35
79		tert-Butylbenzene	40.000	41.658	-4.1	110	0.00	12.52
80		1,2,4-Trimethylbenzene	40.000	38.750	3.1	104	-0.01	12.58
81		sec-Butylbenzene	40.000	41.955	-4.9	112	-0.01	12.70
82		4-Isopropyltoluene	40.000	40.911	-2.3	109	-0.01	12.83
83		1,3-Dichlorobenzene	40.000	42.063	-5.2	114	-0.01	12.97
84		1,4-Dichlorobenzene	40.000	38.557	3.6	105	0.00	13.06
85		n-Butylbenzene	40.000	39.184	2.0	105	-0.01	13.27
86		Benzyl Chloride	40.000	34.755	13.1	96	0.00	13.29
87		1,2-Dichlorobenzene	40.000	41.899	-4.7	113	-0.01	13.49
88		1,2-Dibromo-3-Chloropropa	40.000	38.042	4.9	106	-0.01	14.24
89		Hexachlorobutadiene	40.000	39.570	1.1	105	-0.01	14.78
90		1,2,4-Trichlorobenzene	40.000	39.591	1.0	106	-0.01	14.83
91		Naphthalene	40.000	39.508	1.2	107	-0.01	15.11
92		1,2,3-Trichlorobenzene	40.000	38.863	2.8	104	-0.01	15.28

			AvgRF	CCRF	%Dev			
93	I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	112	0.00	5.16
94		acrolein	0.482	0.467	3.1	118	-0.01	4.62

			Amount	Calc.	%Drift			
95		Tert Butyl Alcohol	400.000	372.422	6.9	106	0.00	5.23
96		tert Amyl alcohol	400.000	386.737	3.3	109	-0.01	7.41
97		1,4-Dioxane	800.000	784.786	1.9	106	-0.01	8.51

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N0062458.D 8260nnew.m Wed Sep 19 09:52:06 2012

Continuing Calibration Summary

Job Number: F97802 **Sample:** VN2660-CC2625
Account: URSNCM URS Corporation **Lab FileID:** N0063049.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Evaluate Continuing Calibration Report

```
Data File : C:\MSDchem\2\DATA\101212\N0063049.D          Vial: 1
Acq On    : 12 Oct 2012   8:33 am                     Operator: rayb
Sample    : cc2625-4                                  Inst    : MSVOA8
Misc      : MS22102,VN2660,,,,,                       Multiplr: 1.00
MS Integration Params: Tiny.p

Method       : C:\MSDchem\2\METHODS\8260nnew.m (RTE Integrator)
Title        : SW-846 Method 5030B/8260B & EPA 624
Last Update  : Wed Sep 19 09:48:18 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	84	-0.01	7.58
		Amount	Calc.	%Drift			
2	Dichlorodifluoromethane	40.000	52.402	-31.0#	110	0.00	2.65
3 P	Chloromethane	40.000	44.453	-11.1	93	0.02	2.86
		AvgRF	CCRF	%Dev			
4 C	Vinyl Chloride	0.284	0.325	-14.4	101	0.01	2.99
		Amount	Calc.	%Drift			
5	Bromomethane	40.000	45.095	-12.7	92	0.01	3.39
6	Chloroethane	40.000	45.668	-14.2	93	0.00	3.52
7	Trichlorofluoromethane	40.000	49.169	-22.9#	102	0.00	3.74
		AvgRF	CCRF	%Dev			
8	Ethyl Ether	0.221	0.228	-3.2	89	-0.01	3.99
		Amount	Calc.	%Drift			
9	1,2-Dichlorotrifluoroetha	40.000	42.552	-6.4	88	0.00	4.25
10 C	1,1-Dichloroethene	40.000	40.323	-0.8	84	-0.04	4.27
11	Freon 113	40.000	45.942	-14.9	95	0.00	4.33
12	Carbon Disulfide	40.000	42.451	-6.1	89	-0.01	4.34
13	Iodomethane	40.000	43.402	-8.5	90	-0.02	4.45
14	Methylene Chloride	40.000	35.944	10.1	76	-0.02	4.90
15	Acetone	200.000	186.945	6.5	80	-0.02	4.93
16	Methyl acetate	200.000	195.880	2.1	83	-0.01	5.04
17	trans-1,2-Dichloroethene	40.000	39.601	1.0	83	-0.02	5.06
18	Hexane	40.000	39.825	0.4	83	-0.01	5.12
19	Methyl Tert Butyl Ether	40.000	41.474	-3.7	88	0.00	5.17
20	Di-isopropyl ether	40.000	37.136	7.2	78	-0.03	5.53
21 P	1,1-Dichloroethane	40.000	38.766	3.1	81	-0.01	5.72
		AvgRF	CCRF	%Dev			
22	Acrylonitrile	0.101	0.097	4.0	73	0.00	5.77
		Amount	Calc.	%Drift			
23	ETBE	40.000	40.050	-0.1	84	-0.01	5.93
		AvgRF	CCRF	%Dev			
24	Vinyl acetate	0.299	0.450	-50.5#	114	-0.02	5.93
		Amount	Calc.	%Drift			

Continuing Calibration Summary

Job Number: F97802 **Sample:** VN2660-CC2625
Account: URSNCM URS Corporation **Lab FileID:** N0063049.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

25		cis-1,2-Dichloroethene	40.000	38.847	2.9	79	-0.02	6.29
26		2,2-Dichloropropane	40.000	46.014	-15.0	94	-0.02	6.42
27		Bromochloromethane	40.000	41.707	-4.3	87	-0.01	6.50
28		Cyclohexane	40.000	40.010	-0.0	83	-0.02	6.53
29	C	Chloroform	40.000	40.727	-1.8	85	-0.02	6.56
30		Tetrahydrofuran	40.000	34.847	12.9	76	-0.01	6.73
		----------	AvgRF	CCRF	%Dev	----------		
31	S	Dibromofluoromethane	0.272	0.291	-7.0	89	-0.01	6.75
		----------	Amount	Calc.	%Drift	----------		
32		Carbon Tetrachloride	40.000	44.372	-10.9	93	0.00	6.74
33		1,1,1-Trichloroethane	40.000	43.711	-9.3	91	-0.02	6.80
34		2-Butanone	200.000	181.726	9.1	78	-0.02	6.86
35		1,1-Dichloropropene	40.000	39.286	1.8	82	-0.02	6.91
36		Benzene	40.000	37.823	5.4	79	-0.02	7.17
37		TAME	40.000	41.238	-3.1	87	-0.02	7.24
		----------	AvgRF	CCRF	%Dev	----------		
38	S	1,2-Dichloroethane-d4	0.300	0.308	-2.7	88	-0.02	7.30
		----------	Amount	Calc.	%Drift	----------		
39		1,2-Dichloroethane	40.000	39.529	1.2	83	-0.02	7.37
40		Trichloroethene	40.000	39.903	0.2	84	-0.01	7.75
41		Methylcyclohexane	40.000	41.312	-3.3	86	-0.01	7.75
42		Dibromomethane	40.000	38.339	4.2	81	-0.01	8.18
		----------	AvgRF	CCRF	%Dev	----------		
43	C	1,2-Dichloropropane	0.250	0.238	4.8	76	-0.02	8.27
		----------	Amount	Calc.	%Drift	----------		
44		Bromodichloromethane	40.000	39.850	0.4	83	-0.01	8.32
45		2-Chloroethyl vinyl ether	200.000	194.965	2.5	83	0.00	8.84
46		cis-1,3-Dichloropropene	40.000	39.225	1.9	82	0.00	8.94
		----------	AvgRF	CCRF	%Dev	----------		
47	I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00	10.67
48	S	Toluene-d8	1.254	1.204	4.0	87	0.00	9.12
		----------	Amount	Calc.	%Drift	----------		
49	C	Toluene	40.000	36.338	9.2	82	0.00	9.18
50		2-Nitropropane	200.000	181.963	9.0	83	0.00	9.40
51		4-Methyl-2-pentanone	200.000	164.628	17.7	75	-0.02	9.51
52		trans-1,3-Dichloropropene	40.000	37.520	6.2	86	0.00	9.57
53		Tetrachloroethene	40.000	38.979	2.6	89	-0.01	9.57
54		1,1,2-Trichloroethane	40.000	36.641	8.4	84	-0.02	9.73
55		Dibromochloromethane	40.000	39.255	1.9	89	-0.02	9.93
56		1,3-Dichloropropane	40.000	36.862	7.8	84	-0.02	10.01
57		1,2-Dibromoethane	40.000	38.298	4.3	88	-0.02	10.19
58		2-hexanone	200.000	179.538	10.2	82	-0.02	10.33
59		1-Chlorohexane	40.000	40.024	-0.1	90	0.00	10.62
60	C	Ethylbenzene	40.000	37.979	5.1	86	0.00	10.69
61	P	Chlorobenzene	40.000	37.982	5.0	86	0.00	10.69
62		1,1,1,2-Tetrachloroethane	40.000	38.065	4.8	86	0.00	10.74
63		m,p-Xylene	80.000	75.995	5.0	86	0.00	10.82
64		o-Xylene	40.000	37.016	7.5	83	0.00	11.27
65		Styrene	40.000	39.251	1.9	89	-0.02	11.32
66	P	Bromoform	40.000	40.094	-0.2	92	0.00	11.38
67		Isopropylbenzene	40.000	37.316	6.7	83	0.00	11.57

Continuing Calibration Summary

Job Number: F97802 **Sample:** VN2660-CC2625
Account: URSNCM URS Corporation **Lab FileID:** N0063049.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

			AvgRF	CCRF	%Dev			
68	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00	13.04
69	S	4-Bromofluorobenzene	0.818	0.796	2.7	96	-0.01	11.89

			Amount	Calc.	%Drift			
70		n-Propylbenzene	40.000	36.436	8.9	87	-0.01	11.99
71		Bromobenzene	40.000	37.777	5.6	91	0.00	12.02
72	P	1,1,2,2-Tetrachloroethane	40.000	34.511	13.7	84	-0.01	12.06
73		1,3,5-Trimethylbenzene	40.000	35.745	10.6	84	-0.01	12.17
74		2-Chlorotoluene	40.000	35.839	10.4	85	0.00	12.18
75		trans-1,4-Dichloro-2-Bute	40.000	31.698	20.8#	76	0.00	12.25
76		1,2,3-Trichloropropane	40.000	37.180	7.1	88	-0.02	12.22
77		Cyclohexanone	200.000	153.947	23.0#	74	0.00	12.29
78		4-Chlorotoluene	40.000	37.485	6.3	90	0.00	12.35
79		tert-Butylbenzene	40.000	35.576	11.1	84	0.00	12.52
80		1,2,4-Trimethylbenzene	40.000	36.493	8.8	87	-0.01	12.58
81		sec-Butylbenzene	40.000	35.194	12.0	84	-0.01	12.70
82		4-Isopropyltoluene	40.000	36.894	7.8	88	-0.01	12.83
83		1,3-Dichlorobenzene	40.000	37.816	5.5	91	-0.01	12.97
84		1,4-Dichlorobenzene	40.000	37.416	6.5	91	0.00	13.06
85		n-Butylbenzene	40.000	37.635	5.9	90	-0.01	13.27
86		Benzyl Chloride	40.000	40.027	-0.1	99	0.00	13.29
87		1,2-Dichlorobenzene	40.000	37.121	7.2	89	-0.01	13.49
88		1,2-Dibromo-3-Chloropropa	40.000	36.512	8.7	91	-0.01	14.24
89		Hexachlorobutadiene	40.000	39.458	1.4	93	-0.01	14.78
90		1,2,4-Trichlorobenzene	40.000	36.743	8.1	88	0.00	14.83
91		Naphthalene	40.000	34.313	14.2	83	-0.01	15.11
92		1,2,3-Trichlorobenzene	40.000	35.433	11.4	85	-0.01	15.28

			AvgRF	CCRF	%Dev			
93	I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	83	-0.01	5.15
94		acrolein	0.482	1.336	-177.2#	250#	-0.01	4.62

			Amount	Calc.	%Drift			
95		Tert Butyl Alcohol	400.000	392.529	1.9	82	0.00	5.23
96		tert Amyl alcohol	400.000	393.276	1.7	82	-0.02	7.40
97		1,4-Dioxane	800.000	771.017	3.6	77	0.00	8.51

(#) = Out of Range SPCC's out = 0 CCC's out = 0
N0062458.D 8260nnew.m Fri Oct 12 08:57:28 2012

6.7.3

6

Southeast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP43967-MB	X025962.D	1	10/12/12	FS	10/12/12	OP43967	SX1253

The QC reported here applies to the following samples: **Method:** SW846 8270D

F97802-5, F97802-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	3&4-Methylphenol	ND	5.0	1.4	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.69	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	53%	14-62%
4165-62-2	Phenol-d5	36%	10-40%
118-79-6	2,4,6-Tribromophenol	86%	33-118%
4165-60-0	Nitrobenzene-d5	78%	42-108%
321-60-8	2-Fluorobiphenyl	77%	40-106%
1718-51-0	Terphenyl-d14	91%	39-121%

Method Blank Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP43967-MB	T004610.D	1	10/16/12	FS	10/12/12	OP43967	ST233

The QC reported here applies to the following samples: **Method:** SW846 8270D

F97802-5, F97802-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	3&4-Methylphenol	ND	5.0	1.4	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.69	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	44%	14-62%
4165-62-2	Phenol-d5	30%	10-40%
118-79-6	2,4,6-Tribromophenol	75%	33-118%
4165-60-0	Nitrobenzene-d5	67%	42-108%
321-60-8	2-Fluorobiphenyl	65%	40-106%
1718-51-0	Terphenyl-d14	78%	39-121%

Method Blank Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP43967-MB	T004652.D	1	10/18/12	FS	10/12/12	OP43967	ST235

The QC reported here applies to the following samples: **Method:** SW846 8270D

F97802-5, F97802-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	3&4-Methylphenol	ND	5.0	1.4	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.69	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	48%	14-62%
4165-62-2	Phenol-d5	33%	10-40%
118-79-6	2,4,6-Tribromophenol	82%	33-118%
4165-60-0	Nitrobenzene-d5	76%	42-108%
321-60-8	2-Fluorobiphenyl	75%	40-106%
1718-51-0	Terphenyl-d14	90%	39-121%

Blank Spike Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP43967-BS	X025961.D	1	10/12/12	FS	10/12/12	OP43967	SX1253

The QC reported here applies to the following samples: **Method:** SW846 8270D

F97802-5, F97802-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
	3&4-Methylphenol	100	67.6	68	32-85
117-81-7	bis(2-Ethylhexyl)phthalate	50	47.6	95	59-116
91-57-6	2-Methylnaphthalene	50	57.7	115*	56-112

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	53%	14-62%
4165-62-2	Phenol-d5	36%	10-40%
118-79-6	2,4,6-Tribromophenol	94%	33-118%
4165-60-0	Nitrobenzene-d5	84%	42-108%
321-60-8	2-Fluorobiphenyl	82%	40-106%
1718-51-0	Terphenyl-d14	98%	39-121%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP43967-BS	X026030.D	1	10/19/12	FS	10/12/12	OP43967	SX1258

The QC reported here applies to the following samples: **Method:** SW846 8270D

F97802-5, F97802-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
	3&4-Methylphenol	100	49.1	49	32-85
117-81-7	bis(2-Ethylhexyl)phthalate	50	38.1	76	59-116
91-57-6	2-Methylnaphthalene	50	32.6	65	56-112

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	42%	14-62%
4165-62-2	Phenol-d5	28%	10-40%
118-79-6	2,4,6-Tribromophenol	70%	33-118%
4165-60-0	Nitrobenzene-d5	60%	42-108%
321-60-8	2-Fluorobiphenyl	67%	40-106%
1718-51-0	Terphenyl-d14	77%	39-121%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP43967-MS	X025968.D	1	10/12/12	FS	10/12/12	OP43967	SX1253
OP43967-MSD	X025969.D	1	10/12/12	FS	10/12/12	OP43967	SX1253
F97806-3	X025967.D	1	10/12/12	FS	10/12/12	OP43967	SX1253

The QC reported here applies to the following samples: **Method:** SW846 8270D

F97802-5, F97802-7

CAS No.	Compound	F97806-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	3&4-Methylphenol	ND		192	135	70	136	71	1	32-85/29
117-81-7	bis(2-Ethylhexyl)phthalate	ND		96.2	86.1	90	89.0	93	3	59-116/21
91-57-6	2-Methylnaphthalene	ND		96.2	109	113*	105	109	4	56-112/26

CAS No.	Surrogate Recoveries	MS	MSD	F97806-3	Limits
367-12-4	2-Fluorophenol	60%	60%	32%	14-62%
4165-62-2	Phenol-d5	45%*	45%*	21%	10-40%
118-79-6	2,4,6-Tribromophenol	90%	91%	81%	33-118%
4165-60-0	Nitrobenzene-d5	80%	78%	64%	42-108%
321-60-8	2-Fluorobiphenyl	81%	80%	65%	40-106%
1718-51-0	Terphenyl-d14	93%	95%	84%	39-121%

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: ST227-DFTPP
Lab File ID: T004463.D
Instrument ID: GCMST
Injection Date: 10/09/12
Injection Time: 15:59

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	48218	34.2		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	48730	34.6		Pass
70	Less than 2.0% of mass 69	312	0.22	(0.64) [a]	Pass
127	40.0 - 60.0% of mass 198	75186	53.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	140872	100.0		Pass
199	5.0 - 9.0% of mass 198	9265	6.58		Pass
275	10.0 - 30.0% of mass 198	33734	23.9		Pass
365	1.0 - 100.0% of mass 198	3699	2.63		Pass
441	Present, but less than mass 443	17549	12.5	(71.1) [b]	Pass
442	40.0 - 100.0% of mass 198	121296	86.1		Pass
443	17.0 - 23.0% of mass 442	24678	17.5	(20.3) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ST227-IC227	T004464.D	10/09/12	16:15	00:16	Initial cal 5
ST227-IC227	T004465.D	10/09/12	16:44	00:45	Initial cal 10
ST227-IC227	T004466.D	10/09/12	17:12	01:13	Initial cal 25
ST227-IC227	T004467.D	10/09/12	17:40	01:41	Initial cal 50
ST227-IC227	T004468.D	10/09/12	18:08	02:09	Initial cal 60
ST227-ICC227	T004469.D	10/09/12	18:36	02:37	Initial cal 75
ST227-IC227	T004470.D	10/09/12	19:04	03:05	Initial cal 100
ST227-ICV227	T004471.D	10/09/12	19:32	03:33	Initial cal verification 50
ST227-ICV227	T004472.D	10/09/12	20:00	04:01	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: ST233-DFTPP
Lab File ID: T004596.D
Instrument ID: GCMST
Injection Date: 10/16/12
Injection Time: 10:52

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	31788	35.1		Pass
68	Less than 2.0% of mass 69	84	0.09	(0.26) [a]	Pass
69	Mass 69 relative abundance	32084	35.4		Pass
70	Less than 2.0% of mass 69	49	0.05	(0.15) [a]	Pass
127	40.0 - 60.0% of mass 198	49080	54.2		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	90554	100.0		Pass
199	5.0 - 9.0% of mass 198	5994	6.62		Pass
275	10.0 - 30.0% of mass 198	21051	23.2		Pass
365	1.0 - 100.0% of mass 198	2361	2.61		Pass
441	Present, but less than mass 443	11110	12.3	(66.4) [b]	Pass
442	40.0 - 100.0% of mass 198	76429	84.4		Pass
443	17.0 - 23.0% of mass 442	16722	18.5	(21.9) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ST233-CC227	T004597.D	10/16/12	11:09	00:17	Continuing cal 50
OP44010-BS	T004598.D	10/16/12	11:38	00:46	Blank Spike
OP44010-MB	T004599.D	10/16/12	12:31	01:39	Method Blank
F97944-1	T004600.D	10/16/12	12:59	02:07	(used for QC only; not part of job F97802)
OP44010-MS	T004601.D	10/16/12	13:27	02:35	Matrix Spike
OP44010-MSD	T004602.D	10/16/12	13:55	03:03	Matrix Spike Duplicate
ZZZZZZ	T004604.D	10/16/12	14:51	03:59	(unrelated sample)
ZZZZZZ	T004605.D	10/16/12	15:19	04:27	(unrelated sample)
ZZZZZZ	T004606.D	10/16/12	15:47	04:55	(unrelated sample)
ZZZZZZ	T004607.D	10/16/12	16:15	05:23	(unrelated sample)
ZZZZZZ	T004608.D	10/16/12	16:44	05:52	(unrelated sample)
ZZZZZZ	T004609.D	10/16/12	17:12	06:20	(unrelated sample)
OP43967-MB	T004610.D	10/16/12	17:40	06:48	Method Blank
ZZZZZZ	T004611.D	10/16/12	18:08	07:16	(unrelated sample)
ZZZZZZ	T004612.D	10/16/12	18:36	07:44	(unrelated sample)
OP43994-MB	T004613.D	10/16/12	19:04	08:12	Method Blank
ZZZZZZ	T004614.D	10/16/12	19:32	08:40	(unrelated sample)
ZZZZZZ	T004615.D	10/16/12	20:00	09:08	(unrelated sample)
ZZZZZZ	T004616.D	10/16/12	20:28	09:36	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample:	ST233-DFTPP	**Injection Date:**	10/16/12
Lab File ID:	T004596.D	**Injection Time:**	10:52
Instrument ID:	GCMST		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	T004617.D	10/16/12	20:56	10:04	(unrelated sample)
ZZZZZZ	T004618.D	10/16/12	21:24	10:32	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: ST234-DFTPP
Lab File ID: T004621.D
Instrument ID: GCMST
Injection Date: 10/17/12
Injection Time: 12:13

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	32240	38.0		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	31546	37.2		Pass
70	Less than 2.0% of mass 69	200	0.24	(0.63) [a]	Pass
127	40.0 - 60.0% of mass 198	49061	57.9		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	84781	100.0		Pass
199	5.0 - 9.0% of mass 198	5621	6.63		Pass
275	10.0 - 30.0% of mass 198	20229	23.9		Pass
365	1.0 - 100.0% of mass 198	2209	2.61		Pass
441	Present, but less than mass 443	9542	11.3	(68.3) [b]	Pass
442	40.0 - 100.0% of mass 198	63509	74.9		Pass
443	17.0 - 23.0% of mass 442	13968	16.5	(22.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ST234-IC234	T004623.D	10/17/12	13:03	00:50	Initial cal 5
ST234-IC234	T004624.D	10/17/12	13:31	01:18	Initial cal 10
ST234-IC234	T004625.D	10/17/12	13:58	01:45	Initial cal 25
ST234-IC234	T004626.D	10/17/12	14:26	02:13	Initial cal 50
ST234-IC234	T004627.D	10/17/12	14:54	02:41	Initial cal 60
ST234-ICC234	T004628.D	10/17/12	15:22	03:09	Initial cal 75
ST234-IC234	T004629.D	10/17/12	15:50	03:37	Initial cal 100
ST234-ICV234	T004630.D	10/17/12	16:18	04:05	Initial cal verification 50
ST234-ICV234	T004631.D	10/17/12	16:46	04:33	Initial cal verification 50
OP44044-BS	T004632.D	10/17/12	17:13	05:00	Blank Spike
OP44044-MB	T004633.D	10/17/12	17:41	05:28	Method Blank
F97895-2	T004634.D	10/17/12	18:09	05:56	(used for QC only; not part of job F97802)
OP44044-MS	T004635.D	10/17/12	18:37	06:24	Matrix Spike
OP44044-MSD	T004636.D	10/17/12	19:05	06:52	Matrix Spike Duplicate
ZZZZZZ	T004637.D	10/17/12	19:32	07:19	(unrelated sample)
ZZZZZZ	T004638.D	10/17/12	20:00	07:47	(unrelated sample)
ZZZZZZ	T004639.D	10/17/12	20:28	08:15	(unrelated sample)
ZZZZZZ	T004640.D	10/17/12	20:56	08:43	(unrelated sample)
ZZZZZZ	T004641.D	10/17/12	21:23	09:10	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: ST234-DFTPP
Lab File ID: T004621.D
Instrument ID: GCMST
Injection Date: 10/17/12
Injection Time: 12:13

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	T004642.D	10/17/12	21:51	09:38	(unrelated sample)
ZZZZZZ	T004643.D	10/17/12	22:18	10:05	(unrelated sample)
ZZZZZZ	T004644.D	10/17/12	22:46	10:33	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: ST235-DFTPP
Lab File ID: T004645.D
Instrument ID: GCMST
Injection Date: 10/18/12
Injection Time: 10:40

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	27743	33.7		Pass
68	Less than 2.0% of mass 69	45	0.05	(0.17) [a]	Pass
69	Mass 69 relative abundance	27272	33.1		Pass
70	Less than 2.0% of mass 69	226	0.27	(0.83) [a]	Pass
127	40.0 - 60.0% of mass 198	42255	51.3		Pass
197	Less than 1.0% of mass 198	74	0.09		Pass
198	Base peak, 100% relative abundance	82370	100.0		Pass
199	5.0 - 9.0% of mass 198	5516	6.70		Pass
275	10.0 - 30.0% of mass 198	20279	24.6		Pass
365	1.0 - 100.0% of mass 198	2380	2.89		Pass
441	Present, but less than mass 443	10779	13.1	(66.8) [b]	Pass
442	40.0 - 100.0% of mass 198	73138	88.8		Pass
443	17.0 - 23.0% of mass 442	16129	19.6	(22.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ST235-CC234	T004646.D	10/18/12	10:57	00:17	Continuing cal 50
OP44049-BS	T004647.D	10/18/12	11:25	00:45	Blank Spike
OP44049-MB	T004648.D	10/18/12	11:52	01:12	Method Blank
F97971-1	T004649.D	10/18/12	12:20	01:40	(used for QC only; not part of job F97802)
OP44049-MS	T004650.D	10/18/12	12:48	02:08	Matrix Spike
OP44049-MSD	T004651.D	10/18/12	13:16	02:36	Matrix Spike Duplicate
OP43967-MB	T004652.D	10/18/12	13:44	03:04	Method Blank
OP43985-MB	T004654.D	10/18/12	14:40	04:00	Method Blank
ZZZZZZ	T004655.D	10/18/12	15:09	04:29	(unrelated sample)
ZZZZZZ	T004656.D	10/18/12	15:37	04:57	(unrelated sample)
ZZZZZZ	T004657.D	10/18/12	16:06	05:26	(unrelated sample)
ZZZZZZ	T004659.D	10/18/12	17:04	06:24	(unrelated sample)
ZZZZZZ	T004660.D	10/18/12	17:32	06:52	(unrelated sample)
ZZZZZZ	T004661.D	10/18/12	18:00	07:20	(unrelated sample)
ZZZZZZ	T004666.D	10/18/12	20:20	09:40	(unrelated sample)
ZZZZZZ	T004667.D	10/18/12	20:48	10:08	(unrelated sample)
ZZZZZZ	T004668.D	10/18/12	21:16	10:36	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: SX1244-DFTPP
Lab File ID: X025734.D
Instrument ID: GCMSX
Injection Date: 10/01/12
Injection Time: 11:04

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	36737	46.7		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	31993	40.6		Pass
70	Less than 2.0% of mass 69	174	0.22	(0.54) [a]	Pass
127	40.0 - 60.0% of mass 198	38088	48.4		Pass
197	Less than 1.0% of mass 198	768	0.98		Pass
198	Base peak, 100% relative abundance	78733	100.0		Pass
199	5.0 - 9.0% of mass 198	5290	6.72		Pass
275	10.0 - 30.0% of mass 198	16553	21.0		Pass
365	1.0 - 100.0% of mass 198	2026	2.57		Pass
441	Present, but less than mass 443	9468	12.0	(77.0) [b]	Pass
442	40.0 - 100.0% of mass 198	61584	78.2		Pass
443	17.0 - 23.0% of mass 442	12302	15.6	(20.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SX1244-IC1244	X025736.D	10/01/12	11:48	00:44	Initial cal 5
SX1244-IC1244	X025737.D	10/01/12	12:16	01:12	Initial cal 10
SX1244-IC1244	X025738.D	10/01/12	12:43	01:39	Initial cal 25
SX1244-IC1244	X025739.D	10/01/12	13:10	02:06	Initial cal 50
SX1244-IC1244	X025740.D	10/01/12	13:38	02:34	Initial cal 60
SX1244-ICC1244	X025741.D	10/01/12	14:05	03:01	Initial cal 75
SX1244-IC1244	X025742.D	10/01/12	14:33	03:29	Initial cal 100
SX1244-ICV1244	X025743.D	10/01/12	15:01	03:57	Initial cal verification 50
SX1244-ICV1244	X025744.D	10/01/12	15:29	04:25	Initial cal verification 50
OP43777-BS	X025745.D	10/01/12	15:59	04:55	Blank Spike
OP43777-MB	X025746.D	10/01/12	16:27	05:23	Method Blank
ZZZZZZ	X025747.D	10/01/12	16:55	05:51	(unrelated sample)
ZZZZZZ	X025748.D	10/01/12	17:22	06:18	(unrelated sample)
ZZZZZZ	X025749.D	10/01/12	17:50	06:46	(unrelated sample)
ZZZZZZ	X025750.D	10/01/12	18:18	07:14	(unrelated sample)
ZZZZZZ	X025751.D	10/01/12	18:45	07:41	(unrelated sample)
ZZZZZZ	X025752.D	10/01/12	19:13	08:09	(unrelated sample)
ZZZZZZ	X025753.D	10/01/12	19:41	08:37	(unrelated sample)
ZZZZZZ	X025754.D	10/01/12	20:08	09:04	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample:	SX1244-DFTPP	**Injection Date:**	10/01/12
Lab File ID:	X025734.D	**Injection Time:**	11:04
Instrument ID:	GCMSX		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP43759-MB	X025755.D	10/01/12	20:35	09:31	Method Blank
ZZZZZZ	X025756.D	10/01/12	21:03	09:59	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: SX1253-DFTPP
Lab File ID: X025959.D
Instrument ID: GCMSX
Injection Date: 10/12/12
Injection Time: 14:15

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	48496	54.0		Pass
68	Less than 2.0% of mass 69	71	0.08	(0.17) [a]	Pass
69	Mass 69 relative abundance	40722	45.3		Pass
70	Less than 2.0% of mass 69	215	0.24	(0.53) [a]	Pass
127	40.0 - 60.0% of mass 198	45192	50.3		Pass
197	Less than 1.0% of mass 198	187	0.21		Pass
198	Base peak, 100% relative abundance	89797	100.0		Pass
199	5.0 - 9.0% of mass 198	6080	6.77		Pass
275	10.0 - 30.0% of mass 198	19950	22.2		Pass
365	1.0 - 100.0% of mass 198	2136	2.38		Pass
441	Present, but less than mass 443	10943	12.2	(76.9) [b]	Pass
442	40.0 - 100.0% of mass 198	74722	83.2		Pass
443	17.0 - 23.0% of mass 442	14228	15.8	(19.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SX1253-CC1244	X025960.D	10/12/12	14:32	00:17	Continuing cal 50
OP43967-BS	X025961.D	10/12/12	15:08	00:53	Blank Spike
OP43967-MB	X025962.D	10/12/12	15:35	01:20	Method Blank
ZZZZZZ	X025963.D	10/12/12	16:03	01:48	(unrelated sample)
ZZZZZZ	X025964.D	10/12/12	16:30	02:15	(unrelated sample)
ZZZZZZ	X025965.D	10/12/12	16:58	02:43	(unrelated sample)
ZZZZZZ	X025966.D	10/12/12	17:25	03:10	(unrelated sample)
F97806-3	X025967.D	10/12/12	17:53	03:38	(used for QC only; not part of job F97802)
OP43967-MS	X025968.D	10/12/12	18:20	04:05	Matrix Spike
OP43967-MSD	X025969.D	10/12/12	18:48	04:33	Matrix Spike Duplicate
ZZZZZZ	X025970.D	10/12/12	19:15	05:00	(unrelated sample)
ZZZZZZ	X025973.D	10/12/12	20:37	06:22	(unrelated sample)
ZZZZZZ	X025974.D	10/12/12	21:04	06:49	(unrelated sample)
ZZZZZZ	X025975.D	10/12/12	21:31	07:16	(unrelated sample)
ZZZZZZ	X025976.D	10/12/12	21:58	07:43	(unrelated sample)
ZZZZZZ	X025977.D	10/12/12	22:25	08:10	(unrelated sample)
ZZZZZZ	X025978.D	10/12/12	22:52	08:37	(unrelated sample)
F97802-5	X025979.D	10/12/12	23:19	09:04	MW-GAW2
F97802-7	X025980.D	10/12/12	23:46	09:31	MW-ERH2

Instrument Performance Check (DFTPP)

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: SX1255-DFTPP
Lab File ID: X025988.D
Instrument ID: GCMSX
Injection Date: 10/16/12
Injection Time: 16:42

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	34525	52.2		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	17067	25.8		Pass
70	Less than 2.0% of mass 69	41	0.06	(0.24) [a]	Pass
127	40.0 - 60.0% of mass 198	30409	46.0		Pass
197	Less than 1.0% of mass 198	56	0.08		Pass
198	Base peak, 100% relative abundance	66168	100.0		Pass
199	5.0 - 9.0% of mass 198	4393	6.64		Pass
275	10.0 - 30.0% of mass 198	12892	19.5		Pass
365	1.0 - 100.0% of mass 198	962	1.45		Pass
441	Present, but less than mass 443	7454	11.3	(86.5) [b]	Pass
442	40.0 - 100.0% of mass 198	47266	71.4		Pass
443	17.0 - 23.0% of mass 442	8614	13.0	(18.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SX1255-IC1255	X025989.D	10/16/12	16:59	00:17	Initial cal 5
SX1255-IC1255	X025990.D	10/16/12	17:27	00:45	Initial cal 10
SX1255-IC1255	X025991.D	10/16/12	17:55	01:13	Initial cal 25
SX1255-IC1255	X025992.D	10/16/12	18:22	01:40	Initial cal 50
SX1255-IC1255	X025993.D	10/16/12	18:50	02:08	Initial cal 60
SX1255-ICC1255	X025994.D	10/16/12	19:17	02:35	Initial cal 75
SX1255-IC1255	X025995.D	10/16/12	19:45	03:03	Initial cal 100
SX1255-ICV1255	X025996.D	10/16/12	20:12	03:30	Initial cal verification 50
SX1255-ICV1255	X025997.D	10/16/12	20:40	03:58	Initial cal verification 50
OP43951-BS	X025998.D	10/16/12	21:07	04:25	Blank Spike
OP43951-MB	X025999.D	10/16/12	21:34	04:52	Method Blank
ZZZZZZ	X026000.D	10/16/12	22:01	05:19	(unrelated sample)
ZZZZZZ	X026001.D	10/16/12	22:28	05:46	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: SX1258-DFTPP
Lab File ID: X026023.D
Instrument ID: GCMSX
Injection Date: 10/19/12
Injection Time: 10:32

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	53253	54.0		Pass
68	Less than 2.0% of mass 69	335	0.34	(1.33) [a]	Pass
69	Mass 69 relative abundance	25110	25.5		Pass
70	Less than 2.0% of mass 69	165	0.17	(0.66) [a]	Pass
127	40.0 - 60.0% of mass 198	47184	47.9		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	98605	100.0		Pass
199	5.0 - 9.0% of mass 198	6653	6.75		Pass
275	10.0 - 30.0% of mass 198	18048	18.3		Pass
365	1.0 - 100.0% of mass 198	1503	1.52		Pass
441	Present, but less than mass 443	8448	8.57	(71.9) [b]	Pass
442	40.0 - 100.0% of mass 198	60124	61.0		Pass
443	17.0 - 23.0% of mass 442	11754	11.9	(19.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SX1258-CC1255	X026024.D	10/19/12	10:49	00:17	Continuing cal 50
OP44066-LBS	X026025.D	10/19/12	11:22	00:50	Blank Spike
OP44066-LB	X026026.D	10/19/12	11:49	01:17	Leachate Blank
F97944-4A	X026027.D	10/19/12	12:16	01:44	(used for QC only; not part of job F97802)
OP44066-MS	X026028.D	10/19/12	12:43	02:11	Matrix Spike
OP44066-MSD	X026029.D	10/19/12	13:11	02:39	Matrix Spike Duplicate
OP43967-BS	X026030.D	10/19/12	13:38	03:06	Blank Spike
F97802-7	X026031.D	10/19/12	14:06	03:34	MW-ERH2
ZZZZZZ	X026032.D	10/19/12	14:33	04:01	(unrelated sample)
ZZZZZZ	X026033.D	10/19/12	15:01	04:29	(unrelated sample)
OP44066-LS	X026034.D	10/19/12	15:28	04:56	Leachate Spike
F97951-2	X026035.D	10/19/12	15:56	05:24	(used for QC only; not part of job F97802)
OP44066-DUP	X026036.D	10/19/12	16:24	05:52	Duplicate

Semivolatile Internal Standard Area Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std:	ST233-CC227	**Injection Date:**	10/16/12
Lab File ID:	T004597.D	**Injection Time:**	11:09
Instrument ID:	GCMST	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	117721	4.15	488349	5.12	235276	7.09	394660	9.37	302296	14.18	270792	16.63
Check Std [b]	127563	3.99	531848	4.94	259353	6.83	430370	9.07	346047	13.84	321556	16.28
Upper Limit [c]	255126	4.49	1063696	5.44	518706	7.33	860740	9.57	692094	14.34	643112	16.78
Lower Limit [d]	63782	3.49	265924	4.44	129677	6.33	215185	8.57	173024	13.34	160778	15.78

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP44010-BS	122408	3.99	509464	4.94	251632	6.83	407637	9.07	338480	13.84	309990	16.28
OP44010-MB	109205	3.99	458630	4.94	226656	6.82	354551	9.07	294558	13.83	269094	16.28
F97944-1	106469	3.99	450865	4.93	218419	6.82	352067	9.06	296011	13.83	272682	16.27
OP44010-MS	93636	3.99	384535	4.94	187836	6.82	299383	9.07	243601	13.83	222160	16.28
OP44010-MSD	99416	3.99	422899	4.94	202831	6.82	327821	9.07	260147	13.83	237665	16.28
ZZZZZZ	117506	3.99	484552	4.93	247052	6.82	393059	9.06	331409	13.83	295496	16.28
ZZZZZZ	115301	3.99	489602	4.93	239576	6.82	385197	9.06	318043	13.83	294249	16.27
ZZZZZZ	120695	3.99	502982	4.93	249781	6.82	400706	9.07	333654	13.83	309544	16.27
ZZZZZZ	123287	3.99	500721	4.93	247913	6.82	395031	9.07	332247	13.83	306142	16.28
ZZZZZZ	122837	3.99	508559	4.93	254372	6.82	402128	9.07	333257	13.83	303615	16.28
ZZZZZZ	104560	3.99	437229	4.93	216994	6.82	347668	9.07	285633	13.83	260407	16.28
OP43967-MB	124486	3.99	522952	4.93	254274	6.82	408915	9.07	341695	13.83	313838	16.28
ZZZZZZ	100533	3.99	415890	4.93	207164	6.82	333299	9.06	284038	13.83	254451	16.28
ZZZZZZ	118046	3.99	493264	4.93	241399	6.82	391150	9.06	317571	13.83	289957	16.28
OP43994-MB	127227	3.99	533384	4.93	265761	6.82	420523	9.06	348245	13.83	316128	16.28
ZZZZZZ	124918	3.99	528913	4.93	260460	6.82	417370	9.07	332635	13.83	294488	16.28
ZZZZZZ	120492	3.99	508079	4.94	252484	6.83	412102	9.07	330712	13.84	287477	16.29
ZZZZZZ	116268	3.99	481590	4.94	253364	6.83	404417	9.07	330856	13.84	287413	16.30
ZZZZZZ	117891	3.99	490958	4.94	247543	6.83	401711	9.07	319243	13.84	272101	16.29
ZZZZZZ	125534	3.99	473229	4.94	241945	6.84	399514	9.09	346156	13.84	306685	16.29

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: ST227-ICC227 T004469.D 10/09/12 18:36
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std:	ST235-CC234	**Injection Date:**	10/18/12
Lab File ID:	T004646.D	**Injection Time:**	10:57
Instrument ID:	GCMST	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	135733	3.94	573368	4.89	279378	6.75	461420	8.98	365155	13.74	340107	16.18
Check Std [b]	141294	3.94	583397	4.88	283158	6.75	456541	8.97	367872	13.73	335318	16.17
Upper Limit [c]	282588	4.44	1166794	5.38	566316	7.25	913082	9.47	735744	14.23	670636	16.67
Lower Limit [d]	70647	3.44	291699	4.38	141579	6.25	228271	8.47	183936	13.23	167659	15.67

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP44049-BS	106691	3.94	433796	4.88	212589	6.74	337352	8.97	268156	13.72	241796	16.17
OP44049-MB	104896	3.94	425493	4.88	208747	6.74	329268	8.96	265339	13.72	237497	16.16
F97971-1	108527	3.94	456260	4.88	218029	6.74	343658	8.97	281064	13.72	248703	16.17
OP44049-MS	126270	3.94	528628	4.88	256034	6.75	409928	8.97	323157	13.73	288812	16.18
OP44049-MSD	111376	3.94	465688	4.88	222185	6.75	357310	8.97	283697	13.73	250095	16.17
OP43967-MB	126660	3.94	522164	4.88	254423	6.74	404491	8.97	327077	13.72	287262	16.17
OP43985-MB	129816	3.94	529374	4.88	265584	6.74	424019	8.97	343385	13.72	309636	16.17
ZZZZZZ	136441	3.94	549450	4.88	275161	6.75	436695	8.97	357151	13.72	322779	16.17
ZZZZZZ	142942	3.94	583323	4.88	290514	6.75	461005	8.97	370492	13.72	331950	16.17
ZZZZZZ	132662	3.94	556251	4.88	277744	6.75	438875	8.97	354883	13.73	310186	16.18
ZZZZZZ	119669	3.94	482015	4.88	245890	6.75	392866	8.97	322594	13.72	285256	16.17
ZZZZZZ	121087	3.94	500678	4.88	247916	6.74	392963	8.97	318020	13.72	280015	16.17
ZZZZZZ	114355	3.94	468338	4.88	232158	6.75	361698	8.97	293380	13.72	254799	16.17
ZZZZZZ	114156	3.94	461691	4.88	234810	6.74	368599	8.97	294759	13.72	264743	16.17
ZZZZZZ	109545	3.94	452051	4.88	229218	6.75	361981	8.97	292314	13.72	257178	16.17
ZZZZZZ	109835	3.94	444572	4.88	221584	6.74	351048	8.97	288606	13.72	255188	16.17

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: ST234-ICC234 T004628.D 10/17/12 15:22
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std:	SX1253-CC1244	**Injection Date:**	10/12/12
Lab File ID:	X025960.D	**Injection Time:**	14:32
Instrument ID:	GCMSX	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	253473	3.74	971440	4.68	509318	6.45	752872	8.62	496260	13.36	405434	15.80
Check Std [b]	281724	3.46	1115489	4.40	605022	6.01	907920	8.07	614316	12.73	507655	15.14
Upper Limit [c]	563448	3.96	2230978	4.90	1210044	6.51	1815840	8.57	1228632	13.23	1015310	15.64
Lower Limit [d]	140862	2.96	557745	3.90	302511	5.51	453960	7.57	307158	12.23	253828	14.64

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP43967-BS	215297	3.46	845439	4.40	454148	6.00	674349	8.07	452215	12.72	370843	15.13
OP43967-MB	256361	3.46	1018061	4.39	533038	5.99	822330	8.06	587060	12.70	484452	15.12
ZZZZZZ	268499	3.46	1076595	4.40	560657	6.00	863046	8.06	591363	12.71	479613	15.12
ZZZZZZ	251264	3.46	991028	4.40	525695	6.00	798567	8.06	557978	12.71	448501	15.12
ZZZZZZ	264832	3.46	1071274	4.40	564558	6.00	859293	8.06	590891	12.71	471431	15.12
ZZZZZZ	269542	3.46	1093566	4.40	577124	6.00	900586	8.06	616223	12.71	497011	15.12
F97806-3	195180	3.46	777442	4.39	409030	5.99	634613	8.05	449781	12.69	379339	15.12
OP43967-MS	233715	3.46	934912	4.40	494753	6.00	760639	8.07	514988	12.72	425592	15.13
OP43967-MSD	251925	3.46	1008398	4.40	531523	6.00	808050	8.07	538743	12.72	444110	15.13
ZZZZZZ	237285	3.46	956157	4.39	499138	5.99	763570	8.05	548206	12.70	450607	15.12
ZZZZZZ	202632	3.46	809500	4.40	426144	6.00	653330	8.06	470875	12.71	406109	15.13
ZZZZZZ	255141	3.46	992190	4.40	521008	6.00	799404	8.06	553170	12.71	457396	15.13
ZZZZZZ	245835	3.46	986290	4.40	514118	6.00	790744	8.06	554710	12.71	445548	15.12
ZZZZZZ	208269	3.46	822933	4.39	429922	5.99	653231	8.05	479080	12.71	384367	15.12
ZZZZZZ	202936	3.46	817205	4.39	433709	6.00	661205	8.08	419599	12.82	350906	15.23
ZZZZZZ	254572	3.46	1001329	4.40	518923	6.00	791557	8.06	556752	12.71	468291	15.13
F97802-5	237771	3.46	939458	4.40	507864	6.00	765112	8.07	541119	12.72	443067	15.13
F97802-7	262100	3.46	1030512	4.40	557902	6.00	827458	8.06	586865	12.71	478665	15.13

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: SX1244-ICC1244 X025741.D 10/01/12 14:05
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Check Std:	SX1258-CC1255	**Injection Date:**	10/19/12
Lab File ID:	X026024.D	**Injection Time:**	10:49
Instrument ID:	GCMSX	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	128448	5.26	504585	6.47	246624	8.84	392311	11.35	310544	16.32	273833	18.84
Check Std [b]	184682	5.14	695016	6.32	340668	8.67	515234	11.15	383484	16.11	339016	18.63
Upper Limit [c]	369364	5.64	1390032	6.82	681336	9.17	1030468	11.65	766968	16.61	678032	19.13
Lower Limit [d]	92341	4.64	347508	5.82	170334	8.17	257617	10.65	191742	15.61	169508	18.13

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP44066-LBS	175173	5.14	689015	6.32	312554	8.67	452091	11.16	341509	16.11	299609	18.63
OP44066-LB	148131	5.13	564663	6.32	278709	8.66	416171	11.14	331577	16.10	278523	18.62
F97944-4A	143865	5.13	552019	6.32	268034	8.66	396458	11.15	309822	16.10	259889	18.62
OP44066-MS	149495	5.14	586300	6.32	267787	8.67	400712	11.15	297822	16.10	254380	18.62
OP44066-MSD	198662	5.14	770477	6.32	346668	8.67	500994	11.15	369045	16.11	311921	18.63
OP43967-BS	162984	5.14	626609	6.32	288449	8.67	423239	11.15	318378	16.10	276689	18.62
F97802-7	173903	5.14	648918	6.32	310221	8.67	466790	11.15	370887	16.11	316404	18.63
ZZZZZZ	191948	5.14	718654	6.32	345979	8.66	513918	11.15	398443	16.10	335678	18.62
ZZZZZZ	174355	5.14	661871	6.32	324699	8.66	483773	11.15	381685	16.10	321036	18.62
OP44066-LS	145963	5.14	582515	6.32	271646	8.67	408307	11.15	308673	16.10	266664	18.62
F97951-2	206611	5.14	767197	6.32	376227	8.66	544381	11.15	441543	16.10	377711	18.63
OP44066-DUP	151817	5.14	584620	6.32	281521	8.66	409760	11.15	322388	16.10	272255	18.62

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: SX1255-ICC1255 X025994.D 10/16/12 19:17
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Method: SW846 8270D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
F97802-5	X025979.D	39.0	26.0	90.0	70.0	73.0	86.0
F97802-7	X026031.D	40.0	26.0	85.0	73.0	72.0	78.0
F97802-7	X025980.D	24.0	16.0	49.0	45.0	44.0	44.0
OP43967-BS	X025961.D	53.0	36.0	94.0	84.0	82.0	98.0
OP43967-BS	X026030.D	42.0	28.0	70.0	60.0	67.0	77.0
OP43967-MB	X025962.D	53.0	36.0	86.0	78.0	77.0	91.0
OP43967-MB	T004610.D	44.0	30.0	75.0	67.0	65.0	78.0
OP43967-MB	T004652.D	48.0	33.0	82.0	76.0	75.0	90.0
OP43967-MS	X025968.D	60.0	45.0*	90.0	80.0	81.0	93.0
OP43967-MSD	X025969.D	60.0	45.0*	91.0	78.0	80.0	95.0

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	14-62%
S2 = Phenol-d5	10-40%
S3 = 2,4,6-Tribromophenol	33-118%
S4 = Nitrobenzene-d5	42-108%
S5 = 2-Fluorobiphenyl	40-106%
S6 = Terphenyl-d14	39-121%

Initial Calibration Summary

Job Number: F97802 **Sample:** ST227-ICC227
Account: URSNCM URS Corporation **Lab FileID:** T004469.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Response Factor Report MSBNA06

Method : C:\msdchem\2\METHODS\8270d.m (RTE Integrator)
Title : SW846 8270D OR EPA 625
Last Update : Wed Oct 10 09:45:22 2012
Response via : Initial Calibration

Calibration Files
5 =T004464.D 10 =T004465.D 25 =T004466.D 50 =T004467.D
60 =T004468.D 75 =T004469.D 100 =T004470.D

Compound	5	10	25	50	60	75	100	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	----------ISTD----------								
2) 1,4-Dioxane	0.746	0.710	0.705	0.714	0.695	0.705	0.712	0.712	2.25
3) N-nitrosodimethyl	0.688	0.678	0.637	0.647	0.628	0.631	0.639	0.650	3.64
4) Pyridine	1.359	1.415	1.474	1.548	1.431	1.516	1.549	1.471	4.91
5)P Benzaldehyde	1.160	1.192	1.117	0.992	0.890	0.807	0.654	0.973	20.58
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993									
Response Ratio = 0.00000 + 1.28097 *A + -0.25144 *A^2									
6) Aniline	2.460	2.380	2.281	2.262	2.191	2.207	2.213	2.285	4.39
7)S 2-Fluorophenol	1.580	1.514	1.485	1.473	1.417	1.406	1.393	1.467	4.58
8)P bis(2-Chloroethyl	1.626	1.563	1.493	1.530	1.467	1.487	1.478	1.520	3.78
9)S Phenol-d5	1.995	1.895	1.789	1.766	1.694	1.669	1.615	1.775	7.51
10)P Phenol	2.193	2.116	2.026	1.985	1.931	1.879	1.687	1.974	8.37
11)P 2-Chlorophenol	1.738	1.676	1.583	1.617	1.551	1.581	1.592	1.620	4.02
12) 1,3-Dichlorobenze	1.772	1.795	1.671	1.633	1.612	1.614	1.601	1.671	4.80
13) 1,4-Dichlorobenze	1.835	1.765	1.688	1.659	1.619	1.597	1.557	1.674	5.83
14) 1,2-Dichlorobenze	1.674	1.694	1.615	1.568	1.516	1.501	1.447	1.574	5.85
15) Benzyl alcohol	1.149	1.158	1.113	1.104	1.047	1.068	1.046	1.098	4.18
16)P bis(2-chloroisopr	2.229	2.155	1.977	1.888	1.746	1.688	1.558	1.892	13.04
17)P 2-Methylphenol	1.588	1.537	1.479	1.451	1.371	1.329	1.296	1.436	7.57
18)P Acetophenone	2.260	2.218	2.177	2.151	2.083	2.082	2.097	2.153	3.26
19)P Hexachloroethane	0.706	0.677	0.665	0.684	0.641	0.636	0.614	0.660	4.81
20)P N-Nitroso-di-n-pr	1.043	1.039	0.960	0.949	0.908	0.897	0.863	0.951	7.28
21)P 3&4-Methylphenol	1.646	1.630	1.527	1.492	1.428	1.403	1.366	1.499	7.28
22) I Naphthalene-d8	----------ISTD----------								
23)S Nitrobenzene-d5	0.430	0.412	0.405	0.388	0.382	0.381	0.376	0.396	5.02
24)P Nitrobenzene	0.423	0.406	0.391	0.375	0.369	0.366	0.358	0.384	6.08
25)P Isophorone	0.765	0.744	0.717	0.681	0.684	0.681	0.685	0.708	4.89
26)P 2-Nitrophenol	0.230	0.220	0.219	0.212	0.212	0.212	0.209	0.216	3.37
27)P 2,4-Dimethylpheno	0.438	0.426	0.407	0.389	0.387	0.376	0.368	0.399	6.49
28)P bis(2-Chloroethox	0.471	0.446	0.436	0.421	0.408	0.411	0.399	0.427	5.89
29) Benzoic Acid	0.263	0.310	0.351	0.365	0.367	0.329		0.331	12.09
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9955									
Response Ratio = 0.00000 + 0.39285 *A + -0.02856 *A^2									
30)P 2,4-Dichloropheno	0.321	0.311	0.302	0.291	0.284	0.273	0.270	0.293	6.53
31) 1,2,4-Trichlorobe	0.374	0.351	0.339	0.325	0.316	0.317	0.304	0.332	7.22
32)P Naphthalene	1.235	1.174	1.140	1.080	1.059	1.054	1.012	1.108	7.08
33)P 4-Chloroaniline	0.502	0.484	0.474	0.448	0.433	0.429	0.406	0.454	7.54
34) 2,6-Dichloropheno	0.312	0.301	0.287	0.275	0.267	0.260	0.248	0.278	8.13
35)P Hexachlorobutadie	0.191	0.179	0.171	0.165	0.158	0.160	0.152	0.168	7.94
36)P Caprolactam	0.132	0.129	0.134	0.129	0.128	0.131	0.131	0.131	1.67
37)P 4-Chloro-3-methyl	0.351	0.357	0.344	0.330	0.332	0.328	0.327	0.338	3.62
38)P 2-Methylnaphthale	0.793	0.753	0.728	0.700	0.680	0.680	0.661	0.714	6.59
39) 1-Methylnaphthale	0.727	0.692	0.669	0.647	0.628	0.627	0.607	0.657	6.43

Initial Calibration Summary

Job Number: F97802 **Sample:** ST227-ICC227
Account: URSNCM URS Corporation **Lab FileID:** T004469.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
40)P 1,2,4,5-Tetrachlo 0.318 0.315 0.298 0.283 0.278 0.280 0.271 0.292   6.41

41) I   Acenaphthene-d10      ----------------ISTD---------------------
42)P Hexachlorocyclope 0.349 0.367 0.378 0.387 0.389 0.396 0.387 0.379   4.21
43)P 2,4,6-Trichloroph 0.466 0.448 0.441 0.434 0.420 0.425 0.423 0.437   3.75
44)P 2,4,5-Trichloroph 0.453 0.456 0.441 0.443 0.437 0.440 0.433 0.443   1.87
45)S 2-Fluorobiphenyl  1.526 1.462 1.416 1.389 1.367 1.346 1.303 1.401   5.33
46)P 1,1'-Biphenyl     1.757 1.669 1.607 1.506 1.455 1.432 1.347 1.539   9.40
47)P 2-Chloronaphthale 1.328 1.246 1.225 1.177 1.125 1.110 1.075 1.184   7.49
48)P 2-Nitroaniline    0.399 0.394 0.391 0.398 0.399 0.405 0.403 0.398   1.14
49)  p-Dinitrobenzene  0.239 0.234 0.252 0.262 0.262 0.264 0.267 0.254   5.08
50)P Acenaphthylene    2.222 2.079 2.017 2.046 2.024 1.992 1.944 2.046   4.32
51)P Dimethylphthalate 1.506 1.444 1.422 1.392 1.346 1.369 1.305 1.398   4.77
52)  m-Dinitrobenzene  0.247 0.256 0.259 0.261 0.263 0.260 0.259 0.258   2.07
53)P 2,6-Dinitrotoluen 0.329 0.328 0.325 0.327 0.326 0.333 0.336 0.329   1.26
54)  o-Dinitrobenzene  0.199 0.194 0.193 0.197 0.188 0.193 0.193 0.194   1.83
55)P Acenaphthene      1.331 1.271 1.250 1.238 1.202 1.209 1.181 1.240   4.08
56)P 3-Nitroaniline    0.404 0.408 0.401 0.409 0.404 0.410 0.423 0.408   1.73
57)P 2,4-Dinitrophenol             0.163 0.208 0.215 0.231 0.241 0.211  14.29
58)P Dibenzofuran      1.783 1.733 1.671 1.661 1.626 1.627 1.598 1.671   3.94
59)P 2,4-Dinitrotoluen 0.424 0.423 0.436 0.436 0.435 0.440 0.447 0.434   2.01
60)P 4-Nitrophenol     0.207 0.220 0.219 0.225 0.225 0.233 0.232 0.223   3.94
61)P 2,3,4,6-Tetrachlo 0.349 0.330 0.334 0.329 0.324 0.329 0.325 0.332   2.56
62)P Fluorene          1.456 1.385 1.366 1.360 1.336 1.322 1.313 1.363   3.55
63)P 4-Chlorophenyl-ph 0.695 0.662 0.636 0.622 0.610 0.598 0.581 0.629   6.22
64)P Diethylphthalate  1.508 1.450 1.392 1.389 1.352 1.333 1.293 1.388   5.21
65)P 4-Nitroaniline    0.396 0.377 0.390 0.397 0.395 0.404 0.413 0.396   2.83

66) I   Phenanthrene-d10      ----------------ISTD---------------------
67)P 4,6-Dinitro-2-met 0.093 0.124 0.143 0.157 0.158 0.161 0.166 0.143  18.39
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
              Response Ratio = 0.00000 + 0.14173 *A + 0.01005 *A^2

68)P n-Nitrosodiphenyl 0.596 0.610 0.567 0.558 0.549 0.546 0.537 0.566   4.82
69)  1,2-Diphenylhydra 0.917 0.861 0.920 0.911 0.886 0.881 0.855 0.890   3.00
70)S 2,4,6-Tribromophe 0.116 0.114 0.110 0.107 0.107 0.104 0.103 0.109   4.37
71)P 4-Bromophenyl-phe 0.228 0.225 0.214 0.211 0.205 0.205 0.203 0.213   4.77
72)P Hexachlorobenzene 0.255 0.241 0.233 0.230 0.226 0.224 0.222 0.233   5.06
73)  Simazine          0.104 0.102 0.100 0.100 0.099 0.101 0.100 0.101   1.71
74)P Atrazine          0.216 0.227 0.213 0.211 0.208 0.208 0.204 0.213   3.58
75)P Pentachlorophenol 0.140 0.150 0.161 0.159 0.160 0.164 0.162 0.157   5.42
76)P Phenanthrene      1.265 1.244 1.170 1.141 1.122 1.112 1.095 1.164   5.70
77)P Anthracene        1.300 1.243 1.193 1.160 1.155 1.147 1.126 1.189   5.21
78)P Carbazole         1.127 1.074 1.029 1.009 0.991 0.990 0.977 1.028   5.29
79)P Di-n-butylphthala 1.293 1.312 1.272 1.248 1.235 1.243 1.229 1.262   2.50
80)P Fluoranthene      1.115 1.103 1.055 1.045 1.030 1.039 1.040 1.061   3.17

81) I   Chrysene-d12          ----------------ISTD---------------------
82)  Benzidine         0.750 0.732 0.747 0.724 0.681 0.628 0.570 0.690   9.90
83)P Pyrene            1.463 1.420 1.358 1.349 1.324 1.320 1.324 1.365   4.04
84)S Terphenyl-d14     0.993 0.951 0.959 0.938 0.932 0.933 0.921 0.947   2.53
85)P Butylbenzylphthal 0.607 0.615 0.638 0.640 0.644 0.642 0.647 0.633   2.47
86)P 3,3'-Dichlorobenz 0.437 0.408 0.432 0.444 0.441 0.431 0.416 0.430   3.13
87)P Benzo[a]anthracen 1.160 1.124 1.109 1.133 1.129 1.122 1.123 1.129   1.39
88)P Chrysene          1.104 1.066 1.053 1.060 1.037 1.042 1.030 1.056   2.32
89)P bis(2-Ethylhexyl) 0.785 0.800 0.812 0.828 0.829 0.832 0.835 0.817   2.32

90) I   Perylene-d12          ----------------ISTD---------------------
91)P Di-n-octylphthala 1.217 1.309 1.419 1.483 1.457 1.514 1.508 1.415   7.90
92)P Benzo[b]fluoranth 1.112 1.125 1.118 1.116 1.145 1.159 1.156 1.133   1.76
```

Initial Calibration Summary

Job Number: F97802 **Sample:** ST227-ICC227
Account: URSNCM URS Corporation **Lab FileID:** T004469.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
93)P Benzo[k]fluoranth 1.226 1.267 1.203 1.196 1.132 1.138 1.136 1.185   4.40
94)P Benzo[a]pyrene    1.047 1.100 1.100 1.091 1.090 1.121 1.117 1.095   2.22
95)P Indeno[1,2,3-cd]p 0.769 0.825 0.854 0.893 0.903 0.937 0.948 0.876   7.30
96)P Dibenz[a,h]anthra 0.840 0.885 0.923 0.951 0.927 0.958 0.955 0.920   4.73
97)P Benzo[g,h,i]peryl 1.015 1.013 1.046 1.029 1.007 1.031 1.022 1.023   1.29
---------------------------------------------------------------------------
(#) = Out of Range

          8270d.m           Wed Oct 10 09:49:01 2012
```

7.7.1

7

Initial Calibration Verification

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: ST227-ICV227
Lab FileID: T004471.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\2\DATA\100912\T004471.D          Vial: 12
Acq On    :  9 Oct 2012   7:32 pm                   Operator: fouads
Sample    : icv227-50                               Inst    : MSBNA06
Misc      : op43453,st227,30.4,,,1,1,soil           Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\msdchem\2\METHODS\8270d.m (RTE Integrator)
Title        : SW846 8270D OR EPA 625
Last Update  : Wed Oct 10 09:02:20 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	98	0.00	4.15
2		1,4-Dioxane	50.000	45.072	9.9	88	0.01	1.58
3		N-nitrosodimethylamine	50.000	45.577	8.8	90	0.00	1.91
4		Pyridine		----------NA----------				
		----------	Amount	Calc.	%Drift		----------	
5	P	Benzaldehyde	50.000	51.526	-3.1	98	0.00	3.83
		----------	Amount	Calc.	%Drift		----------	
6		Aniline		----------NA----------				
7	S	2-Fluorophenol		----------NA----------				
8	P	bis(2-Chloroethyl)ether	50.000	45.363	9.3	88	0.00	4.00
9	S	Phenol-d5		----------NA----------				
10	P	Phenol	50.000	44.520	11.0	87	-0.01	3.96
11	P	2-Chlorophenol	50.000	46.583	6.8	92	0.00	4.02
12		1,3-Dichlorobenzene	50.000	46.283	7.4	93	0.00	4.12
13		1,4-Dichlorobenzene	50.000	47.029	5.9	93	0.00	4.16
14		1,2-Dichlorobenzene	50.000	47.976	4.0	94	0.00	4.30
15		Benzyl alcohol		----------NA----------				
16	P	bis(2-chloroisopropyl)eth	50.000	44.716	10.6	88	0.00	4.40
17	P	2-Methylphenol	50.000	45.774	8.5	89	0.00	4.39
18	P	Acetophenone	50.000	47.306	5.4	93	0.00	4.47
19	P	Hexachloroethane	50.000	46.897	6.2	89	0.00	4.52
20	P	N-Nitroso-di-n-propylamin	50.000	43.385	13.2	85	-0.01	4.49
21	P	3&4-Methylphenol	100.000	86.232	13.8	88	0.00	4.50
22	I	Naphthalene-d8	40.000	40.000	0.0	94	0.00	5.11
23	S	Nitrobenzene-d5		----------NA----------				
24	P	Nitrobenzene	50.000	47.036	5.9	90	0.00	4.59
25	P	Isophorone		----------NA----------				
26	P	2-Nitrophenol	50.000	46.490	7.0	89	0.00	4.83
27	P	2,4-Dimethylphenol	50.000	41.344	17.3	80	0.00	4.88
28	P	bis(2-Chloroethoxy)methan	50.000	45.581	8.8	87	0.00	4.95
29		Benzoic Acid	100.000	89.408	10.6	0	0.00	5.03
30	P	2,4-Dichlorophenol	50.000	44.966	10.1	85	0.00	5.02
31		1,2,4-Trichlorobenzene	50.000	46.969	6.1	90	0.00	5.09
32	P	Naphthalene	50.000	47.338	5.3	91	0.00	5.14
33	P	4-Chloroaniline		----------NA----------				
34		2,6-Dichlorophenol	50.000	47.901	4.2	91	0.00	5.22
35	P	Hexachlorobutadiene	50.000	47.623	4.8	91	0.00	5.31
36	P	Caprolactam	50.000	45.693	8.6	87	-0.03	5.52
37	P	4-Chloro-3-methylphenol	50.000	45.449	9.1	88	0.00	5.69
38	P	2-Methylnaphthalene		----------NA----------				

Initial Calibration Verification

Job Number: F97802 **Sample:** ST227-ICV227
Account: URSNCM URS Corporation **Lab FileID:** T004471.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

39		1-Methylnaphthalene	50.000	46.655	6.7	89	0.00	5.91
40	P	1,2,4,5-Tetrachlorobenzen	50.000	44.909	10.2	87	0.00	6.02
41	I	Acenaphthene-d10	40.000	40.000	0.0	95	0.00	7.08
42	P	Hexachlorocyclopentadiene	50.000	48.968	2.1	91	0.00	6.05
43	P	2,4,6-Trichlorophenol	50.000	45.022	10.0	86	0.00	6.15
44	P	2,4,5-Trichlorophenol	50.000	46.350	7.3	88	0.00	6.19
45	S	2-Fluorobiphenyl		----------NA----------				
46	P	1,1'-Biphenyl	50.000	45.695	8.6	89	0.00	6.34
47	P	2-Chloronaphthalene	50.000	46.618	6.8	89	0.00	6.33
48	P	2-Nitroaniline		----------NA----------				
49		p-Dinitrobenzene		----------NA----------				
50	P	Acenaphthylene	50.000	45.931	8.1	87	0.00	6.87
51	P	Dimethylphthalate	50.000	44.761	10.5	86	-0.01	6.84
52		m-Dinitrobenzene		----------NA----------				
53	P	2,6-Dinitrotoluene	50.000	43.054	13.9	82	-0.01	6.91
54		o-Dinitrobenzene		----------NA----------				
55	P	Acenaphthene	50.000	46.433	7.1	89	-0.01	7.12
56	P	3-Nitroaniline		----------NA----------				
57	P	2,4-Dinitrophenol	100.000	83.688	16.3	66	-0.01	7.22
58	P	Dibenzofuran		----------NA----------				
59	P	2,4-Dinitrotoluene	50.000	44.527	10.9	84	-0.01	7.46
60	P	4-Nitrophenol	100.000	90.213	9.8	78	-0.01	7.40
61	P	2,3,4,6-Tetrachlorophenol	50.000	43.979	12.0	84	0.00	7.63
62	P	Fluorene	50.000	45.845	8.3	87	-0.01	7.87
63	P	4-Chlorophenyl-phenylethe	50.000	45.651	8.7	88	0.00	7.92
64	P	Diethylphthalate	50.000	45.052	9.9	86	-0.01	7.90
65	P	4-Nitroaniline		----------NA----------				
66	I	Phenanthrene-d10	40.000	40.000	0.0	89	0.00	9.37
		----------	Amount	Calc.	%Drift		----------	
67	P	4,6-Dinitro-2-methylpheno	100.000	94.261	5.7	78	-0.02	8.07
		----------	Amount	Calc.	%Drift		----------	
68	P	n-Nitrosodiphenylamine	50.000	47.506	7.0	71	-0.02	8.13
69		1,2-Diphenylhydrazine	50.000	48.146	3.7	84	0.00	8.16
70	S	2,4,6-Tribromophenol		----------NA----------				
71	P	4-Bromophenyl-phenylether	50.000	47.886	4.2	86	0.00	8.69
72	P	Hexachlorobenzene	50.000	46.376	7.2	83	0.00	8.88
73		Simazine		----------NA----------				
74	P	Atrazine	50.000	46.947	6.1	84	-0.02	9.15
75	P	Pentachlorophenol	100.000	94.236	5.8	75	0.00	9.21
76	P	Phenanthrene	50.000	48.453	3.1	88	0.00	9.41
77	P	Anthracene	50.000	47.496	5.0	86	-0.01	9.48
78	P	Carbazole		----------NA----------				
79	P	Di-n-butylphthalate	50.000	45.664	8.7	82	0.00	10.75
80	P	Fluoranthene	50.000	45.810	8.4	83	0.00	11.51
81	I	Chrysene-d12	40.000	40.000	0.0	87	-0.01	14.17
82		Benzidine		----------NA----------				
83	P	Pyrene	50.000	50.136	-0.3	89	-0.01	11.89
84	S	Terphenyl-d14		----------NA----------				
85	P	Butylbenzylphthalate	50.000	47.469	5.1	82	0.00	13.48
86	P	3,3'-Dichlorobenzidine		----------NA----------				
87	P	Benzo[a]anthracene	50.000	47.691	4.6	83	-0.01	14.14
88	P	Chrysene	50.000	48.283	3.4	84	-0.02	14.21
89	P	bis(2-Ethylhexyl)phthalat	50.000	46.690	6.6	81	0.00	14.71
90	I	Perylene-d12	40.000	40.000	0.0	85	0.00	16.63

Initial Calibration Verification

Job Number: F97802 **Sample:** ST227-ICV227
Account: URSNCM URS Corporation **Lab FileID:** T004471.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

91	P	Di-n-octylphthalate	50.000	49.044	1.9	79	0.00	15.82
92	P	Benzo[b]fluoranthene	50.000	50.799	-1.6	87	-0.02	16.03
93	P	Benzo[k]fluoranthene	50.000	48.443	3.1	81	-0.02	16.08
94	P	Benzo[a]pyrene	50.000	46.659	6.7	79	-0.02	16.53
95	P	Indeno[1,2,3-cd]pyrene	50.000	50.158	-0.3	83	-0.01	18.19
96	P	Dibenz[a,h]anthracene	50.000	50.946	-1.9	83	-0.02	18.25
97	P	Benzo[g,h,i]perylene	50.000	49.586	0.8	83	-0.02	18.52

(#) = Out of Range SPCC's out = 0 CCC's out = 0
T004467.D 8270d.m Wed Oct 10 09:36:58 2012

7.7.2

7

Initial Calibration Verification

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: ST227-ICV227
Lab FileID: T004472.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\2\DATA\100912\T004472.D          Vial: 13
Acq On    :  9 Oct 2012   8:00 pm                   Operator: fouads
Sample    : icv227-50                               Inst    : MSBNA06
Misc      : op43453,st227,30.4,,,1,1,soil           Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\msdchem\2\METHODS\8270d.m (RTE Integrator)
Title        : SW846 8270D OR EPA 625
Last Update  : Wed Oct 10 09:02:20 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	112	0.00	4.15
2		1,4-Dioxane		----------NA----------				
3		N-nitrosodimethylamine		----------NA----------				
4		Pyridine	50.000	50.453	-0.9	108	0.00	1.89
		----------	Amount	Calc.	%Drift	----------		
5	P	Benzaldehyde	25.000	26.182	-4.7	105	0.00	3.83
		----------	Amount	Calc.	%Drift	----------		
6		Aniline	50.000	43.828	12.3	100	0.00	3.94
7	S	2-Fluorophenol		----------NA----------				
8	P	bis(2-Chloroethyl)ether		----------NA----------				
9	S	Phenol-d5		----------NA----------				
10	P	Phenol		----------NA----------				
11	P	2-Chlorophenol		----------NA----------				
12		1,3-Dichlorobenzene		----------NA----------				
13		1,4-Dichlorobenzene		----------NA----------				
14		1,2-Dichlorobenzene		----------NA----------				
15		Benzyl alcohol	50.000	49.368	1.3	110	0.00	4.28
16	P	bis(2-chloroisopropyl)eth		----------NA----------				
17	P	2-Methylphenol		----------NA----------				
18	P	Acetophenone		----------NA----------				
19	P	Hexachloroethane		----------NA----------				
20	P	N-Nitroso-di-n-propylamin		----------NA----------				
21	P	3&4-Methylphenol		----------NA----------				
22	I	Naphthalene-d8	40.000	40.000	0.0	110	0.00	5.11
23	S	Nitrobenzene-d5		----------NA----------				
24	P	Nitrobenzene		----------NA----------				
25	P	Isophorone	50.000	46.346	7.3	106	0.00	4.76
26	P	2-Nitrophenol		----------NA----------				
27	P	2,4-Dimethylphenol		----------NA----------				
28	P	bis(2-Chloroethoxy)methan		----------NA----------				
29		Benzoic Acid		----------NA----------				
30	P	2,4-Dichlorophenol		----------NA----------				
31		1,2,4-Trichlorobenzene		----------NA----------				
32	P	Naphthalene		----------NA----------				
33	P	4-Chloroaniline	50.000	46.398	7.2	103	0.00	5.21
34		2,6-Dichlorophenol		----------NA----------				
35	P	Hexachlorobutadiene		----------NA----------				
36	P	Caprolactam		----------NA----------				
37	P	4-Chloro-3-methylphenol		----------NA----------				

Initial Calibration Verification

Job Number: F97802 **Sample:** ST227-ICV227
Account: URSNCM URS Corporation **Lab FileID:** T004472.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

38	P	2-Methylnaphthalene	50.000	48.248	3.5	108	0.00	5.79
39		1-Methylnaphthalene		----------NA----------				
40	P	1,2,4,5-Tetrachlorobenzen		----------NA----------				
41	I	Acenaphthene-d10	40.000	40.000	0.0	110	0.00	7.08
42	P	Hexachlorocyclopentadiene		----------NA----------				
43	P	2,4,6-Trichlorophenol		----------NA----------				
44	P	2,4,5-Trichlorophenol		----------NA----------				
45	S	2-Fluorobiphenyl		----------NA----------				
46	P	1,1'-Biphenyl		----------NA----------				
47	P	2-Chloronaphthalene		----------NA----------				
48	P	2-Nitroaniline	50.000	49.349	1.3	109	0.00	6.52
49		p-Dinitrobenzene		----------NA----------				
50	P	Acenaphthylene		----------NA----------				
51	P	Dimethylphthalate		----------NA----------				
52		m-Dinitrobenzene	50.000	48.552	2.9	106	-0.01	6.82
53	P	2,6-Dinitrotoluene		----------NA----------				
54		o-Dinitrobenzene		----------NA----------				
55	P	Acenaphthene		----------NA----------				
56	P	3-Nitroaniline	50.000	47.202	5.6	104	-0.01	7.09
57	P	2,4-Dinitrophenol		----------NA----------				
58	P	Dibenzofuran	50.000	50.787	-1.6	112	-0.01	7.35
59	P	2,4-Dinitrotoluene		----------NA----------				
60	P	4-Nitrophenol		----------NA----------				
61	P	2,3,4,6-Tetrachlorophenol		----------NA----------				
62	P	Fluorene		----------NA----------				
63	P	4-Chlorophenyl-phenylethe		----------NA----------				
64	P	Diethylphthalate		----------NA----------				
65	P	4-Nitroaniline	50.000	50.854	-1.7	112	-0.03	8.00
66	I	Phenanthrene-d10	40.000	40.000	0.0	108	0.00	9.37
		----------	Amount	Calc.	%Drift	----------		
67	P	4,6-Dinitro-2-methylpheno		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
68	P	n-Nitrosodiphenylamine		----------NA----------				
69		1,2-Diphenylhydrazine		----------NA----------				
70	S	2,4,6-Tribromophenol		----------NA----------				
71	P	4-Bromophenyl-phenylether		----------NA----------				
72	P	Hexachlorobenzene		----------NA----------				
73		Simazine	50.000	66.675	-33.3#	146	-0.02	9.07
74	P	Atrazine		----------NA----------				
75	P	Pentachlorophenol		----------NA----------				
76	P	Phenanthrene		----------NA----------				
77	P	Anthracene		----------NA----------				
78	P	Carbazole	50.000	50.691	-1.4	112	0.00	9.83
79	P	Di-n-butylphthalate		----------NA----------				
80	P	Fluoranthene		----------NA----------				
81	I	Chrysene-d12	40.000	40.000	0.0	110	-0.02	14.16
82		Benzidine	50.000	56.699	-13.4	118	0.00	11.89
83	P	Pyrene		----------NA----------				
84	S	Terphenyl-d14		----------NA----------				
85	P	Butylbenzylphthalate		----------NA----------				
86	P	3,3'-Dichlorobenzidine	50.000	40.871	18.3	87	-0.01	14.26
87	P	Benzo[a]anthracene		----------NA----------				
88	P	Chrysene		----------NA----------				
89	P	bis(2-Ethylhexyl)phthalat		----------NA----------				

7.7.3

7

Initial Calibration Verification

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: ST227-ICV227
Lab FileID: T004472.D

90	I	Perylene-d12	40.000	40.000	0.0	108	0.00	16.63
91	P	Di-n-octylphthalate		----------NA----------				
92	P	Benzo[b]fluoranthene		----------NA----------				
93	P	Benzo[k]fluoranthene		----------NA----------				
94	P	Benzo[a]pyrene		----------NA----------				
95	P	Indeno[1,2,3-cd]pyrene		----------NA----------				
96	P	Dibenz[a,h]anthracene		----------NA----------				
97	P	Benzo[g,h,i]perylene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
T004467.D 8270d.m Wed Oct 10 09:42:08 2012

7.7.3

7

Continuing Calibration Summary

Job Number: F97802 **Sample:** ST233-CC227
Account: URSNCM URS Corporation **Lab FileID:** T004597.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\2\DATA\101612\T004597.D          Vial: 2
Acq On    : 16 Oct 2012  11:09 am                   Operator: fouads
Sample    : cc227-50                                Inst    : MSBNA06
Misc      : op43453,st233,30.4,,,1,1,soil           Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\msdchem\2\METHODS\8270d.m (RTE Integrator)
Title        : SW846 8270D OR EPA 625
Last Update  : Tue Oct 16 11:32:43 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	114	0.00	3.99
2		1,4-Dioxane	0.712	0.721	-1.3	115	-0.05	1.39
3		N-nitrosodimethylamine	0.650	0.679	-4.5	120	-0.02	1.70
4		Pyridine	1.471	1.615	-9.8	119	-0.02	1.67
		----------	Amount	Calc.	%Drift		----------	
5	P	Benzaldehyde	50.000	57.117	-14.2	121	0.00	3.67
		----------	AvgRF	CCRF	%Dev		----------	
6		Aniline	2.285	2.342	-2.5	118	0.00	3.78
7	S	2-Fluorophenol	1.467	1.567	-6.8	121	0.00	3.05
8	P	bis(2-Chloroethyl)ether	1.520	1.542	-1.4	115	0.00	3.84
9	S	Phenol-d5	1.775	1.845	-3.9	119	0.00	3.81
10	P	Phenol	1.974	1.855	6.0	107	0.00	3.82
11	P	2-Chlorophenol	1.620	1.659	-2.4	117	0.00	3.86
12		1,3-Dichlorobenzene	1.671	1.712	-2.5	120	0.00	3.96
13		1,4-Dichlorobenzene	1.674	1.699	-1.5	117	0.00	4.00
14		1,2-Dichlorobenzene	1.574	1.573	0.1	114	0.00	4.14
15		Benzyl alcohol	1.098	1.102	-0.4	114	0.00	4.13
16	P	bis(2-chloroisopropyl)eth	1.892	1.774	6.2	107	0.00	4.24
17	P	2-Methylphenol	1.436	1.451	-1.0	114	-0.02	4.24
18	P	Acetophenone	2.153	2.137	0.7	113	0.00	4.31
19	P	Hexachloroethane	0.660	0.651	1.4	109	0.00	4.36
20	P	N-Nitroso-di-n-propylamin	0.951	0.961	-1.1	116	-0.02	4.34
21	P	3&4-Methylphenol	1.499	1.511	-0.8	116	0.00	4.35
22	I	Naphthalene-d8	1.000	1.000	0.0	113	0.00	4.94
23	S	Nitrobenzene-d5	0.396	0.399	-0.8	116	0.00	4.42
24	P	Nitrobenzene	0.384	0.384	0.0	115	0.00	4.43
25	P	Isophorone	0.708	0.715	-1.0	119	0.00	4.61
26	P	2-Nitrophenol	0.216	0.225	-4.2	119	0.00	4.67
27	P	2,4-Dimethylphenol	0.399	0.409	-2.5	119	0.01	4.72
28	P	bis(2-Chloroethoxy)methan	0.427	0.438	-2.6	118	0.01	4.79
		----------	Amount	Calc.	%Drift		----------	
29		Benzoic Acid	50.000	58.785	-17.6	127	0.01	4.86
		----------	AvgRF	CCRF	%Dev		----------	
30	P	2,4-Dichlorophenol	0.293	0.300	-2.4	117	0.00	4.85
31		1,2,4-Trichlorobenzene	0.332	0.337	-1.5	117	0.00	4.91
32	P	Naphthalene	1.108	1.133	-2.3	118	0.00	4.95
33	P	4-Chloroaniline	0.454	0.463	-2.0	117	0.00	5.03

Continuing Calibration Summary

Job Number: F97802 **Sample:** ST233-CC227
Account: URSNCM URS Corporation **Lab FileID:** T004597.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

34		2,6-Dichlorophenol	0.278	0.285	-2.5	117	0.00	5.03
35	P	Hexachlorobutadiene	0.168	0.171	-1.8	117	0.00	5.12
36	P	Caprolactam	0.131	0.132	-0.8	116	-0.01	5.34
37	P	4-Chloro-3-methylphenol	0.338	0.351	-3.8	120	0.00	5.50
38	P	2-Methylnaphthalene	0.714	0.739	-3.5	119	0.00	5.58
39		1-Methylnaphthalene	0.657	0.680	-3.5	119	0.00	5.69
40	P	1,2,4,5-Tetrachlorobenzen	0.292	0.296	-1.4	118	0.00	5.80
41	I	Acenaphthene-d10	1.000	1.000	0.0	115	0.00	6.83
42	P	Hexachlorocyclopentadiene	0.379	0.406	-7.1	120	0.00	5.84
43	P	2,4,6-Trichlorophenol	0.437	0.447	-2.3	118	0.00	5.93
44	P	2,4,5-Trichlorophenol	0.443	0.465	-5.0	120	0.00	5.97
45	S	2-Fluorobiphenyl	1.401	1.428	-1.9	118	0.00	6.02
46	P	1,1'-Biphenyl	1.539	1.542	-0.2	117	0.00	6.11
47	P	2-Chloronaphthalene	1.184	1.236	-4.4	120	0.00	6.10
48	P	2-Nitroaniline	0.398	0.423	-6.3	122	0.00	6.29
49		p-Dinitrobenzene	0.254	0.278	-9.4	122	0.00	6.44
50	P	Acenaphthylene	2.046	2.076	-1.5	116	0.00	6.62
51	P	Dimethylphthalate	1.398	1.407	-0.6	116	0.00	6.60
52		m-Dinitrobenzene	0.258	0.277	-7.4	122	0.00	6.59
53	P	2,6-Dinitrotoluene	0.329	0.350	-6.4	122	0.00	6.67
54		o-Dinitrobenzene	0.194	0.197	-1.5	114	0.00	6.75
55	P	Acenaphthene	1.240	1.274	-2.7	118	0.00	6.87
56	P	3-Nitroaniline	0.408	0.444	-8.8	124	0.00	6.84
57	P	2,4-Dinitrophenol	0.211	0.260	-23.2#	143	0.00	6.98
58	P	Dibenzofuran	1.671	1.718	-2.8	118	0.00	7.10
59	P	2,4-Dinitrotoluene	0.434	0.462	-6.5	122	0.00	7.21
60	P	4-Nitrophenol	0.223	0.246	-10.3	125	0.00	7.15
61	P	2,3,4,6-Tetrachlorophenol	0.332	0.359	-8.1	125	0.00	7.36
62	P	Fluorene	1.363	1.427	-4.7	120	0.00	7.60
63	P	4-Chlorophenyl-phenylethe	0.629	0.635	-1.0	117	0.01	7.66
64	P	Diethylphthalate	1.388	1.413	-1.8	117	0.02	7.65
65	P	4-Nitroaniline	0.396	0.429	-8.3	124	0.00	7.75
66	I	Phenanthrene-d10	1.000	1.000	0.0	115	0.00	9.07
		----------	Amount	Calc.	%Drift	----------		
67	P	4,6-Dinitro-2-methylpheno	50.000	56.846	-13.7	130	-0.02	7.81
		----------	AvgRF	CCRF	%Dev	----------		
68	P	n-Nitrosodiphenylamine	0.566	0.593	-4.8	122	-0.02	7.87
69		1,2-Diphenylhydrazine	0.890	0.930	-4.5	117	-0.02	7.89
70	S	2,4,6-Tribromophenol	0.109	0.118	-8.3	126	-0.02	8.00
71	P	4-Bromophenyl-phenylether	0.213	0.219	-2.8	119	-0.01	8.41
72	P	Hexachlorobenzene	0.233	0.243	-4.3	121	-0.01	8.59
73		Simazine	0.101	0.090	10.9	103	0.00	8.80
74	P	Atrazine	0.213	0.218	-2.3	118	0.00	8.88
75	P	Pentachlorophenol	0.157	0.174	-10.8	125	0.00	8.92
76	P	Phenanthrene	1.164	1.211	-4.0	122	0.00	9.11
77	P	Anthracene	1.189	1.242	-4.5	123	0.00	9.19
78	P	Carbazole	1.028	1.086	-5.6	123	0.00	9.53
79	P	Di-n-butylphthalate	1.262	1.348	-6.8	124	0.05	10.46
80	P	Fluoranthene	1.061	1.135	-7.0	124	0.04	11.19
81	I	Chrysene-d12	1.000	1.000	0.0	121	0.00	13.84
82		Benzidine	0.690	0.779	-12.9	130	-0.03	11.58
83	P	Pyrene	1.365	1.380	-1.1	124	-0.05	11.57
84	S	Terphenyl-d14	0.947	0.966	-2.0	124	-0.02	12.05
85	P	Butylbenzylphthalate	0.633	0.676	-6.8	128	0.01	13.17
86	P	3,3'-Dichlorobenzidine	0.430	0.485	-12.8	132	0.01	13.93

Continuing Calibration Summary

Job Number: F97802 **Sample:** ST233-CC227
Account: URSNCM URS Corporation **Lab FileID:** T004597.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

87	P	Benzo[a]anthracene	1.129	1.195	-5.8	127	0.00	13.81
88	P	Chrysene	1.056	1.081	-2.4	123	0.00	13.89
89	P	bis(2-Ethylhexyl)phthalat	0.817	0.882	-8.0	129	0.05	14.41
90	I	Perylene-d12	1.000	1.000	0.0	125	0.00	16.28
91	P	Di-n-octylphthalate	1.415	1.573	-11.2	132	0.02	15.51
92	P	Benzo[b]fluoranthene	1.133	1.264	-11.6	141	-0.02	15.70
93	P	Benzo[k]fluoranthene	1.185	1.142	3.6	119	-0.02	15.74
94	P	Benzo[a]pyrene	1.095	1.177	-7.5	135	-0.01	16.19
95	P	Indeno[1,2,3-cd]pyrene	0.876	1.038	-18.5	145	0.02	17.84
96	P	Dibenz[a,h]anthracene	0.920	1.053	-14.5	138	0.02	17.91
97	P	Benzo[g,h,i]perylene	1.023	1.111	-8.6	135	0.00	18.17

(#) = Out of Range SPCC's out = 0 CCC's out = 0
T004467.D 8270d.m Wed Oct 17 11:10:10 2012

7.7.4

7

Initial Calibration Summary

Job Number: F97802 **Sample:** ST234-ICC234
Account: URSNCM URS Corporation **Lab FileID:** T004628.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Response Factor Report MSBNA06

Method : C:\msdchem\2\METHODS\8270d.m (RTE Integrator)
Title : SW846 8270D OR EPA 625
Last Update : Wed Oct 17 16:18:08 2012
Response via : Initial Calibration

Calibration Files
5 =T004623.D 10 =T004624.D 25 =T004625.D 50 =T004626.D
60 =T004627.D 75 =T004628.D 100 =T004629.D

Compound	5	10	25	50	60	75	100	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	----------ISTD----------								
2) 1,4-Dioxane	0.714	0.711	0.654	0.668	0.657	0.674	0.670	0.678	3.59
3) N-nitrosodimethyl	0.743	0.692	0.687	0.683	0.664	0.666	0.657	0.685	4.19
4) Pyridine	1.606	1.629	1.549	1.568	1.512	1.569	1.604	1.577	2.51
5)P Benzaldehyde	1.151	1.147	1.044	0.895	0.859	0.800	0.672	0.938	19.36
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9997									
Response Ratio = 0.00000 + 1.14655 *A + -0.18929 *A^2									
6) Aniline	2.441	2.418	2.312	2.292	2.255	2.231	2.208	2.308	3.91
7)S 2-Fluorophenol	1.579	1.552	1.499	1.473	1.457	1.451	1.406	1.488	4.05
8)P bis(2-Chloroethyl	1.608	1.608	1.519	1.514	1.485	1.480	1.448	1.523	4.11
9)S Phenol-d5	2.003	1.946	1.840	1.770	1.714	1.699	1.640	1.802	7.46
10)P Phenol	2.000	2.019	1.870	1.848	1.773	1.725	1.644	1.840	7.52
11)P 2-Chlorophenol	1.711	1.679	1.604	1.604	1.574	1.568	1.538	1.611	3.87
12) 1,3-Dichlorobenze	1.760	1.725	1.625	1.616	1.589	1.580	1.555	1.636	4.72
13) 1,4-Dichlorobenze	1.788	1.733	1.637	1.585	1.583	1.565	1.509	1.628	6.07
14) 1,2-Dichlorobenze	1.659	1.676	1.550	1.448	1.421	1.387	1.300	1.492	9.47
15) Benzyl alcohol	1.171	1.193	1.098	1.052	1.029	0.998	0.928	1.067	8.83
16)P bis(2-chloroisopr	2.185	2.115	1.957	1.731	1.648	1.623	1.471	1.819	14.84
17)P 2-Methylphenol	1.581	1.550	1.475	1.396	1.344	1.312	1.261	1.417	8.60
18)P Acetophenone	2.266	2.256	2.196	2.109	2.087	2.108	2.053	2.153	3.95
19)P Hexachloroethane	0.733	0.716	0.664	0.607	0.581	0.539	0.482	0.617	14.96
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9999									
Response Ratio = 0.00000 + 0.72749 *A + -0.09854 *A^2									
20)P N-Nitroso-di-n-pr	1.150	1.121	1.040	0.915	0.884	0.848	0.762	0.960	15.22
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9997									
Response Ratio = 0.00000 + 1.09199 *A + -0.13252 *A^2									
21)P 3&4-Methylphenol	1.677	1.621	1.524	1.374	1.316	1.269	1.146	1.418	13.75
22) I Naphthalene-d8	----------ISTD----------								
23)S Nitrobenzene-d5	0.430	0.419	0.402	0.392	0.390	0.380	0.382	0.399	4.78
24)P Nitrobenzene	0.413	0.401	0.389	0.379	0.375	0.365	0.357	0.383	5.17
25)P Isophorone	0.759	0.743	0.704	0.701	0.687	0.684	0.704	0.712	3.97
26)P 2-Nitrophenol	0.222	0.223	0.212	0.219	0.211	0.209	0.210	0.215	2.64
27)P 2,4-Dimethylpheno	0.442	0.421	0.403	0.395	0.383	0.380	0.373	0.400	6.16
28)P bis(2-Chloroethox	0.460	0.445	0.430	0.422	0.418	0.412	0.408	0.428	4.42
29) Benzoic Acid	0.327	0.333	0.372	0.336	0.337	0.355	0.380	0.349	5.90
30)P 2,4-Dichloropheno	0.313	0.296	0.286	0.280	0.277	0.275	0.275	0.286	4.99
31) 1,2,4-Trichlorobe	0.339	0.345	0.325	0.316	0.310	0.309	0.295	0.320	5.54
32)P Naphthalene	1.192	1.157	1.097	1.076	1.063	1.036	1.008	1.090	5.99
33)P 4-Chloroaniline	0.513	0.493	0.469	0.442	0.436	0.419	0.401	0.453	8.87
34) 2,6-Dichloropheno	0.303	0.296	0.278	0.265	0.257	0.252	0.248	0.272	8.01
35)P Hexachlorobutadie	0.176	0.175	0.165	0.160	0.159	0.152	0.150	0.162	6.24
36)P Caprolactam	0.136	0.127	0.132	0.131	0.127	0.132	0.131	0.131	2.35

Initial Calibration Summary

Job Number: F97802 **Sample:** ST234-ICC234
Account: URSNCM URS Corporation **Lab FileID:** T004628.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

37)P 4-Chloro-3-methyl	0.366	0.360	0.345	0.345	0.337	0.335	0.336	0.346	3.51
38)P 2-Methylnaphthale	0.791	0.751	0.712	0.711	0.695	0.672	0.672	0.715	6.05
39) 1-Methylnaphthale	0.700	0.674	0.658	0.646	0.641	0.623	0.620	0.652	4.33
40)P 1,2,4,5-Tetrachlo	0.312	0.300	0.287	0.282	0.275	0.274	0.269	0.286	5.41
41) I Acenaphthene-d10	----------ISTD----------								
42)P Hexachlorocyclope	0.339	0.372	0.384	0.379	0.374	0.378	0.365	0.370	4.09
43)P 2,4,6-Trichloroph	0.442	0.449	0.425	0.411	0.415	0.415	0.403	0.423	4.00
44)P 2,4,5-Trichloroph	0.470	0.457	0.442	0.430	0.425	0.423	0.414	0.437	4.61
45)S 2-Fluorobiphenyl	1.478	1.454	1.375	1.336	1.315	1.320	1.277	1.365	5.51
46)P 1,1'-Biphenyl	1.692	1.692	1.614	1.512	1.459	1.458	1.341	1.538	8.61
47)P 2-Chloronaphthale	1.330	1.304	1.248	1.153	1.133	1.116	1.066	1.193	8.48
48)P 2-Nitroaniline	0.437	0.435	0.423	0.413	0.403	0.410	0.405	0.418	3.35
49) p-Dinitrobenzene	0.270	0.276	0.272	0.270	0.269	0.275	0.268	0.271	1.23
50)P Acenaphthylene	2.215	2.136	2.061	1.896	1.877	1.844	1.745	1.968	8.72
51)P Dimethylphthalate	1.491	1.474	1.399	1.290	1.274	1.254	1.146	1.333	9.48
52) m-Dinitrobenzene	0.248	0.261	0.258	0.257	0.255	0.257	0.247	0.255	2.12
53)P 2,6-Dinitrotoluen	0.359	0.336	0.326	0.328	0.324	0.324	0.325	0.332	3.85
54) o-Dinitrobenzene	0.207	0.203	0.196	0.196	0.194	0.196	0.192	0.198	2.56
55)P Acenaphthene	1.317	1.294	1.253	1.201	1.195	1.191	1.159	1.230	4.77
56)P 3-Nitroaniline	0.416	0.420	0.423	0.421	0.420	0.424	0.415	0.420	0.78
57)P 2,4-Dinitrophenol	0.166	0.190	0.212	0.239	0.240	0.247	0.255	0.221	14.92
58)P Dibenzofuran	1.745	1.744	1.676	1.624	1.576	1.592	1.552	1.644	4.81
59)P 2,4-Dinitrotoluen	0.445	0.456	0.438	0.431	0.430	0.433	0.431	0.438	2.19
60)P 4-Nitrophenol	0.243	0.243	0.239	0.243	0.241	0.246	0.240	0.242	0.93
61)P 2,3,4,6-Tetrachlo	0.335	0.349	0.334	0.322	0.320	0.326	0.316	0.329	3.47
62)P Fluorene	1.452	1.440	1.397	1.331	1.328	1.329	1.298	1.368	4.46
63)P 4-Chlorophenyl-ph	0.677	0.668	0.633	0.586	0.584	0.578	0.545	0.610	8.16
64)P Diethylphthalate	1.537	1.485	1.414	1.321	1.299	1.307	1.222	1.369	8.25
65)P 4-Nitroaniline	0.411	0.402	0.409	0.404	0.404	0.409	0.407	0.407	0.83
66) I Phenanthrene-d10	----------ISTD----------								
67)P 4,6-Dinitro-2-met	0.134	0.144	0.158	0.164	0.165	0.166	0.173	0.158	8.81
68)P n-Nitrosodiphenyl	0.624	0.626	0.594	0.563	0.565	0.551	0.542	0.581	5.89
69) 1,2-Diphenylhydra	1.042	1.019	0.968	0.932	0.927	0.903	0.881	0.953	6.25
70)S 2,4,6-Tribromophe	0.119	0.118	0.113	0.111	0.110	0.109	0.108	0.113	3.70
71)P 4-Bromophenyl-phe	0.225	0.215	0.214	0.210	0.211	0.207	0.210	0.213	2.79
72)P Hexachlorobenzene	0.258	0.235	0.237	0.227	0.230	0.226	0.228	0.234	4.74
73) Simazine	0.113	0.111	0.108	0.100	0.099	0.096	0.092	0.103	7.69
74)P Atrazine	0.227	0.226	0.222	0.208	0.210	0.206	0.199	0.214	5.14
75)P Pentachlorophenol	0.154	0.157	0.164	0.160	0.162	0.163	0.163	0.161	2.30
76)P Phenanthrene	1.289	1.227	1.192	1.145	1.152	1.130	1.131	1.181	5.03
77)P Anthracene	1.312	1.274	1.252	1.188	1.193	1.169	1.170	1.223	4.63
78)P Carbazole	1.120	1.106	1.063	1.029	1.027	1.023	1.033	1.057	3.83
79)P Di-n-butylphthala	1.396	1.368	1.330	1.294	1.291	1.276	1.280	1.319	3.56
80)P Fluoranthene	1.174	1.153	1.117	1.066	1.082	1.073	1.075	1.106	3.90
81) I Chrysene-d12	----------ISTD----------								
82) Benzidine	0.946	0.907	0.846	0.777	0.752	0.710	0.619	0.794	14.37
83)P Pyrene	1.438	1.400	1.348	1.341	1.340	1.310	1.322	1.357	3.35
84)S Terphenyl-d14	0.962	0.932	0.922	0.928	0.927	0.921	0.925	0.931	1.50
85)P Butylbenzylphthal	0.668	0.658	0.637	0.654	0.653	0.650	0.651	0.653	1.44
86)P 3,3'-Dichlorobenz	0.479	0.465	0.453	0.446	0.441	0.436	0.425	0.449	4.06
87)P Benzo[a]anthracen	1.185	1.157	1.125	1.137	1.135	1.136	1.140	1.145	1.76
88)P Chrysene	1.110	1.098	1.037	1.047	1.036	1.047	1.035	1.058	3.01
89)P bis(2-Ethylhexyl)	0.868	0.856	0.837	0.856	0.854	0.838	0.850	0.851	1.27
90) I Perylene-d12	----------ISTD----------								
91)P Di-n-octylphthala	1.531	1.535	1.527	1.505	1.511	1.509	1.497	1.516	0.94
92)P Benzo[b]fluoranth	1.241	1.214	1.202	1.181	1.195	1.134	1.161	1.190	2.97

Initial Calibration Summary

Job Number: F97802 **Sample:** ST234-ICC234
Account: URSNCM URS Corporation **Lab FileID:** T004628.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
93)P Benzo[k]fluoranth 1.206 1.151 1.116 1.078 1.094 1.079 1.020 1.106   5.39
94)P Benzo[a]pyrene    1.142 1.117 1.114 1.090 1.105 1.119 1.107 1.113   1.44
95)P Indeno[1,2,3-cd]p 1.001 0.987 0.986 0.994 1.012 1.021 1.031 1.005   1.73
96)P Dibenz[a,h]anthra 1.001 0.993 0.980 0.986 1.000 1.019 1.012 0.999   1.38
97)P Benzo[g,h,i]peryl 1.105 1.092 1.057 1.041 1.049 1.073 1.072 1.070   2.16
---------------------------------------------------------------------------
(#) = Out of Range

          8270d.m           Thu Oct 18 08:29:23 2012
```

Initial Calibration Verification

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: ST234-ICV234
Lab FileID: T004630.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\2\DATA\101712\T004630.D          Vial: 10
Acq On    : 17 Oct 2012   4:18 pm                   Operator: fouads
Sample    : icv234-50                               Inst    : MSBNA06
Misc      : op43453,st234,30.4,,,1,1,soil           Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\msdchem\2\METHODS\8270d.m (RTE Integrator)
Title        : SW846 8270D OR EPA 625
Last Update  : Wed Oct 17 16:18:08 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	74	0.00	3.94
2		1,4-Dioxane	50.000	50.442	-0.9	76	0.01	1.35
3		N-nitrosodimethylamine	50.000	52.258	-4.5	78	0.00	1.63
4		Pyridine		----------NA----------				
		----------	Amount	Calc.	%Drift		----------	
5	P	Benzaldehyde		----------NA----------				
		----------	Amount	Calc.	%Drift		----------	
6		Aniline		----------NA----------				
7	S	2-Fluorophenol		----------NA----------				
8	P	bis(2-Chloroethyl)ether	50.000	50.278	-0.6	75	0.00	3.80
9	S	Phenol-d5		----------NA----------				
10	P	Phenol	50.000	53.230	-6.5	79	0.00	3.77
11	P	2-Chlorophenol	50.000	51.639	-3.3	77	0.00	3.81
12		1,3-Dichlorobenzene	50.000	51.806	-3.6	78	0.00	3.91
13		1,4-Dichlorobenzene	50.000	52.313	-4.6	80	0.00	3.95
14		1,2-Dichlorobenzene	50.000	54.100	-8.2	83	0.00	4.09
15		Benzyl alcohol		----------NA----------				
16	P	bis(2-chloroisopropyl)eth	50.000	50.706	-1.4	79	0.00	4.20
17	P	2-Methylphenol	50.000	50.315	-0.6	76	0.00	4.20
18	P	Acetophenone	50.000	53.081	-6.2	81	0.00	4.27
		----------	Amount	Calc.	%Drift		----------	
19	P	Hexachloroethane	50.000	50.489	-1.0	75	0.00	4.31
20	P	N-Nitroso-di-n-propylamin	50.000	53.595	-7.2	80	0.00	4.30
		----------	Amount	Calc.	%Drift		----------	
21	P	3&4-Methylphenol	100.000	99.252	0.7	96	0.00	4.31
22	I	Naphthalene-d8	40.000	40.000	0.0	75	0.00	4.88
23	S	Nitrobenzene-d5		----------NA----------				
24	P	Nitrobenzene	50.000	50.432	-0.9	76	0.00	4.39
25	P	Isophorone	50.000	42.411	15.2	65	0.00	4.56
26	P	2-Nitrophenol	50.000	49.462	1.1	73	0.00	4.62
27	P	2,4-Dimethylphenol	50.000	43.160	13.7	65	0.00	4.68
28	P	bis(2-Chloroethoxy)methan	50.000	49.688	0.6	76	0.00	4.74
29		Benzoic Acid	100.000	98.441	1.6	72	0.00	4.83
30	P	2,4-Dichlorophenol	50.000	50.178	-0.4	77	0.00	4.80
31		1,2,4-Trichlorobenzene	50.000	51.185	-2.4	78	0.00	4.86
32	P	Naphthalene	50.000	50.758	-1.5	77	0.00	4.90
33	P	4-Chloroaniline		----------NA----------				

Initial Calibration Verification

Job Number: F97802 **Sample:** ST234-ICV234
Account: URSNCM URS Corporation **Lab FileID:** T004630.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

34		2,6-Dichlorophenol	50.000	52.866	-5.7	81	0.00	4.98
35	P	Hexachlorobutadiene	50.000	53.156	-6.3	81	0.00	5.07
36	P	Caprolactam	50.000	50.252	-0.5	76	-0.03	5.28
37	P	4-Chloro-3-methylphenol	50.000	49.354	1.3	74	-0.01	5.44
38	P	2-Methylnaphthalene		----------NA----------				
39		1-Methylnaphthalene	50.000	51.317	-2.6	78	0.00	5.63
40	P	1,2,4,5-Tetrachlorobenzen	50.000	48.901	2.2	74	0.00	5.74
41	I	Acenaphthene-d10	40.000	40.000	0.0	74	0.00	6.75
42	P	Hexachlorocyclopentadiene	50.000	54.001	-8.0	78	0.00	5.76
43	P	2,4,6-Trichlorophenol	50.000	49.513	1.0	76	0.00	5.86
44	P	2,4,5-Trichlorophenol	50.000	50.818	-1.6	77	0.00	5.90
45	S	2-Fluorobiphenyl		----------NA----------				
46	P	1,1'-Biphenyl	50.000	50.676	-1.4	77	0.00	6.04
47	P	2-Chloronaphthalene	50.000	49.330	1.3	76	0.00	6.03
48	P	2-Nitroaniline		----------NA----------				
49		p-Dinitrobenzene		----------NA----------				
50	P	Acenaphthylene	50.000	50.011	-0.0	77	0.00	6.54
51	P	Dimethylphthalate	50.000	50.117	-0.2	77	-0.01	6.53
52		m-Dinitrobenzene		----------NA----------				
53	P	2,6-Dinitrotoluene	50.000	47.285	5.4	71	-0.01	6.59
54		o-Dinitrobenzene		----------NA----------				
55	P	Acenaphthene	50.000	50.465	-0.9	77	-0.01	6.79
56	P	3-Nitroaniline		----------NA----------				
57	P	2,4-Dinitrophenol	100.000	100.641	-0.6	68	-0.01	6.90
58	P	Dibenzofuran		----------NA----------				
59	P	2,4-Dinitrotoluene	50.000	47.832	4.3	72	-0.02	7.12
60	P	4-Nitrophenol	100.000	97.102	2.9	76	0.00	7.08
61	P	2,3,4,6-Tetrachlorophenol	50.000	49.158	1.7	75	0.00	7.28
62	P	Fluorene	50.000	49.916	0.2	76	0.00	7.51
63	P	4-Chlorophenyl-phenylethe	50.000	49.052	1.9	76	0.00	7.57
64	P	Diethylphthalate	50.000	48.717	2.6	75	-0.01	7.56
65	P	4-Nitroaniline		----------NA----------				
66	I	Phenanthrene-d10	40.000	40.000	0.0	71	0.00	8.97
67	P	4,6-Dinitro-2-methylpheno	100.000	112.465	-12.5	77	-0.02	7.72
68	P	n-Nitrosodiphenylamine	50.000	48.918	2.2	60	-0.01	7.78
69		1,2-Diphenylhydrazine	50.000	50.178	-0.4	73	0.00	7.80
70	S	2,4,6-Tribromophenol		----------NA----------				
71	P	4-Bromophenyl-phenylether	50.000	51.310	-2.6	74	0.00	8.32
72	P	Hexachlorobenzene	50.000	51.011	-2.0	75	0.00	8.50
73		Simazine		----------NA----------				
74	P	Atrazine	50.000	53.236	-6.5	78	-0.02	8.79
75	P	Pentachlorophenol	100.000	101.953	-2.0	76	0.00	8.83
76	P	Phenanthrene	50.000	52.443	-4.9	77	0.00	9.02
77	P	Anthracene	50.000	50.911	-1.8	74	-0.01	9.09
78	P	Carbazole		----------NA----------				
79	P	Di-n-butylphthalate	50.000	49.769	0.5	72	0.00	10.36
80	P	Fluoranthene	50.000	49.477	1.0	73	-0.01	11.09
81	I	Chrysene-d12	40.000	40.000	0.0	70	-0.01	13.73
82		Benzidine		----------NA----------				
83	P	Pyrene	50.000	54.970	-9.9	78	0.00	11.46
84	S	Terphenyl-d14		----------NA----------				
85	P	Butylbenzylphthalate	50.000	51.357	-2.7	72	0.00	13.07
86	P	3,3'-Dichlorobenzidine		----------NA----------				
87	P	Benzo[a]anthracene	50.000	53.276	-6.6	75	0.00	13.71
88	P	Chrysene	50.000	52.031	-4.1	73	-0.01	13.78
89	P	bis(2-Ethylhexyl)phthalat	50.000	51.059	-2.1	71	0.00	14.32

Initial Calibration Verification

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: ST234-ICV234
Lab FileID: T004630.D

90	I	Perylene-d12	40.000	40.000	0.0	68	-0.01	16.17
91	P	Di-n-octylphthalate	50.000	51.530	-3.1	70	-0.01	15.41
92	P	Benzo[b]fluoranthene	50.000	51.860	-3.7	71	-0.02	15.58
93	P	Benzo[k]fluoranthene	50.000	54.407	-8.8	76	-0.02	15.63
94	P	Benzo[a]pyrene	50.000	49.879	0.2	69	-0.02	16.07
95	P	Indeno[1,2,3-cd]pyrene	50.000	52.502	-5.0	72	-0.02	17.73
96	P	Dibenz[a,h]anthracene	50.000	52.838	-5.7	72	-0.02	17.79
97	P	Benzo[g,h,i]perylene	50.000	52.209	-4.4	73	-0.02	18.06

(#) = Out of Range SPCC's out = 0 CCC's out = 0
T004626.D 8270d.m Thu Oct 18 08:21:31 2012

7.7.6

7

Initial Calibration Verification

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: ST234-ICV234
Lab FileID: T004631.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\2\DATA\101712\T004631.D          Vial: 11
Acq On    : 17 Oct 2012   4:46 pm                   Operator: fouads
Sample    : icv234-50                               Inst    : MSBNA06
Misc      : op43453,st234,30.4,,,1,1,soil           Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\msdchem\2\METHODS\8270d.m (RTE Integrator)
Title        : SW846 8270D OR EPA 625
Last Update  : Wed Oct 17 16:18:08 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	88	0.00	3.94
2		1,4-Dioxane		----------NA----------				
3		N-nitrosodimethylamine		----------NA----------				
4		Pyridine	50.000	48.833	2.3	87	0.00	1.61
		----------	Amount	Calc.	%Drift	----------		
5	P	Benzaldehyde	25.000	30.978	-23.9#	121	0.00	3.62
		----------	Amount	Calc.	%Drift	----------		
6		Aniline	50.000	43.401	13.2	77	0.00	3.73
7	S	2-Fluorophenol		----------NA----------				
8	P	bis(2-Chloroethyl)ether		----------NA----------				
9	S	Phenol-d5		----------NA----------				
10	P	Phenol		----------NA----------				
11	P	2-Chlorophenol		----------NA----------				
12		1,3-Dichlorobenzene		----------NA----------				
13		1,4-Dichlorobenzene		----------NA----------				
14		1,2-Dichlorobenzene		----------NA----------				
15		Benzyl alcohol	50.000	48.296	3.4	86	0.00	4.08
16	P	bis(2-chloroisopropyl)eth		----------NA----------				
17	P	2-Methylphenol		----------NA----------				
18	P	Acetophenone		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
19	P	Hexachloroethane		----------NA----------				
20	P	N-Nitroso-di-n-propylamin		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
21	P	3&4-Methylphenol		----------NA----------				
22	I	Naphthalene-d8	40.000	40.000	0.0	88	0.00	4.88
23	S	Nitrobenzene-d5		----------NA----------				
24	P	Nitrobenzene		----------NA----------				
25	P	Isophorone	50.000	45.294	9.4	81	0.00	4.56
26	P	2-Nitrophenol		----------NA----------				
27	P	2,4-Dimethylphenol		----------NA----------				
28	P	bis(2-Chloroethoxy)methan		----------NA----------				
29		Benzoic Acid		----------NA----------				
30	P	2,4-Dichlorophenol		----------NA----------				
31		1,2,4-Trichlorobenzene		----------NA----------				
32	P	Naphthalene		----------NA----------				
33	P	4-Chloroaniline	50.000	45.628	8.7	82	-0.01	4.97

Initial Calibration Verification

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: ST234-ICV234
Lab FileID: T004631.D

34		2,6-Dichlorophenol		----------NA----------				
35	P	Hexachlorobutadiene		----------NA----------				
36	P	Caprolactam		----------NA----------				
37	P	4-Chloro-3-methylphenol		----------NA----------				
38	P	2-Methylnaphthalene	50.000	46.919	6.2	83	0.00	5.52
39		1-Methylnaphthalene		----------NA----------				
40	P	1,2,4,5-Tetrachlorobenzen		----------NA----------				
41	I	Acenaphthene-d10	40.000	40.000	0.0	85	0.00	6.75
42	P	Hexachlorocyclopentadiene		----------NA----------				
43	P	2,4,6-Trichlorophenol		----------NA----------				
44	P	2,4,5-Trichlorophenol		----------NA----------				
45	S	2-Fluorobiphenyl		----------NA----------				
46	P	1,1'-Biphenyl		----------NA----------				
47	P	2-Chloronaphthalene		----------NA----------				
48	P	2-Nitroaniline	50.000	48.299	3.4	84	0.00	6.22
49		p-Dinitrobenzene		----------NA----------				
50	P	Acenaphthylene		----------NA----------				
51	P	Dimethylphthalate		----------NA----------				
52		m-Dinitrobenzene	50.000	47.474	5.1	80	-0.02	6.51
53	P	2,6-Dinitrotoluene		----------NA----------				
54		o-Dinitrobenzene		----------NA----------				
55	P	Acenaphthene		----------NA----------				
56	P	3-Nitroaniline	50.000	45.155	9.7	77	-0.02	6.76
57	P	2,4-Dinitrophenol		----------NA----------				
58	P	Dibenzofuran	50.000	48.909	2.2	85	-0.01	7.01
59	P	2,4-Dinitrotoluene		----------NA----------				
60	P	4-Nitrophenol		----------NA----------				
61	P	2,3,4,6-Tetrachlorophenol		----------NA----------				
62	P	Fluorene		----------NA----------				
63	P	4-Chlorophenyl-phenylethe		----------NA----------				
64	P	Diethylphthalate		----------NA----------				
65	P	4-Nitroaniline	50.000	49.149	1.7	85	-0.04	7.64
66	I	Phenanthrene-d10	40.000	40.000	0.0	84	-0.01	8.97
67	P	4,6-Dinitro-2-methylpheno		----------NA----------				
68	P	n-Nitrosodiphenylamine		----------NA----------				
69		1,2-Diphenylhydrazine		----------NA----------				
70	S	2,4,6-Tribromophenol		----------NA----------				
71	P	4-Bromophenyl-phenylether		----------NA----------				
72	P	Hexachlorobenzene		----------NA----------				
73		Simazine	50.000	49.991	0.0	86	-0.03	8.70
74	P	Atrazine		----------NA----------				
75	P	Pentachlorophenol		----------NA----------				
76	P	Phenanthrene		----------NA----------				
77	P	Anthracene		----------NA----------				
78	P	Carbazole	50.000	49.329	1.3	85	-0.01	9.43
79	P	Di-n-butylphthalate		----------NA----------				
80	P	Fluoranthene		----------NA----------				
81	I	Chrysene-d12	40.000	40.000	0.0	88	-0.02	13.72
82		Benzidine	50.000	50.780	-1.6	91	0.00	11.48
83	P	Pyrene		----------NA----------				
84	S	Terphenyl-d14		----------NA----------				
85	P	Butylbenzylphthalate		----------NA----------				
86	P	3,3'-Dichlorobenzidine	50.000	40.302	19.4	71	-0.01	13.83
87	P	Benzo[a]anthracene		----------NA----------				
88	P	Chrysene		----------NA----------				
89	P	bis(2-Ethylhexyl)phthalat		----------NA----------				

Initial Calibration Verification

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: ST234-ICV234
Lab FileID: T004631.D

90	I	Perylene-d12	40.000	40.000	0.0	86	-0.01	16.17
91	P	Di-n-octylphthalate		----------NA----------				
92	P	Benzo[b]fluoranthene		----------NA----------				
93	P	Benzo[k]fluoranthene		----------NA----------				
94	P	Benzo[a]pyrene		----------NA----------				
95	P	Indeno[1,2,3-cd]pyrene		----------NA----------				
96	P	Dibenz[a,h]anthracene		----------NA----------				
97	P	Benzo[g,h,i]perylene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
T004626.D 8270d.m Thu Oct 18 08:28:36 2012

7.2.7

7

Continuing Calibration Summary

Job Number: F97802 **Sample:** ST235-CC234
Account: URSNCM URS Corporation **Lab FileID:** T004646.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\2\DATA\101812\T004646.D          Vial: 2
Acq On    : 18 Oct 2012  10:57 am                   Operator: fouads
Sample    : cc234-50                                Inst    : MSBNA06
Misc      : op43453,st235,30.4,,,1,1,soil           Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\msdchem\2\METHODS\8270d.m (RTE Integrator)
Title        : SW846 8270D OR EPA 625
Last Update  : Thu Oct 18 15:36:13 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00	3.94
2		1,4-Dioxane	0.678	0.693	-2.2	98	0.00	1.34
3		N-nitrosodimethylamine	0.685	0.675	1.5	94	0.00	1.63
4		Pyridine	1.577	1.610	-2.1	98	0.00	1.61
		----------	Amount	Calc.	%Drift		----------	
5	P	Benzaldehyde	50.000	71.622	-43.2#	123	0.00	3.62
		----------	AvgRF	CCRF	%Dev		----------	
6		Aniline	2.308	2.285	1.0	95	0.00	3.74
7	S	2-Fluorophenol	1.488	1.472	1.1	95	0.00	3.00
8	P	bis(2-Chloroethyl)ether	1.523	1.443	5.3	90	0.00	3.80
9	S	Phenol-d5	1.802	1.709	5.2	92	0.00	3.77
10	P	Phenol	1.840	1.739	5.5	89	0.00	3.77
11	P	2-Chlorophenol	1.611	1.553	3.6	92	0.00	3.81
12		1,3-Dichlorobenzene	1.636	1.613	1.4	95	0.00	3.91
13		1,4-Dichlorobenzene	1.628	1.607	1.3	96	0.00	3.95
14		1,2-Dichlorobenzene	1.492	1.478	0.9	97	0.00	4.09
15		Benzyl alcohol	1.067	1.018	4.6	92	0.00	4.08
16	P	bis(2-chloroisopropyl)eth	1.819	1.681	7.6	92	0.00	4.20
17	P	2-Methylphenol	1.417	1.341	5.4	91	0.00	4.20
18	P	Acetophenone	2.153	2.181	-1.3	98	0.00	4.27
		----------	Amount	Calc.	%Drift		----------	
19	P	Hexachloroethane	50.000	49.428	1.1	94	0.00	4.31
20	P	N-Nitroso-di-n-propylamin	50.000	47.360	5.3	92	0.00	4.30
		----------	AvgRF	CCRF	%Dev		----------	
21	P	3&4-Methylphenol	1.418	1.335	5.9	92	0.00	4.31
22	I	Naphthalene-d8	1.000	1.000	0.0	94	0.00	4.88
23	S	Nitrobenzene-d5	0.399	0.380	4.8	91	0.00	4.37
24	P	Nitrobenzene	0.383	0.368	3.9	91	0.00	4.39
25	P	Isophorone	0.712	0.678	4.8	91	0.00	4.56
26	P	2-Nitrophenol	0.215	0.213	0.9	91	0.00	4.62
27	P	2,4-Dimethylphenol	0.400	0.388	3.0	92	0.00	4.68
28	P	bis(2-Chloroethoxy)methan	0.428	0.405	5.4	90	0.00	4.74
29		Benzoic Acid	0.349	0.377	-8.0	105	-0.03	4.80
30	P	2,4-Dichlorophenol	0.286	0.276	3.5	93	0.00	4.80
31		1,2,4-Trichlorobenzene	0.320	0.314	1.9	93	0.00	4.86
32	P	Naphthalene	1.090	1.059	2.8	92	0.00	4.90
33	P	4-Chloroaniline	0.453	0.438	3.3	93	0.00	4.98

Continuing Calibration Summary

Job Number: F97802 **Sample:** ST235-CC234
Account: URSNCM URS Corporation **Lab FileID:** T004646.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

34		2,6-Dichlorophenol	0.272	0.264	2.9	93	0.00	4.98
35	P	Hexachlorobutadiene	0.162	0.160	1.2	94	0.00	5.07
36	P	Caprolactam	0.131	0.135	-3.1	97	-0.02	5.28
37	P	4-Chloro-3-methylphenol	0.346	0.333	3.8	90	0.00	5.44
38	P	2-Methylnaphthalene	0.715	0.686	4.1	91	0.00	5.52
39		1-Methylnaphthalene	0.652	0.628	3.7	91	0.00	5.63
40	P	1,2,4,5-Tetrachlorobenzen	0.286	0.284	0.7	94	0.00	5.74
41	I	Acenaphthene-d10	1.000	1.000	0.0	92	0.00	6.75
42	P	Hexachlorocyclopentadiene	0.370	0.371	-0.3	90	0.00	5.76
43	P	2,4,6-Trichlorophenol	0.423	0.422	0.2	94	0.00	5.86
44	P	2,4,5-Trichlorophenol	0.437	0.434	0.7	93	0.00	5.90
45	S	2-Fluorobiphenyl	1.365	1.329	2.6	91	0.00	5.95
46	P	1,1'-Biphenyl	1.538	1.593	-3.6	97	0.00	6.04
47	P	2-Chloronaphthalene	1.193	1.162	2.6	92	0.00	6.03
48	P	2-Nitroaniline	0.418	0.404	3.3	90	0.00	6.22
49		p-Dinitrobenzene	0.271	0.265	2.2	90	0.00	6.37
50	P	Acenaphthylene	1.968	1.907	3.1	92	0.00	6.54
51	P	Dimethylphthalate	1.333	1.300	2.5	92	0.00	6.53
52		m-Dinitrobenzene	0.255	0.259	-1.6	92	0.00	6.51
53	P	2,6-Dinitrotoluene	0.332	0.323	2.7	90	0.00	6.60
54		o-Dinitrobenzene	0.198	0.191	3.5	90	0.00	6.67
55	P	Acenaphthene	1.230	1.188	3.4	91	0.00	6.79
56	P	3-Nitroaniline	0.420	0.407	3.1	89	0.00	6.76
57	P	2,4-Dinitrophenol	0.221	0.224	-1.4	86	0.00	6.90
58	P	Dibenzofuran	1.644	1.587	3.5	90	0.00	7.01
59	P	2,4-Dinitrotoluene	0.438	0.426	2.7	91	0.00	7.13
60	P	4-Nitrophenol	0.242	0.237	2.1	89	0.00	7.07
61	P	2,3,4,6-Tetrachlorophenol	0.329	0.318	3.3	90	0.00	7.28
62	P	Fluorene	1.368	1.316	3.8	91	0.00	7.51
63	P	4-Chlorophenyl-phenylethe	0.610	0.580	4.9	91	0.00	7.57
64	P	Diethylphthalate	1.369	1.287	6.0	89	0.00	7.56
65	P	4-Nitroaniline	0.407	0.394	3.2	90	-0.01	7.66
66	I	Phenanthrene-d10	1.000	1.000	0.0	90	0.00	8.97
67	P	4,6-Dinitro-2-methylpheno	0.158	0.160	-1.3	88	-0.01	7.72
68	P	n-Nitrosodiphenylamine	0.581	0.561	3.4	90	0.00	7.78
69		1,2-Diphenylhydrazine	0.953	0.911	4.4	88	0.00	7.80
70	S	2,4,6-Tribromophenol	0.113	0.111	1.8	91	0.00	7.92
71	P	4-Bromophenyl-phenylether	0.213	0.208	2.3	90	0.00	8.32
72	P	Hexachlorobenzene	0.234	0.232	0.9	92	0.00	8.50
73		Simazine	0.103	0.116	-12.6	105	0.00	8.71
74	P	Atrazine	0.214	0.228	-6.5	99	0.00	8.79
75	P	Pentachlorophenol	0.161	0.163	-1.2	92	0.00	8.83
76	P	Phenanthrene	1.181	1.140	3.5	90	0.00	9.02
77	P	Anthracene	1.223	1.175	3.9	89	0.00	9.09
78	P	Carbazole	1.057	1.013	4.2	89	0.00	9.43
79	P	Di-n-butylphthalate	1.319	1.267	3.9	88	0.00	10.36
80	P	Fluoranthene	1.106	1.061	4.1	90	0.00	11.09
81	I	Chrysene-d12	1.000	1.000	0.0	92	0.00	13.73
82		Benzidine	0.794	0.939	-18.3	111	0.00	11.48
83	P	Pyrene	1.357	1.310	3.5	90	0.00	11.46
84	S	Terphenyl-d14	0.931	0.912	2.0	90	0.00	11.96
85	P	Butylbenzylphthalate	0.653	0.632	3.2	89	0.00	13.07
86	P	3,3'-Dichlorobenzidine	0.449	0.444	1.1	92	0.00	13.83
87	P	Benzo[a]anthracene	1.145	1.103	3.7	89	0.00	13.70
88	P	Chrysene	1.058	1.010	4.5	89	0.00	13.78
89	P	bis(2-Ethylhexyl)phthalat	0.851	0.806	5.3	87	0.00	14.31

Continuing Calibration Summary

Job Number: F97802 **Sample:** ST235-CC234
Account: URSNCM URS Corporation **Lab FileID:** T004646.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

90	I	Perylene-d12	1.000	1.000	0.0	89	0.00	16.17
91	P	Di-n-octylphthalate	1.516	1.456	4.0	86	0.00	15.41
92	P	Benzo[b]fluoranthene	1.190	1.127	5.3	85	0.00	15.58
93	P	Benzo[k]fluoranthene	1.106	1.102	0.4	91	0.00	15.63
94	P	Benzo[a]pyrene	1.113	1.081	2.9	88	0.00	16.07
95	P	Indeno[1,2,3-cd]pyrene	1.005	0.962	4.3	86	0.00	17.73
96	P	Dibenz[a,h]anthracene	0.999	0.956	4.3	86	0.00	17.79
97	P	Benzo[g,h,i]perylene	1.070	1.026	4.1	88	0.00	18.06

(#) = Out of Range SPCC's out = 0 CCC's out = 0
T004626.D 8270d.m Thu Oct 18 16:45:11 2012

7.7.8

7

Initial Calibration Summary

Job Number: F97802 **Sample:** SX1244-ICC1244
Account: URSNCM URS Corporation **Lab FileID:** X025741.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Response Factor Report MSBNA05

Method : C:\msdchem\1\METHODS\8270d.m (RTE Integrator)
Title : SW846 8270D OR EPA 625
Last Update : Mon Oct 01 15:48:17 2012
Response via : Initial Calibration

Calibration Files
5 =X025736.D 10 =X025737.D 25 =X025738.D 50 =X025739.D
60 =X025740.D 75 =X025741.D 100 =X025742.D

Compound	5	10	25	50	60	75	100	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	----------ISTD----------								
2) 1,4-Dioxane	0.533	0.539	0.533	0.525	0.519	0.519	0.497	0.524	2.70
3) N-nitrosodimethyl	0.899	0.919	0.869	0.839	0.815	0.823	0.814	0.854	4.95
4) Pyridine	1.553	1.428	1.396	1.427	1.361	1.424	1.450	1.434	4.16
5)S 2-Fluorophenol	1.341	1.328	1.290	1.222	1.184	1.168	1.136	1.238	6.59
6)P Benzaldehyde	0.990	0.981	0.877	0.594	0.526	0.443		0.735	33.04
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9918									
Response Ratio = 0.00000 + 1.00040 *A + -0.30478 *A^2									
7) Aniline	2.149	2.083	2.094	2.025	1.947	1.943	1.987	2.033	3.88
8)P bis(2-Chloroethyl	1.364	1.325	1.251	1.147	1.088	1.057	0.983	1.174	12.21
9)S Phenol-d5	1.745	1.729	1.588	1.478	1.415	1.369	1.300	1.518	11.49
10)P Phenol	1.780	1.767	1.736	1.568	1.493	1.371	1.366	1.583	11.45
11)P 2-Chlorophenol	1.456	1.496	1.460	1.372	1.298	1.250	1.111	1.349	10.25
12) 1,3-Dichlorobenze	1.590	1.636	1.590	1.518	1.459	1.428	1.366	1.513	6.55
13) 1,4-Dichlorobenze	1.660	1.649	1.608	1.514	1.430	1.411	1.347	1.517	8.25
14) 1,2-Dichlorobenze	1.564	1.589	1.518	1.410	1.362	1.318	1.274	1.434	8.68
15) Benzyl alcohol	0.990	0.966	0.924	0.919	0.857	0.867	0.893	0.917	5.34
16)P 2-Methylphenol	1.333	1.363	1.328	1.280	1.208	1.211	1.207	1.276	5.28
17)P bis(2-chloroisopr	2.691	2.699	2.561	2.384	2.265	2.228	2.145	2.425	9.37
18)P Acetophenone	1.992	1.977	1.914	1.831	1.738	1.732	1.765	1.850	6.02
19)P N-Nitroso-di-n-pr	1.003	1.019	0.974	0.957	0.878	0.884	0.885	0.943	6.36
20)P 3&4-Methylphenol	1.453	1.446	1.402	1.342	1.253	1.260	1.254	1.344	6.72
21)P Hexachloroethane	0.664	0.672	0.649	0.626	0.601	0.587	0.551	0.621	7.10
22) I Naphthalene-d8	----------ISTD----------								
23)S Nitrobenzene-d5	0.386	0.385	0.385	0.374	0.364	0.363	0.357	0.374	3.23
24)P Nitrobenzene	0.382	0.386	0.374	0.371	0.360	0.346	0.348	0.367	4.35
25)P Isophorone	0.669	0.673	0.658	0.658	0.626	0.636	0.649	0.653	2.60
26)P 2-Nitrophenol	0.207	0.217	0.217	0.213	0.208	0.203	0.201	0.209	3.06
27)P 2,4-Dimethylpheno	0.380	0.370	0.355	0.352	0.339	0.334	0.320	0.350	5.93
28)P bis(2-Chloroethox	0.406	0.409	0.402	0.397	0.384	0.380	0.377	0.394	3.33
29) Benzoic Acid	0.316	0.343	0.303	0.338	0.317	0.328	0.348	0.328	5.02
30)P 2,4-Dichloropheno	0.333	0.323	0.311	0.301	0.286	0.277	0.267	0.300	8.09
31) 1,2,4-Trichlorobe	0.345	0.345	0.335	0.326	0.314	0.311	0.299	0.325	5.51
32)P Naphthalene	1.127	1.108	1.070	1.010	0.952	0.939	0.881	1.012	9.18
33)P 4-Chloroaniline	0.487	0.486	0.449	0.418	0.398	0.377	0.352	0.424	12.33
34) 2,6-Dichloropheno	0.333	0.322	0.304	0.289	0.271	0.269	0.258	0.292	9.76
35)P Hexachlorobutadie	0.197	0.187	0.183	0.177	0.169	0.166	0.152	0.176	8.51
36)P Caprolactam	0.120	0.121	0.108	0.110	0.104	0.114	0.131	0.115	8.00
37)P 4-Chloro-3-methyl	0.327	0.315	0.302	0.300	0.285	0.283	0.286	0.300	5.47
38)P 2-Methylnaphthale	0.736	0.737	0.691	0.671	0.640	0.618	0.864	0.708	11.57
39) 1-Methylnaphthale	0.680	0.679	0.636	0.621	0.593	0.581	0.562	0.622	7.44
40)P 1,2,4,5-Tetrachlo	0.336	0.334	0.324	0.314	0.300	0.298	0.288	0.313	5.96
41) I Acenaphthene-d10	----------ISTD----------								

Initial Calibration Summary

Job Number: F97802 **Sample:** SX1244-ICC1244
Account: URSNCM URS Corporation **Lab FileID:** X025741.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

42)P	Hexachlorocyclope	0.346	0.361	0.387	0.385	0.388	0.363	0.342	0.367	5.30
43)P	2,4,6-Trichloroph	0.433	0.438	0.430	0.413	0.410	0.389	0.381	0.414	5.28
44)P	2,4,5-Trichloroph	0.468	0.459	0.444	0.433	0.421	0.407	0.373	0.429	7.58
45)S	2-Fluorobiphenyl	1.496	1.475	1.438	1.353	1.317	1.269	1.177	1.361	8.57
46)P	1,1'-Biphenyl	1.693	1.652	1.554	1.480	1.417	1.335	1.204	1.476	11.78
47)P	2-Chloronaphthale	1.295	1.274	1.216	1.144	1.113	1.065	0.995	1.157	9.53
48)P	2-Nitroaniline	0.417	0.427	0.410	0.404	0.391	0.386	0.378	0.402	4.35
49)	p-Dinitrobenzene	0.255	0.254	0.252	0.253	0.241	0.238	0.241	0.248	2.97
50)P	Dimethylphthalate	1.421	1.375	1.254	1.220	1.163	1.146	1.118	1.242	9.37
51)	m-Dinitrobenzene	0.239	0.241	0.223	0.215	0.203	0.201	0.200	0.217	8.16
52)P	2,6-Dinitrotoluen	0.318	0.321	0.313	0.310	0.304	0.289	0.295	0.307	3.82
53)	o-Dinitrobenzene	0.255	0.254	0.244	0.242	0.234	0.231	0.235	0.242	3.97
54)P	Acenaphthylene	2.095	2.058	1.894	1.811	1.749	1.693	1.650	1.850	9.41
55)P	3-Nitroaniline	0.414	0.395	0.381	0.361	0.341	0.329	0.322	0.363	9.64
56)P	Acenaphthene	1.296	1.283	1.222	1.135	1.085	1.037	0.988	1.149	10.51
57)P	2,4-Dinitrophenol	0.167	0.187	0.211	0.227	0.219	0.219	0.226	0.208	10.87
58)P	4-Nitrophenol	0.191	0.191	0.175	0.174	0.166	0.160	0.158	0.173	7.85
59)P	Dibenzofuran	1.815	1.782	1.689	1.624	1.583	1.527	1.458	1.640	7.97
60)P	2,4-Dinitrotoluen	0.412	0.418	0.399	0.389	0.370	0.363	0.364	0.388	5.82
61)P	2,3,5,6-Tetrachlo	0.324	0.337	0.329	0.327	0.311	0.305	0.304	0.320	4.01
62)P	2,3,4,6-Tetrachlo	0.333	0.330	0.327	0.320	0.306	0.296	0.296	0.316	5.03
63)P	Diethylphthalate	1.418	1.383	1.288	1.237	1.191	1.165	1.149	1.262	8.40
64)P	Fluorene	1.429	1.412	1.332	1.287	1.234	1.199	1.160	1.293	7.99
65)P	4-Chlorophenyl-ph	0.644	0.654	0.613	0.586	0.564	0.546	0.536	0.592	7.86
66)P	4-Nitroaniline	0.379	0.370	0.346	0.347	0.330	0.325	0.335	0.347	5.80
67) I	Phenanthrene-d10	----------ISTD----------								
68)P	4,6-Dinitro-2-met	0.137	0.154	0.161	0.165	0.163	0.159	0.153	0.156	6.14
69)P	n-Nitrosodiphenyl	0.631	0.629	0.605	0.571	0.559	0.526	0.485	0.572	9.45
70)	1,2-Diphenylhydra	0.960	0.971	0.941	0.901	0.881	0.867	0.800	0.903	6.65
71)S	2,4,6-Tribromophe	0.108	0.110	0.108	0.108	0.105	0.102	0.101	0.106	3.23
72)P	4-Bromophenyl-phe	0.210	0.212	0.207	0.201	0.200	0.193	0.189	0.202	4.31
73)P	Hexachlorobenzene	0.225	0.230	0.219	0.218	0.215	0.209	0.204	0.217	4.16
74)	Simazine	0.125	0.124	0.116	0.114	0.111	0.106	0.106	0.115	6.81
75)P	Atrazine	0.217	0.210	0.226	0.217	0.206	0.193	0.195	0.209	5.78
76)P	Pentachlorophenol	0.130	0.144	0.149	0.151	0.150	0.145	0.145	0.145	4.94
77)P	Phenanthrene	1.182	1.172	1.100	1.075	1.036	1.008	0.977	1.079	7.29
78)P	Anthracene	1.185	1.191	1.145	1.115	1.067	1.039	1.013	1.108	6.37
79)P	Carbazole	1.148	1.152	1.061	1.041	1.001	0.981	0.968	1.050	7.19
80)P	Di-n-butylphthala	1.287	1.289	1.236	1.212	1.169	1.137	1.119	1.207	5.68
81)P	Fluoranthene	1.096	1.109	1.024	1.018	0.967	0.941	0.952	1.015	6.66
82) I	Chrysene-d12	----------ISTD----------								
83)	Benzidine	0.751	0.795	0.885	0.728	0.677	0.620	0.611	0.724	13.54
84)P	Pyrene	1.527	1.472	1.536	1.497	1.476	1.449	1.391	1.479	3.34
85)S	Terphenyl-d14	0.922	0.910	0.940	0.916	0.914	0.895	0.864	0.909	2.62
86)P	Butylbenzylphthal	0.650	0.643	0.655	0.643	0.628	0.619	0.605	0.635	2.85
87)P	3,3'-Dichlorobenz	0.445	0.453	0.442	0.414	0.392	0.380	0.373	0.414	8.05
88)P	Benzo[a]anthracen	1.141	1.137	1.114	1.109	1.089	1.079	1.089	1.108	2.19
89)P	Chrysene	1.092	1.107	1.080	1.054	1.025	1.019	0.996	1.053	3.96
90)P	bis(2-Ethylhexyl)	0.845	0.851	0.878	0.855	0.829	0.825	0.796	0.840	3.13
91) I	Perylene-d12	----------ISTD----------								
92)P	Di-n-octylphthala	1.550	1.558	1.688	1.614	1.582	1.571	1.479	1.578	4.05
93)P	Benzo[b]fluoranth	1.137	1.162	1.190	1.142	1.199	1.170	1.303	1.186	4.75
94)P	Benzo[k]fluoranth	1.160	1.138	1.138	1.073	1.057	1.070	0.786	1.060	12.02
95)P	Benzo[a]pyrene	1.086	1.079	1.100	1.096	1.063	1.072	1.065	1.080	1.35
96)P	Indeno[1,2,3-cd]p	0.838	0.862	0.841	0.845	0.848	0.844	0.871	0.850	1.41
97)P	Dibenz[a,h]anthra	0.832	0.847	0.840	0.845	0.834	0.840	0.889	0.847	2.31
98)P	Benzo[g,h,i]peryl	0.967	0.971	0.936	0.947	0.924	0.934	0.945	0.946	1.81

Initial Calibration Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: SX1244-ICC1244
Lab FileID: X025741.D

(#) = Out of Range

8270d.m Tue Oct 02 09:09:50 2012

Initial Calibration Verification

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: SX1244-ICV1244
Lab FileID: X025743.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\100112\X025743.D Vial: 10
Acq On : 1 Oct 2012 3:01 pm Operator: fouads
Sample : icv1244-50 Inst : MSBNA05
Misc : op43151,sx1244,30.2,,,1,1,soil Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\8270d.m (RTE Integrator)
Title : SW846 8270D OR EPA 625
Last Update : Mon Oct 01 15:48:17 2012
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	98	0.00	3.75
2		1,4-Dioxane	50.000	50.350	-0.7	98	0.05	1.20
3		N-nitrosodimethylamine	50.000	49.458	1.1	99	0.05	1.45
4		Pyridine		----------NA----------				
5	S	2-Fluorophenol		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
6	P	Benzaldehyde		---------NA----------				
		----------	Amount	Calc.	%Drift	----------		
7		Aniline		----------NA----------				
8	P	bis(2-Chloroethyl)ether	50.000	51.671	-3.3	103	0.00	3.61
9	S	Phenol-d5		----------NA----------				
10	P	Phenol	50.000	52.589	-5.2	104	-0.01	3.61
11	P	2-Chlorophenol	50.000	53.744	-7.5	103	0.00	3.63
12		1,3-Dichlorobenzene	50.000	50.330	-0.7	98	0.00	3.71
13		1,4-Dichlorobenzene	50.000	50.652	-1.3	99	0.00	3.76
14		1,2-Dichlorobenzene	50.000	51.382	-2.8	102	0.00	3.89
15		Benzyl alcohol		----------NA----------				
16	P	2-Methylphenol	50.000	49.887	0.2	97	0.00	4.03
17	P	bis(2-chloroisopropyl)eth	50.000	49.334	1.3	98	0.00	4.01
18	P	Acetophenone	50.000	52.701	-5.4	104	-0.01	4.08
19	P	N-Nitroso-di-n-propylamin	50.000	51.533	-3.1	99	-0.01	4.12
20	P	3&4-Methylphenol	100.000	100.052	-0.1	101	0.00	4.15
21	P	Hexachloroethane	50.000	50.716	-1.4	99	0.00	4.11
22	I	Naphthalene-d8	40.000	40.000	0.0	99	0.00	4.68
23	S	Nitrobenzene-d5		----------NA----------				
24	P	Nitrobenzene	50.000	51.984	-4.0	101	0.00	4.19
25	P	Isophorone	50.000	43.606	12.8	85	0.00	4.38
26	P	2-Nitrophenol	50.000	51.654	-3.3	100	0.00	4.42
27	P	2,4-Dimethylphenol	50.000	45.974	8.1	90	0.00	4.50
28	P	bis(2-Chloroethoxy)methan	50.000	52.156	-4.3	102	0.00	4.56
29		Benzoic Acid	100.000	104.831	-4.8	93	0.00	4.72
30	P	2,4-Dichlorophenol	50.000	51.622	-3.2	102	0.00	4.61
31		1,2,4-Trichlorobenzene	50.000	51.039	-2.1	101	0.00	4.65
32	P	Naphthalene	50.000	49.917	0.2	99	0.00	4.69
33	P	4-Chloroaniline		----------NA----------				
34		2,6-Dichlorophenol	50.000	53.657	-7.3	107	0.00	4.78
35	P	Hexachlorobutadiene	50.000	50.475	-1.0	99	0.00	4.85
36	P	Caprolactam	50.000	54.743	-9.5	113	-0.03	5.10
37	P	4-Chloro-3-methylphenol	50.000	51.575	-3.2	102	-0.01	5.24
38	P	2-Methylnaphthalene		----------NA----------				

Initial Calibration Verification

Job Number: F97802 **Sample:** SX1244-ICV1244
Account: URSNCM URS Corporation **Lab FileID:** X025743.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

39		1-Methylnaphthalene	50.000	51.610	-3.2	102	0.00	5.37
40	P	1,2,4,5-Tetrachlorobenzen	50.000	50.280	-0.6	99	0.00	5.48
41	I	Acenaphthene-d10	40.000	40.000	0.0	102	0.00	6.44
42	P	Hexachlorocyclopentadiene	50.000	52.639	-5.3	102	0.00	5.50
43	P	2,4,6-Trichlorophenol	50.000	50.176	-0.4	102	0.00	5.61
44	P	2,4,5-Trichlorophenol	50.000	52.451	-4.9	106	-0.01	5.66
45	S	2-Fluorobiphenyl		----------NA----------				
46	P	1,1'-Biphenyl	50.000	48.639	2.7	99	0.00	5.77
47	P	2-Chloronaphthalene	50.000	49.393	1.2	102	0.00	5.76
48	P	2-Nitroaniline		----------NA----------				
49		p-Dinitrobenzene		----------NA----------				
50	P	Dimethylphthalate	50.000	49.419	1.2	102	-0.02	6.25
51		m-Dinitrobenzene		----------NA----------				
52	P	2,6-Dinitrotoluene	50.000	51.629	-3.3	104	-0.02	6.31
53		o-Dinitrobenzene		----------NA----------				
54	P	Acenaphthylene	50.000	49.659	0.7	103	-0.01	6.24
55	P	3-Nitroaniline		----------NA----------				
56	P	Acenaphthene	50.000	53.222	-6.4	109	-0.01	6.48
57	P	2,4-Dinitrophenol	100.000	110.372	-10.4	94	-0.02	6.61
58	P	4-Nitrophenol	100.000	103.093	-3.1	105	0.00	6.85
59	P	Dibenzofuran		----------NA----------				
60	P	2,4-Dinitrotoluene	50.000	50.758	-1.5	103	-0.02	6.83
61	P	2,3,5,6-Tetrachlorophenol	50.000	49.674	0.7	99	0.06	6.98
62	P	2,3,4,6-Tetrachlorophenol	50.000	50.298	-0.6	101	0.00	6.98
63	P	Diethylphthalate	50.000	51.021	-2.0	106	0.00	7.26
64	P	Fluorene	50.000	50.898	-1.8	104	0.00	7.18
65	P	4-Chlorophenyl-phenylethe	50.000	50.230	-0.5	103	0.00	7.24
66	P	4-Nitroaniline		----------NA----------				
67	I	Phenanthrene-d10	40.000	40.000	0.0	104	0.00	8.62
68	P	4,6-Dinitro-2-methylpheno	100.000	114.714	-14.7	111	-0.02	7.42
69	P	n-Nitrosodiphenylamine	50.000	49.331	1.3	85	-0.02	7.46
70		1,2-Diphenylhydrazine	50.000	49.095	1.8	102	0.00	7.48
71	S	2,4,6-Tribromophenol		----------NA----------				
72	P	4-Bromophenyl-phenylether	50.000	50.404	-0.8	105	0.00	7.98
73	P	Hexachlorobenzene	50.000	49.907	0.2	103	0.00	8.15
74		Simazine		----------NA----------				
75	P	Atrazine	50.000	57.240	-14.5	114	-0.02	8.48
76	P	Pentachlorophenol	100.000	105.479	-5.5	99	0.00	8.50
77	P	Phenanthrene	50.000	52.123	-4.2	109	0.00	8.66
78	P	Anthracene	50.000	51.636	-3.3	106	0.00	8.74
79	P	Carbazole		----------NA----------				
80	P	Di-n-butylphthalate	50.000	49.704	0.6	103	0.00	10.01
81	P	Fluoranthene	50.000	50.317	-0.6	104	0.00	10.71
82	I	Chrysene-d12	40.000	40.000	0.0	104	0.00	13.36
83		Benzidine		----------NA----------				
84	P	Pyrene	50.000	53.579	-7.2	110	0.00	11.08
85	S	Terphenyl-d14		----------NA----------				
86	P	Butylbenzylphthalate	50.000	51.532	-3.1	106	0.00	12.71
87	P	3,3'-Dichlorobenzidine		----------NA----------				
88	P	Benzo[a]anthracene	50.000	53.049	-6.1	110	-0.01	13.32
89	P	Chrysene	50.000	52.529	-5.1	109	0.00	13.40
90	P	bis(2-Ethylhexyl)phthalat	50.000	51.911	-3.8	106	0.00	13.96
91	I	Perylene-d12	40.000	40.000	0.0	106	0.00	15.79
92	P	Di-n-octylphthalate	50.000	52.600	-5.2	109	0.00	15.07
93	P	Benzo[b]fluoranthene	50.000	53.930	-7.9	119	-0.01	15.21
94	P	Benzo[k]fluoranthene	50.000	54.852	-9.7	115	-0.02	15.26

Initial Calibration Verification

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: SX1244-ICV1244
Lab FileID: X025743.D

95	P	Benzo[a]pyrene	50.000	50.638	-1.3	106	-0.02	15.69
96	P	Indeno[1,2,3-cd]pyrene	50.000	52.350	-4.7	112	-0.01	17.35
97	P	Dibenz[a,h]anthracene	50.000	52.716	-5.4	112	-0.02	17.42
98	P	Benzo[g,h,i]perylene	50.000	50.943	-1.9	108	-0.02	17.68

(#) = Out of Range SPCC's out = 0 CCC's out = 0
X025739.D 8270d.m Tue Oct 02 08:58:20 2012

Initial Calibration Verification

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: SX1244-ICV1244
Lab FileID: X025744.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\100112\X025744.D Vial: 11
Acq On : 1 Oct 2012 3:29 pm Operator: fouads
Sample : icv1244-50 Inst : MSBNA05
Misc : op43151,sx1244,30.2,,,1,1,soil Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\8270d.m (RTE Integrator)
Title : SW846 8270D OR EPA 625
Last Update : Mon Oct 01 15:48:17 2012
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	83	0.00	3.74
2		1,4-Dioxane		----------NA----------				
3		N-nitrosodimethylamine		----------NA----------				
4		Pyridine	50.000	52.147	-4.3	87	0.00	1.37
5	S	2-Fluorophenol		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
6	P	Benzaldehyde	25.000	36.388	-45.6#	97	0.00	3.41
		----------	Amount	Calc.	%Drift	----------		
7		Aniline	50.000	47.265	5.5	78	0.00	3.54
8	P	bis(2-Chloroethyl)ether		----------NA----------				
9	S	Phenol-d5		----------NA----------				
10	P	Phenol		----------NA----------				
11	P	2-Chlorophenol		----------NA----------				
12		1,3-Dichlorobenzene		----------NA----------				
13		1,4-Dichlorobenzene		----------NA----------				
14		1,2-Dichlorobenzene		----------NA----------				
15		Benzyl alcohol	50.000	51.968	-3.9	86	-0.01	3.90
16	P	2-Methylphenol		----------NA----------				
17	P	bis(2-chloroisopropyl)eth		----------NA----------				
18	P	Acetophenone		----------NA----------				
19	P	N-Nitroso-di-n-propylamin		----------NA----------				
20	P	3&4-Methylphenol		----------NA----------				
21	P	Hexachloroethane		----------NA----------				
22	I	Naphthalene-d8	40.000	40.000	0.0	83	-0.01	4.67
23	S	Nitrobenzene-d5		----------NA----------				
24	P	Nitrobenzene		----------NA----------				
25	P	Isophorone	50.000	48.976	2.0	81	-0.02	4.36
26	P	2-Nitrophenol		----------NA----------				
27	P	2,4-Dimethylphenol		----------NA----------				
28	P	bis(2-Chloroethoxy)methan		----------NA----------				
29		Benzoic Acid		----------NA----------				
30	P	2,4-Dichlorophenol		----------NA----------				
31		1,2,4-Trichlorobenzene		----------NA----------				
32	P	Naphthalene		----------NA----------				
33	P	4-Chloroaniline	50.000	51.183	-2.4	86	-0.01	4.77
34		2,6-Dichlorophenol		----------NA----------				
35	P	Hexachlorobutadiene		----------NA----------				
36	P	Caprolactam		----------NA----------				
37	P	4-Chloro-3-methylphenol		----------NA----------				
38	P	2-Methylnaphthalene	50.000	48.658	2.7	85	-0.01	5.27

Initial Calibration Verification

Job Number: F97802 **Sample:** SX1244-ICV1244
Account: URSNCM URS Corporation **Lab FileID:** X025744.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

39		1-Methylnaphthalene		----------NA----------				
40	P	1,2,4,5-Tetrachlorobenzen		----------NA----------				
41	I	Acenaphthene-d10	40.000	40.000	0.0	82	-0.01	6.44
42	P	Hexachlorocyclopentadiene		----------NA----------				
43	P	2,4,6-Trichlorophenol		----------NA----------				
44	P	2,4,5-Trichlorophenol		----------NA----------				
45	S	2-Fluorobiphenyl		----------NA----------				
46	P	1,1'-Biphenyl		----------NA----------				
47	P	2-Chloronaphthalene		----------NA----------				
48	P	2-Nitroaniline	50.000	53.343	-6.7	87	-0.01	5.95
49		p-Dinitrobenzene		----------NA----------				
50	P	Dimethylphthalate		----------NA----------				
51		m-Dinitrobenzene		----------NA----------				
52	P	2,6-Dinitrotoluene		----------NA----------				
53		o-Dinitrobenzene		----------NA----------				
54	P	Acenaphthylene		----------NA----------				
55	P	3-Nitroaniline	50.000	49.209	1.6	81	-0.03	6.47
56	P	Acenaphthene		----------NA----------				
57	P	2,4-Dinitrophenol		----------NA----------				
58	P	4-Nitrophenol		----------NA----------				
59	P	Dibenzofuran	50.000	53.510	-7.0	88	-0.01	6.70
60	P	2,4-Dinitrotoluene		----------NA----------				
61	P	2,3,5,6-Tetrachlorophenol		----------NA----------				
62	P	2,3,4,6-Tetrachlorophenol		----------NA----------				
63	P	Diethylphthalate		----------NA----------				
64	P	Fluorene		----------NA----------				
65	P	4-Chlorophenyl-phenylethe		----------NA----------				
66	P	4-Nitroaniline	50.000	50.521	-1.0	82	-0.06	7.34
67	I	Phenanthrene-d10	40.000	40.000	0.0	79	-0.02	8.61
68	P	4,6-Dinitro-2-methylpheno		----------NA----------				
69	P	n-Nitrosodiphenylamine		----------NA----------				
70		1,2-Diphenylhydrazine		----------NA----------				
71	S	2,4,6-Tribromophenol		----------NA----------				
72	P	4-Bromophenyl-phenylether		----------NA----------				
73	P	Hexachlorobenzene		----------NA----------				
74		Simazine	50.000	31.000	38.0#	49	-0.07	8.37
75	P	Atrazine		----------NA----------				
76	P	Pentachlorophenol		----------NA----------				
77	P	Phenanthrene		----------NA----------				
78	P	Anthracene		----------NA----------				
79	P	Carbazole	50.000	52.253	-4.5	83	-0.01	9.09
80	P	Di-n-butylphthalate		----------NA----------				
81	P	Fluoranthene		----------NA----------				
82	I	Chrysene-d12	40.000	40.000	0.0	74	-0.03	13.34
83		Benzidine	50.000	122.463	-144.9#	181	0.00	11.13
84	P	Pyrene		----------NA----------				
85	S	Terphenyl-d14		----------NA----------				
86	P	Butylbenzylphthalate		----------NA----------				
87	P	3,3'-Dichlorobenzidine	50.000	88.760	-77.5#	132	-0.01	13.46
88	P	Benzo[a]anthracene		----------NA----------				
89	P	Chrysene		----------NA----------				
90	P	bis(2-Ethylhexyl)phthalat		----------NA----------				
91	I	Perylene-d12	40.000	40.000	0.0	74	-0.03	15.77
92	P	Di-n-octylphthalate		----------NA----------				
93	P	Benzo[b]fluoranthene		----------NA----------				
94	P	Benzo[k]fluoranthene		----------NA----------				

Initial Calibration Verification

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: SX1244-ICV1244
Lab FileID: X025744.D

```
95 P   Benzo[a]pyrene                      ----------NA----------
96 P   Indeno[1,2,3-cd]pyrene              ----------NA----------
97 P   Dibenz[a,h]anthracene               ----------NA----------
98 P   Benzo[g,h,i]perylene                ----------NA----------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------

   (#) = Out of Range                 SPCC's out = 0  CCC's out = 0
    X025739.D  8270d.m            Tue Oct 02 09:05:43 2012
```

Continuing Calibration Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: SX1253-CC1244
Lab FileID: X025960.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\101212\X025960.D Vial: 2
Acq On : 12 Oct 2012 2:32 pm Operator: fouads
Sample : cc1244-50 Inst : MSBNA05
Misc : op43151,sx1253,30.2,,,1,1,soil Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\8270d.m (RTE Integrator)
Title : SW846 8270D OR EPA 625
Last Update : Mon Oct 15 15:08:51 2012
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	0.00	3.46
2		1,4-Dioxane	0.524	0.622	-18.7	129	0.00	0.91
3		N-nitrosodimethylamine	0.854	0.999	-17.0	130	0.00	1.11
4		Pyridine	1.434	1.751	-22.1#	134	0.00	1.09
5	S	2-Fluorophenol	1.238	1.346	-8.7	120	-0.34	2.48
6	P	Benzaldehyde	0.735	0.817	-11.2	150	-0.11	3.13
7		Aniline	2.033	2.172	-6.8	117	-0.04	3.26
8	P	bis(2-Chloroethyl)ether	1.174	1.169	0.4	111	0.00	3.33
9	S	Phenol-d5	1.518	1.567	-3.2	116	0.06	3.35
10	P	Phenol	1.583	1.675	-5.8	116	0.06	3.36
11	P	2-Chlorophenol	1.349	1.240	8.1	98	-0.02	3.35
12		1,3-Dichlorobenzene	1.513	1.583	-4.6	114	-0.02	3.43
13		1,4-Dichlorobenzene	1.517	1.560	-2.8	112	0.00	3.47
14		1,2-Dichlorobenzene	1.434	1.520	-6.0	118	0.03	3.61
15		Benzyl alcohol	0.917	0.991	-8.1	118	0.09	3.64
16	P	2-Methylphenol	1.276	1.367	-7.1	116	0.16	3.78
17	P	bis(2-chloroisopropyl)eth	2.425	2.643	-9.0	121	0.11	3.75
18	P	Acetophenone	1.850	1.925	-4.1	115	0.11	3.82
19	P	N-Nitroso-di-n-propylamin	0.943	1.036	-9.9	118	0.15	3.86
20	P	3&4-Methylphenol	1.344	1.454	-8.2	118	0.20	3.89
21	P	Hexachloroethane	0.621	0.658	-6.0	115	0.07	3.83
22	I	Naphthalene-d8	1.000	1.000	0.0	111	0.00	4.40
23	S	Nitrobenzene-d5	0.374	0.399	-6.7	118	-0.01	3.91
24	P	Nitrobenzene	0.367	0.377	-2.7	113	0.00	3.93
25	P	Isophorone	0.653	0.709	-8.6	119	0.03	4.12
26	P	2-Nitrophenol	0.209	0.225	-7.7	117	0.02	4.16
27	P	2,4-Dimethylphenol	0.350	0.361	-3.1	113	0.10	4.25
28	P	bis(2-Chloroethoxy)methan	0.394	0.431	-9.4	120	0.08	4.30
29		Benzoic Acid	0.328	0.332	-1.2	109	0.21	4.46
30	P	2,4-Dichlorophenol	0.300	0.307	-2.3	113	0.05	4.35
31		1,2,4-Trichlorobenzene	0.325	0.345	-6.2	117	0.01	4.38
32	P	Naphthalene	1.012	1.038	-2.6	114	0.00	4.42
33	P	4-Chloroaniline	0.424	0.422	0.5	112	0.04	4.51
34		2,6-Dichlorophenol	0.292	0.300	-2.7	115	0.03	4.51
35	P	Hexachlorobutadiene	0.176	0.180	-2.3	113	0.01	4.56
36	P	Caprolactam	0.115	0.122	-6.1	123	0.10	4.83
37	P	4-Chloro-3-methylphenol	0.300	0.306	-2.0	113	0.08	4.93
38	P	2-Methylnaphthalene	0.708	0.910	-28.5#	150	-0.04	4.94
39		1-Methylnaphthalene	0.622	0.665	-6.9	119	-0.04	5.03
40	P	1,2,4,5-Tetrachlorobenzen	0.313	0.340	-8.6	120	-0.04	5.13

Continuing Calibration Summary

Job Number: F97802 **Sample:** SX1253-CC1244
Account: URSNCM URS Corporation **Lab FileID:** X025960.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

41	I	Acenaphthene-d10	1.000	1.000	0.0	115	0.00	6.01
42	P	Hexachlorocyclopentadiene	0.367	0.384	-4.6	115	-0.02	5.15
43	P	2,4,6-Trichlorophenol	0.414	0.431	-4.1	120	0.01	5.25
44	P	2,4,5-Trichlorophenol	0.429	0.448	-4.4	119	0.02	5.30
45	S	2-Fluorobiphenyl	1.361	1.391	-2.2	118	0.00	5.32
46	P	1,1'-Biphenyl	1.476	1.495	-1.3	116	0.00	5.40
47	P	2-Chloronaphthalene	1.157	1.214	-4.9	122	-0.03	5.38
48	P	2-Nitroaniline	0.402	0.446	-10.9	127	0.02	5.56
49		p-Dinitrobenzene	0.248	0.279	-12.5	127	0.04	5.70
50	P	Dimethylphthalate	1.242	1.339	-7.8	126	0.08	5.86
51		m-Dinitrobenzene	0.217	0.239	-10.1	128	0.05	5.83
52	P	2,6-Dinitrotoluene	0.307	0.328	-6.8	122	-0.35	5.91
53		o-Dinitrobenzene	0.242	0.278	-14.9	132	0.06	5.98
54	P	Acenaphthylene	1.850	1.971	-6.5	125	-0.02	5.82
55	P	3-Nitroaniline	0.363	0.386	-6.3	123	0.08	6.06
56	P	Acenaphthene	1.149	1.173	-2.1	119	0.00	6.05
57	P	2,4-Dinitrophenol	0.208	0.245	-17.8	124	0.09	6.19
58	P	4-Nitrophenol	0.173	0.183	-5.8	121	0.23	6.40
59	P	Dibenzofuran	1.640	1.710	-4.3	121	0.04	6.25
60	P	2,4-Dinitrotoluene	0.388	0.420	-8.2	124	0.12	6.39
61	P	2,3,5,6-Tetrachlorophenol	0.320	0.352	-10.0	124	0.10	6.46
62	P	2,3,4,6-Tetrachlorophenol	0.316	0.341	-7.9	123	0.11	6.52
63	P	Diethylphthalate	1.262	1.341	-6.3	125	0.23	6.80
64	P	Fluorene	1.293	1.343	-3.9	120	0.10	6.70
65	P	4-Chlorophenyl-phenylethe	0.592	0.623	-5.2	122	0.15	6.77
66	P	4-Nitroaniline	0.347	0.379	-9.2	125	0.23	6.91
67	I	Phenanthrene-d10	1.000	1.000	0.0	115	0.00	8.07
68	P	4,6-Dinitro-2-methylpheno	0.156	0.176	-12.8	122	-0.10	6.96
69	P	n-Nitrosodiphenylamine	0.572	0.576	-0.7	116	-0.10	6.99
70		1,2-Diphenylhydrazine	0.903	0.955	-5.8	122	-0.13	6.99
71	S	2,4,6-Tribromophenol	0.106	0.116	-9.4	124	-0.14	7.09
72	P	4-Bromophenyl-phenylether	0.202	0.212	-5.0	121	-0.06	7.47
73	P	Hexachlorobenzene	0.217	0.235	-8.3	124	-0.07	7.62
74		Simazine	0.115	0.084	27.0#	85	0.15	7.92
75	P	Atrazine	0.209	0.214	-2.4	114	0.16	7.99
76	P	Pentachlorophenol	0.145	0.168	-15.9	127	0.04	7.97
77	P	Phenanthrene	1.079	1.117	-3.5	120	0.01	8.12
78	P	Anthracene	1.108	1.135	-2.4	117	0.02	8.19
79	P	Carbazole	1.050	1.099	-4.7	122	0.16	8.55
80	P	Di-n-butylphthalate	1.207	1.240	-2.7	118	0.49	9.49
81	P	Fluoranthene	1.015	1.060	-4.4	120	0.46	10.12
82	I	Chrysene-d12	1.000	1.000	0.0	113	0.00	12.73
83		Benzidine	0.724	0.833	-15.1	130	-0.30	10.54
84	P	Pyrene	1.479	1.562	-5.6	118	-0.45	10.47
85	S	Terphenyl-d14	0.909	0.964	-6.1	119	-0.23	11.00
86	P	Butylbenzylphthalate	0.635	0.664	-4.6	117	0.08	12.14
87	P	3,3'-Dichlorobenzidine	0.414	0.460	-11.1	126	0.12	12.87
88	P	Benzo[a]anthracene	1.108	1.160	-4.7	119	-0.01	12.69
89	P	Chrysene	1.053	1.090	-3.5	117	0.00	12.77
90	P	bis(2-Ethylhexyl)phthalat	0.840	0.870	-3.6	115	0.40	13.40
91	I	Perylene-d12	1.000	1.000	0.0	115	0.00	15.14
92	P	Di-n-octylphthalate	1.578	1.627	-3.1	116	0.21	14.50
93	P	Benzo[b]fluoranthene	1.186	1.244	-4.9	125	-0.08	14.56
94	P	Benzo[k]fluoranthene	1.060	1.023	3.5	110	-0.06	14.61
95	P	Benzo[a]pyrene	1.080	1.118	-3.5	117	-0.02	15.04
96	P	Indeno[1,2,3-cd]pyrene	0.850	0.869	-2.2	118	0.26	16.68
97	P	Dibenz[a,h]anthracene	0.847	0.868	-2.5	118	0.31	16.76

Continuing Calibration Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: SX1253-CC1244
Lab FileID: X025960.D

98	P	Benzo[g,h,i]perylene	0.946	0.968	-2.3	118	0.30	17.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0
X025739.D 8270d.m Mon Oct 15 15:09:06 2012

7.7.12

7

Initial Calibration Summary

Job Number: F97802 **Sample:** SX1255-ICC1255
Account: URSNCM URS Corporation **Lab FileID:** X025994.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Response Factor Report MSBNA05

Method : C:\msdchem\1\METHODS\8270d.m (RTE Integrator)
Title : SW846 8270D OR EPA 625
Last Update : Wed Oct 17 08:37:50 2012
Response via : Initial Calibration

Calibration Files
5 =X025989.D 10 =X025990.D 25 =X025991.D 50 =X025992.D
60 =X025993.D 75 =X025994.D 100 =X025995.D

Compound	5	10	25	50	60	75	100	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	----------ISTD----------								
2) 1,4-Dioxane	0.514	0.471	0.464	0.433	0.445	0.447	0.463	0.462	5.66
3) N-nitrosodimethyl	0.855	0.828	0.836	0.804	0.828	0.812	0.825	0.827	1.98
4) Pyridine	1.250	1.280	1.260	1.231	1.247	1.219	1.248	1.248	1.56
5)S 2-Fluorophenol	1.454	1.433	1.398	1.296	1.285	1.277	1.220	1.338	6.73
6)P Benzaldehyde	1.074	1.019	0.950	0.658	0.691	0.649	0.555	0.800	26.04
7) Aniline	2.158	2.055	2.066	1.952	1.962	1.965	1.935	2.013	4.07
8)P bis(2-Chloroethyl	1.383	1.314	1.310	1.276	1.265	1.273	1.264	1.298	3.30
9)S Phenol-d5	1.729	1.642	1.603	1.479	1.466	1.452	1.405	1.539	7.74
10)P Phenol	1.822	1.749	1.700	1.667	1.678	1.644	1.565	1.689	4.81
11)P 2-Chlorophenol	1.601	1.572	1.581	1.497	1.529	1.507	1.524	1.544	2.59
12) 1,3-Dichlorobenze	1.694	1.702	1.651	1.597	1.620	1.599	1.591	1.636	2.85
13) 1,4-Dichlorobenze	1.753	1.686	1.672	1.576	1.608	1.598	1.562	1.637	4.23
14) 1,2-Dichlorobenze	1.654	1.585	1.583	1.525	1.534	1.527	1.495	1.558	3.44
15) Benzyl alcohol	0.992	0.977	0.973	0.906	0.919	0.917	0.921	0.944	3.76
16)P 2-Methylphenol	1.326	1.300	1.271	1.216	1.240	1.237	1.237	1.261	3.14
17)P bis(2-chloroisopr	3.094	3.005	2.952	2.787	2.807	2.794	2.741	2.883	4.64
18)P Acetophenone	1.809	1.735	1.756	1.630	1.640	1.643	1.593	1.687	4.73
19)P N-Nitroso-di-n-pr	0.739	0.723	0.720	0.680	0.697	0.693	0.686	0.706	3.13
20)P 3&4-Methylphenol	1.395	1.369	1.345	1.263	1.283	1.270	1.240	1.309	4.56
21)P Hexachloroethane	0.598	0.572	0.549	0.544	0.548	0.547	0.548	0.558	3.61
22) I Naphthalene-d8	----------ISTD----------								
23)S Nitrobenzene-d5	0.306	0.309	0.304	0.296	0.294	0.290	0.293	0.299	2.50
24)P Nitrobenzene	0.298	0.287	0.275	0.272	0.268	0.266	0.262	0.275	4.71
25)P Isophorone	0.570	0.574	0.554	0.528	0.535	0.528	0.536	0.546	3.56
26)P 2-Nitrophenol	0.210	0.219	0.214	0.213	0.214	0.212	0.215	0.214	1.21
27)P 2,4-Dimethylpheno	0.329	0.315	0.313	0.306	0.305	0.306	0.302	0.311	2.95
28)P bis(2-Chloroethox	0.404	0.391	0.376	0.356	0.356	0.350	0.351	0.369	5.83
29) Benzoic Acid	0.232	0.264	0.305	0.277	0.292	0.301	0.322	0.285	10.53
30)P 2,4-Dichloropheno	0.315	0.301	0.294	0.295	0.292	0.290	0.290	0.297	3.02
31) 1,2,4-Trichlorobe	0.335	0.321	0.314	0.302	0.303	0.298	0.295	0.310	4.65
32)P Naphthalene	1.144	1.103	1.051	0.999	0.988	0.966	0.938	1.027	7.32
33)P 4-Chloroaniline	0.489	0.479	0.467	0.444	0.444	0.433	0.414	0.453	5.84
34) 2,6-Dichloropheno	0.315	0.304	0.295	0.286	0.287	0.282	0.274	0.292	4.79
35)P Hexachlorobutadie	0.157	0.157	0.153	0.152	0.153	0.147	0.146	0.152	2.70
36)P Caprolactam	0.114	0.123	0.118	0.119	0.117	0.118	0.119	0.118	2.18
37)P 4-Chloro-3-methyl	0.262	0.268	0.269	0.257	0.262	0.257	0.261	0.262	1.83
38)P 2-Methylnaphthale	0.755	0.750	0.724	0.686	0.678	0.669	0.653	0.702	5.77
39) 1-Methylnaphthale	0.697	0.672	0.659	0.626	0.623	0.615	0.603	0.642	5.32
40)P 1,2,4,5-Tetrachlo	0.290	0.273	0.267	0.261	0.259	0.253	0.252	0.265	5.09
41) I Acenaphthene-d10	----------ISTD----------								
42)P Hexachlorocyclope	0.320	0.333	0.332	0.346	0.343	0.345	0.343	0.337	2.84
43)P 2,4,6-Trichloroph	0.420	0.413	0.401	0.397	0.387	0.396	0.391	0.401	2.96
44)P 2,4,5-Trichloroph	0.419	0.436	0.410	0.407	0.412	0.404	0.405	0.413	2.67

Initial Calibration Summary

Job Number: F97802 **Sample:** SX1255-ICC1255
Account: URSNCM URS Corporation **Lab FileID:** X025994.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

45)S 2-Fluorobiphenyl	1.429	1.439	1.360	1.304	1.285	1.290	1.249	1.336	5.56
46)P 1,1'-Biphenyl	1.704	1.687	1.607	1.474	1.445	1.469	1.371	1.537	8.39
47)P 2-Chloronaphthale	1.326	1.263	1.222	1.164	1.129	1.122	1.077	1.186	7.44
48)P 2-Nitroaniline	0.328	0.346	0.328	0.323	0.328	0.328	0.327	0.330	2.32
49) p-Dinitrobenzene	0.165	0.177	0.180	0.184	0.181	0.186	0.189	0.180	4.30
50)P Dimethylphthalate	1.406	1.340	1.312	1.265	1.239	1.253	1.203	1.288	5.37
51) m-Dinitrobenzene	0.237	0.241	0.245	0.238	0.241	0.239	0.238	0.240	1.19
52)P 2,6-Dinitrotoluen	0.324	0.317	0.321	0.297	0.294	0.294	0.281	0.304	5.46
53) o-Dinitrobenzene	0.250	0.243	0.248	0.241	0.238	0.249	0.248	0.245	1.85
54)P Acenaphthylene	2.162	2.141	2.039	1.933	1.878	1.860	1.796	1.973	7.27
55)P 3-Nitroaniline	0.413	0.434	0.439	0.427	0.429	0.437	0.428	0.429	1.96
56)P Acenaphthene	1.269	1.282	1.240	1.192	1.179	1.191	1.157	1.216	3.96
57)P 2,4-Dinitrophenol	0.112	0.139	0.176	0.199	0.208	0.211	0.224	0.181	22.95

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994
Response Ratio = 0.00000 + 0.17027 *A + 0.02182 *A^2

58)P 4-Nitrophenol	0.137	0.132	0.130	0.134	0.135	0.138	0.141	0.135	2.75
59)P Dibenzofuran	1.745	1.735	1.673	1.594	1.587	1.598	1.542	1.639	4.81
60)P 2,4-Dinitrotoluen	0.393	0.414	0.402	0.416	0.411	0.420	0.418	0.411	2.41
61)P 2,3,5,6-Tetrachlo	0.326	0.339	0.328	0.325	0.321	0.328	0.324	0.327	1.69
62)P 2,3,4,6-Tetrachlo	0.321	0.331	0.329	0.325	0.318	0.320	0.319	0.323	1.63
63)P Diethylphthalate	1.392	1.379	1.360	1.320	1.309	1.328	1.293	1.340	2.77
64)P Fluorene	1.468	1.443	1.375	1.319	1.302	1.311	1.251	1.353	5.87
65)P 4-Chlorophenyl-ph	0.610	0.604	0.583	0.571	0.555	0.562	0.544	0.575	4.30
66)P 4-Nitroaniline	0.405	0.403	0.407	0.411	0.401	0.422	0.416	0.409	1.80
67) I Phenanthrene-d10	----------ISTD----------								
68)P 4,6-Dinitro-2-met	0.105	0.124	0.136	0.150	0.152	0.155	0.163	0.141	14.56
69)P n-Nitrosodiphenyl	0.629	0.616	0.601	0.579	0.576	0.569	0.573	0.592	3.99
70) 1,2-Diphenylhydra	0.691	0.699	0.671	0.646	0.639	0.633	0.629	0.658	4.33
71)S 2,4,6-Tribromophe	0.114	0.114	0.111	0.110	0.109	0.106	0.105	0.110	3.36
72)P 4-Bromophenyl-phe	0.212	0.207	0.204	0.199	0.200	0.197	0.197	0.202	2.82
73)P Hexachlorobenzene	0.226	0.224	0.216	0.210	0.214	0.210	0.213	0.216	2.99
74) Simazine	0.105	0.103	0.098	0.096	0.092	0.092	0.091	0.097	5.65
75)P Atrazine	0.211	0.214	0.205	0.194	0.189	0.191	0.186	0.199	5.67
76)P Pentachlorophenol	0.165	0.164	0.159	0.163	0.162	0.161	0.164	0.162	1.25
77)P Phenanthrene	1.293	1.262	1.197	1.146	1.150	1.116	1.119	1.183	5.94
78)P Anthracene	1.301	1.276	1.236	1.190	1.175	1.150	1.144	1.210	5.10
79)P Carbazole	1.200	1.176	1.135	1.093	1.093	1.080	1.092	1.124	4.23
80)P Di-n-butylphthala	1.483	1.452	1.421	1.384	1.344	1.336	1.329	1.393	4.37
81)P Fluoranthene	1.194	1.150	1.118	1.083	1.082	1.061	1.076	1.109	4.32
82) I Chrysene-d12	----------ISTD----------								
83) Benzidine	0.893	0.840	0.795	0.685	0.692	0.664	0.620	0.741	13.70
84)P Pyrene	1.478	1.437	1.388	1.395	1.373	1.362	1.341	1.396	3.36
85)S Terphenyl-d14	0.910	0.903	0.881	0.885	0.868	0.871	0.855	0.882	2.20
86)P Butylbenzylphthal	0.703	0.731	0.708	0.719	0.717	0.715	0.705	0.714	1.34
87)P 3,3'-Dichlorobenz	0.414	0.421	0.420	0.409	0.417	0.407	0.403	0.413	1.63
88)P Benzo[a]anthracen	1.234	1.173	1.133	1.165	1.141	1.130	1.132	1.158	3.24
89)P Chrysene	1.119	1.061	1.054	1.051	1.047	1.042	1.031	1.058	2.70
90)P bis(2-Ethylhexyl)	0.978	0.977	0.965	0.968	0.964	0.950	0.935	0.962	1.59
91) I Perylene-d12	----------ISTD----------								
92)P Di-n-octylphthala	1.808	1.841	1.834	1.848	1.809	1.826	1.783	1.821	1.23
93)P Benzo[b]fluoranth	1.107	1.145	1.093	1.108	1.144	1.136	1.161	1.128	2.23
94)P Benzo[k]fluoranth	1.224	1.184	1.210	1.161	1.120	1.149	1.062	1.159	4.78
95)P Benzo[a]pyrene	1.156	1.117	1.096	1.100	1.104	1.114	1.102	1.113	1.86
96)P Indeno[1,2,3-cd]p	0.770	0.753	0.806	0.869	0.891	0.890	0.924	0.843	7.90
97)P Dibenz[a,h]anthra	0.862	0.836	0.910	0.930	0.914	0.940	0.945	0.905	4.55
98)P Benzo[g,h,i]peryl	0.984	1.000	0.974	0.980	0.961	0.982	0.977	0.980	1.20

Initial Calibration Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: SX1255-ICC1255
Lab FileID: X025994.D

(#) = Out of Range

8270d.m Wed Oct 17 13:59:55 2012

Initial Calibration Verification

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: SX1255-ICV1255
Lab FileID: X025996.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\101612\X025996.D Vial: 9
Acq On : 16 Oct 2012 8:12 pm Operator: fouads
Sample : icv1255-50 Inst : MSBNA05
Misc : op43151,sx1255,30.2,,,1,1,soil Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\8270d.m (RTE Integrator)
Title : SW846 8270D OR EPA 625
Last Update : Wed Oct 17 08:37:50 2012
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	107	0.00	5.26
2		1,4-Dioxane	50.000	49.682	0.6	114	0.04	2.88
3		N-nitrosodimethylamine	50.000	50.412	-0.8	111	0.02	3.19
4		Pyridine		----------NA----------				
5	S	2-Fluorophenol		----------NA----------				
6	P	Benzaldehyde	50.000	61.868	-23.7#	161	0.00	4.91
7		Aniline		----------NA----------				
8	P	bis(2-Chloroethyl)ether	50.000	50.219	-0.4	110	0.00	5.06
9	S	Phenol-d5		----------NA----------				
10	P	Phenol	50.000	50.615	-1.2	110	-0.01	4.99
11	P	2-Chlorophenol	50.000	51.130	-2.3	113	0.00	5.11
12		1,3-Dichlorobenzene	50.000	50.613	-1.2	111	0.00	5.23
13		1,4-Dichlorobenzene	50.000	50.635	-1.3	113	0.00	5.27
14		1,2-Dichlorobenzene	50.000	50.268	-0.5	110	0.00	5.43
15		Benzyl alcohol		----------NA----------				
16	P	2-Methylphenol	50.000	48.902	2.2	109	0.00	5.49
17	P	bis(2-chloroisopropyl)eth	50.000	49.289	1.4	110	0.00	5.51
18	P	Acetophenone	50.000	49.469	1.1	110	0.00	5.62
19	P	N-Nitroso-di-n-propylamin	50.000	50.941	-1.9	114	0.00	5.64
20	P	3&4-Methylphenol	100.000	90.802	9.2	113	0.00	5.61
21	P	Hexachloroethane	50.000	50.579	-1.2	112	0.00	5.71
22	I	Naphthalene-d8	40.000	40.000	0.0	108	0.00	6.46
23	S	Nitrobenzene-d5		----------NA----------				
24	P	Nitrobenzene	50.000	50.907	-1.8	111	0.00	5.78
25	P	Isophorone	50.000	42.057	15.9	94	0.00	5.99
26	P	2-Nitrophenol	50.000	48.915	2.2	106	0.00	6.08
27	P	2,4-Dimethylphenol	50.000	43.935	12.1	96	0.00	6.11
28	P	bis(2-Chloroethoxy)methan	50.000	49.857	0.3	112	0.00	6.21
29		Benzoic Acid	100.000	99.781	0.2	101	0.02	6.27
30	P	2,4-Dichlorophenol	50.000	50.770	-1.5	110	0.00	6.32
31		1,2,4-Trichlorobenzene	50.000	50.067	-0.1	111	0.00	6.42
32	P	Naphthalene	50.000	49.920	0.2	111	0.00	6.49
33	P	4-Chloroaniline		----------NA----------				
34		2,6-Dichlorophenol	50.000	49.840	0.3	110	0.00	6.57
35	P	Hexachlorobutadiene	50.000	50.991	-2.0	110	0.00	6.68
36	P	Caprolactam	50.000	48.510	3.0	104	-0.02	6.95
37	P	4-Chloro-3-methylphenol	50.000	48.966	2.1	108	0.00	7.12
38	P	2-Methylnaphthalene		----------NA----------				
39		1-Methylnaphthalene	50.000	50.855	-1.7	113	0.00	7.45
40	P	1,2,4,5-Tetrachlorobenzen	50.000	48.942	2.1	107	0.00	7.59

Initial Calibration Verification

Job Number: F97802 **Sample:** SX1255-ICV1255
Account: URSNCM URS Corporation **Lab FileID:** X025996.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

41	I	Acenaphthene-d10	40.000	40.000	0.0	104	0.00	8.84
42	P	Hexachlorocyclopentadiene	50.000	56.019	-12.0	113	0.00	7.61
43	P	2,4,6-Trichlorophenol	50.000	50.742	-1.5	106	0.00	7.72
44	P	2,4,5-Trichlorophenol	50.000	52.664	-5.3	111	0.00	7.77
45	S	2-Fluorobiphenyl		----------NA----------				
46	P	1,1'-Biphenyl	50.000	50.887	-1.8	110	0.00	7.96
47	P	2-Chloronaphthalene	50.000	50.300	-0.6	106	0.00	7.97
48	P	2-Nitroaniline		----------NA----------				
49		p-Dinitrobenzene		----------NA----------				
50	P	Dimethylphthalate	50.000	51.707	-3.4	109	-0.01	8.50
51		m-Dinitrobenzene		----------NA----------				
52	P	2,6-Dinitrotoluene	50.000	48.623	2.8	103	0.00	8.60
53		o-Dinitrobenzene		----------NA----------				
54	P	Acenaphthylene	50.000	49.926	0.1	106	-0.01	8.60
55	P	3-Nitroaniline		----------NA----------				
56	P	Acenaphthene	50.000	52.407	-4.8	111	0.00	8.89
		----------	Amount	Calc.	%Drift	----------		
57	P	2,4-Dinitrophenol	100.000	92.886	7.1	101	0.00	8.97
		----------	Amount	Calc.	%Drift	----------		
58	P	4-Nitrophenol	100.000	100.686	-0.7	106	0.00	9.10
59	P	Dibenzofuran		----------NA----------				
60	P	2,4-Dinitrotoluene	50.000	49.714	0.6	102	0.00	9.22
61	P	2,3,5,6-Tetrachlorophenol		----------NA----------				
62	P	2,3,4,6-Tetrachlorophenol	50.000	49.638	0.7	102	0.00	9.43
63	P	Diethylphthalate	50.000	49.626	0.7	105	0.00	9.67
64	P	Fluorene	50.000	50.938	-1.9	108	0.00	9.72
65	P	4-Chlorophenyl-phenylethe	50.000	50.541	-1.1	106	0.00	9.74
66	P	4-Nitroaniline		----------NA----------				
67	I	Phenanthrene-d10	40.000	40.000	0.0	101	0.00	11.35
68	P	4,6-Dinitro-2-methylpheno	100.000	119.417	-19.4	110	0.00	9.91
69	P	n-Nitrosodiphenylamine	50.000	50.927	-1.9	87	-0.01	9.96
70		1,2-Diphenylhydrazine	50.000	51.915	-3.8	107	0.00	10.01
71	S	2,4,6-Tribromophenol		----------NA----------				
72	P	4-Bromophenyl-phenylether	50.000	51.809	-3.6	106	0.00	10.58
73	P	Hexachlorobenzene	50.000	51.271	-2.5	106	0.00	10.82
74		Simazine		----------NA----------				
75	P	Atrazine	50.000	52.826	-5.7	109	-0.01	11.00
76	P	Pentachlorophenol	100.000	98.064	1.9	104	0.00	11.14
77	P	Phenanthrene	50.000	52.694	-5.4	110	0.00	11.39
78	P	Anthracene	50.000	51.656	-3.3	106	0.00	11.47
79	P	Carbazole		----------NA----------				
80	P	Di-n-butylphthalate	50.000	49.547	0.9	101	0.00	12.64
81	P	Fluoranthene	50.000	49.062	1.9	101	0.00	13.58
82	I	Chrysene-d12	40.000	40.000	0.0	99	0.00	16.31
83		Benzidine		----------NA----------				
84	P	Pyrene	50.000	52.654	-5.3	105	0.00	13.99
85	S	Terphenyl-d14		----------NA----------				
86	P	Butylbenzylphthalate	50.000	51.444	-2.9	102	0.00	15.46
87	P	3,3'-Dichlorobenzidine		----------NA----------				
88	P	Benzo[a]anthracene	50.000	51.634	-3.3	102	0.00	16.28
89	P	Chrysene	50.000	51.939	-3.9	104	-0.01	16.36
90	P	bis(2-Ethylhexyl)phthalat	50.000	50.619	-1.2	100	0.00	16.66
91	I	Perylene-d12	40.000	40.000	0.0	90	0.00	18.84
92	P	Di-n-octylphthalate	50.000	55.011	-10.0	97	0.00	17.77
93	P	Benzo[b]fluoranthene	50.000	54.345	-8.7	99	0.00	18.22

Initial Calibration Verification

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: SX1255-ICV1255
Lab FileID: X025996.D

94	P	Benzo[k]fluoranthene	50.000	54.181	-8.4	97	0.00	18.27
95	P	Benzo[a]pyrene	50.000	50.653	-1.3	92	0.00	18.75
96	P	Indeno[1,2,3-cd]pyrene	50.000	53.590	-7.2	93	-0.01	20.44
97	P	Dibenz[a,h]anthracene	50.000	52.892	-5.8	92	-0.01	20.47
98	P	Benzo[g,h,i]perylene	50.000	50.748	-1.5	91	-0.01	20.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
X025992.D 8270d.m Wed Oct 17 13:49:33 2012

7.7.14

7

Initial Calibration Verification

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: SX1255-ICV1255
Lab FileID: X025997.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\101612\X025997.D          Vial: 10
Acq On    : 16 Oct 2012   8:40 pm                   Operator: fouads
Sample    : icv1255-50                              Inst    : MSBNA05
Misc      : op43151,sx1255,30.2,,,1,1,soil          Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\msdchem\1\METHODS\8270d.m (RTE Integrator)
Title        : SW846 8270D OR EPA 625
Last Update  : Wed Oct 17 08:37:50 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	97	0.00	5.26
2		1,4-Dioxane		----------NA----------				
3		N-nitrosodimethylamine		----------NA----------				
4		Pyridine	50.000	50.223	-0.4	98	0.00	3.16
5	S	2-Fluorophenol		----------NA----------				
6	P	Benzaldehyde	25.000	31.141	-24.6#	117	0.00	4.91
7		Aniline	50.000	41.257	17.5	82	0.00	5.02
8	P	bis(2-Chloroethyl)ether		----------NA----------				
9	S	Phenol-d5		----------NA----------				
10	P	Phenol		----------NA----------				
11	P	2-Chlorophenol		----------NA----------				
12		1,3-Dichlorobenzene		----------NA----------				
13		1,4-Dichlorobenzene		----------NA----------				
14		1,2-Dichlorobenzene		----------NA----------				
15		Benzyl alcohol	50.000	49.059	1.9	99	0.00	5.38
16	P	2-Methylphenol		----------NA----------				
17	P	bis(2-chloroisopropyl)eth		----------NA----------				
18	P	Acetophenone		----------NA----------				
19	P	N-Nitroso-di-n-propylamin		----------NA----------				
20	P	3&4-Methylphenol		----------NA----------				
21	P	Hexachloroethane		----------NA----------				
22	I	Naphthalene-d8	40.000	40.000	0.0	104	0.00	6.46
23	S	Nitrobenzene-d5		----------NA----------				
24	P	Nitrobenzene		----------NA----------				
25	P	Isophorone	50.000	47.266	5.5	101	-0.01	5.99
26	P	2-Nitrophenol		----------NA----------				
27	P	2,4-Dimethylphenol		----------NA----------				
28	P	bis(2-Chloroethoxy)methan		----------NA----------				
29		Benzoic Acid		----------NA----------				
30	P	2,4-Dichlorophenol		----------NA----------				
31		1,2,4-Trichlorobenzene		----------NA----------				
32	P	Naphthalene		----------NA----------				
33	P	4-Chloroaniline	50.000	40.322	19.4	85	0.00	6.56
34		2,6-Dichlorophenol		----------NA----------				
35	P	Hexachlorobutadiene		----------NA----------				
36	P	Caprolactam		----------NA----------				
37	P	4-Chloro-3-methylphenol		----------NA----------				
38	P	2-Methylnaphthalene	50.000	45.248	9.5	96	0.00	7.31
39		1-Methylnaphthalene		----------NA----------				
40	P	1,2,4,5-Tetrachlorobenzen		----------NA----------				

Initial Calibration Verification

Job Number: F97802 **Sample:** SX1255-ICV1255
Account: URSNCM URS Corporation **Lab FileID:** X025997.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

41	I	Acenaphthene-d10	40.000	40.000	0.0	97	0.00	8.84
42	P	Hexachlorocyclopentadiene		----------NA----------				
43	P	2,4,6-Trichlorophenol		----------NA----------				
44	P	2,4,5-Trichlorophenol		----------NA----------				
45	S	2-Fluorobiphenyl		----------NA----------				
46	P	1,1'-Biphenyl		----------NA----------				
47	P	2-Chloronaphthalene		----------NA----------				
48	P	2-Nitroaniline	50.000	48.559	2.9	97	0.00	8.16
49		p-Dinitrobenzene		----------NA----------				
50	P	Dimethylphthalate		----------NA----------				
51		m-Dinitrobenzene	50.000	47.999	4.0	94	-0.02	8.50
52	P	2,6-Dinitrotoluene		----------NA----------				
53		o-Dinitrobenzene		----------NA----------				
54	P	Acenaphthylene		----------NA----------				
55	P	3-Nitroaniline	50.000	43.705	12.6	86	-0.02	8.80
56	P	Acenaphthene		----------NA----------				
		----------	Amount	Calc.	%Drift		----------	
57	P	2,4-Dinitrophenol		----------NA----------				
		----------	Amount	Calc.	%Drift		----------	
58	P	4-Nitrophenol		----------NA----------				
59	P	Dibenzofuran	50.000	48.517	3.0	97	-0.01	9.14
60	P	2,4-Dinitrotoluene		----------NA----------				
61	P	2,3,5,6-Tetrachlorophenol		----------NA----------				
62	P	2,3,4,6-Tetrachlorophenol		----------NA----------				
63	P	Diethylphthalate		----------NA----------				
64	P	Fluorene		----------NA----------				
65	P	4-Chlorophenyl-phenylethe		----------NA----------				
66	P	4-Nitroaniline	50.000	50.112	-0.2	97	-0.03	9.82
67	I	Phenanthrene-d10	40.000	40.000	0.0	97	0.00	11.34
68	P	4,6-Dinitro-2-methylpheno		----------NA----------				
69	P	n-Nitrosodiphenylamine		----------NA----------				
70		1,2-Diphenylhydrazine		----------NA----------				
71	S	2,4,6-Tribromophenol		----------NA----------				
72	P	4-Bromophenyl-phenylether		----------NA----------				
73	P	Hexachlorobenzene		----------NA----------				
74		Simazine	50.000	15.408	69.2#	30	-0.04	10.89
75	P	Atrazine		----------NA----------				
76	P	Pentachlorophenol		----------NA----------				
77	P	Phenanthrene		----------NA----------				
78	P	Anthracene		----------NA----------				
79	P	Carbazole	50.000	49.294	1.4	99	0.00	11.79
80	P	Di-n-butylphthalate		----------NA----------				
81	P	Fluoranthene		----------NA----------				
82	I	Chrysene-d12	40.000	40.000	0.0	102	-0.02	16.30
83		Benzidine	100.000	98.364	1.6	125	0.00	13.90
84	P	Pyrene		----------NA----------				
85	S	Terphenyl-d14		----------NA----------				
86	P	Butylbenzylphthalate		----------NA----------				
87	P	3,3'-Dichlorobenzidine	50.000	74.390	-48.8#	153	0.00	16.33
88	P	Benzo[a]anthracene		----------NA----------				
89	P	Chrysene		----------NA----------				
90	P	bis(2-Ethylhexyl)phthalat		----------NA----------				
91	I	Perylene-d12	40.000	40.000	0.0	101	-0.01	18.83
92	P	Di-n-octylphthalate		----------NA----------				
93	P	Benzo[b]fluoranthene		----------NA----------				

Initial Calibration Verification

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: SX1255-ICV1255
Lab FileID: X025997.D

```
94 P   Benzo[k]fluoranthene                ----------NA----------
95 P   Benzo[a]pyrene                      ----------NA----------
96 P   Indeno[1,2,3-cd]pyrene              ----------NA----------
97 P   Dibenz[a,h]anthracene               ----------NA----------
98 P   Benzo[g,h,i]perylene                ----------NA----------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------

   (#) = Out of Range                 SPCC's out = 0  CCC's out = 0
    X025992.D  8270d.m            Wed Oct 17 13:57:16 2012
```

7.7.15

7

Continuing Calibration Summary

Job Number: F97802 **Sample:** SX1258-CC1255
Account: URSNCM URS Corporation **Lab FileID:** X026024.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\101912\X026024.D Vial: 2
Acq On : 19 Oct 2012 10:49 am Operator: fouads
Sample : cc1255-50 Inst : MSBNA05
Misc : op43151,sx1258,30.2,,,1,1,soil Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\METHODS\8270d.m (RTE Integrator)
Title : SW846 8270D OR EPA 625
Last Update : Fri Oct 19 11:12:29 2012
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	128	0.00	5.14
2		1,4-Dioxane	0.462	0.437	5.4	129	-0.04	2.74
3		N-nitrosodimethylamine	0.827	0.784	5.2	125	-0.03	3.06
4		Pyridine	1.248	1.158	7.2	120	-0.03	3.06
5	S	2-Fluorophenol	1.338	1.258	6.0	124	0.00	4.17
6	P	Benzaldehyde	0.800	0.783	2.1	152	0.00	4.79
7		Aniline	2.013	1.899	5.7	124	0.00	4.91
8	P	bis(2-Chloroethyl)ether	1.298	1.192	8.2	120	0.00	4.95
9	S	Phenol-d5	1.539	1.378	10.5	119	0.00	4.88
10	P	Phenol	1.689	1.568	7.2	120	0.00	4.89
11	P	2-Chlorophenol	1.544	1.487	3.7	127	0.00	4.99
12		1,3-Dichlorobenzene	1.636	1.566	4.3	125	0.00	5.11
13		1,4-Dichlorobenzene	1.637	1.553	5.1	126	0.00	5.15
14		1,2-Dichlorobenzene	1.558	1.493	4.2	125	0.00	5.31
15		Benzyl alcohol	0.944	0.877	7.1	124	0.00	5.26
16	P	2-Methylphenol	1.261	1.171	7.1	123	0.00	5.37
17	P	bis(2-chloroisopropyl)eth	2.883	2.655	7.9	122	0.00	5.39
18	P	Acetophenone	1.687	1.617	4.1	127	0.00	5.49
19	P	N-Nitroso-di-n-propylamin	0.706	0.608	13.9	114	0.00	5.52
20	P	3&4-Methylphenol	1.309	1.186	9.4	120	0.00	5.48
21	P	Hexachloroethane	0.558	0.527	5.6	124	0.00	5.57
22	I	Naphthalene-d8	1.000	1.000	0.0	126	0.00	6.32
23	S	Nitrobenzene-d5	0.299	0.281	6.0	119	0.00	5.63
24	P	Nitrobenzene	0.275	0.251	8.7	116	0.00	5.65
25	P	Isophorone	0.546	0.503	7.9	120	0.00	5.86
26	P	2-Nitrophenol	0.214	0.216	-0.9	128	0.00	5.95
27	P	2,4-Dimethylphenol	0.311	0.295	5.1	122	0.00	5.98
28	P	bis(2-Chloroethoxy)methan	0.369	0.342	7.3	121	0.00	6.07
29		Benzoic Acid	0.285	0.284	0.4	129	0.00	6.10
30	P	2,4-Dichlorophenol	0.297	0.290	2.4	124	0.00	6.18
31		1,2,4-Trichlorobenzene	0.310	0.305	1.6	127	0.00	6.28
32	P	Naphthalene	1.027	0.971	5.5	122	0.00	6.35
33	P	4-Chloroaniline	0.453	0.432	4.6	123	0.00	6.41
34		2,6-Dichlorophenol	0.292	0.290	0.7	127	0.00	6.43
35	P	Hexachlorobutadiene	0.152	0.147	3.3	122	0.00	6.54
36	P	Caprolactam	0.118	0.117	0.8	124	0.00	6.80
37	P	4-Chloro-3-methylphenol	0.262	0.251	4.2	123	0.00	6.97
38	P	2-Methylnaphthalene	0.702	0.665	5.3	122	0.00	7.15
39		1-Methylnaphthalene	0.642	0.609	5.1	122	0.00	7.29
40	P	1,2,4,5-Tetrachlorobenzen	0.265	0.258	2.6	124	0.00	7.43

Continuing Calibration Summary

Job Number: F97802 **Sample:** SX1258-CC1255
Account: URSNCM URS Corporation **Lab FileID:** X026024.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

41	I	Acenaphthene-d10	1.000	1.000	0.0	125	0.00	8.67
42	P	Hexachlorocyclopentadiene	0.337	0.326	3.3	118	0.00	7.45
43	P	2,4,6-Trichlorophenol	0.401	0.397	1.0	125	0.00	7.56
44	P	2,4,5-Trichlorophenol	0.413	0.402	2.7	124	-0.01	7.61
45	S	2-Fluorobiphenyl	1.336	1.300	2.7	125	0.00	7.67
46	P	1,1'-Biphenyl	1.537	1.504	2.1	128	0.00	7.79
47	P	2-Chloronaphthalene	1.186	1.098	7.4	118	-0.01	7.81
48	P	2-Nitroaniline	0.330	0.297	10.0	115	0.00	8.00
49		p-Dinitrobenzene	0.180	0.168	6.7	114	0.00	8.16
50	P	Dimethylphthalate	1.288	1.197	7.1	118	0.00	8.33
51		m-Dinitrobenzene	0.240	0.227	5.4	119	0.00	8.35
52	P	2,6-Dinitrotoluene	0.304	0.275	9.5	116	0.00	8.43
53		o-Dinitrobenzene	0.245	0.232	5.3	120	0.00	8.53
54	P	Acenaphthylene	1.973	1.822	7.7	118	0.00	8.43
55	P	3-Nitroaniline	0.429	0.408	4.9	120	0.00	8.64
56	P	Acenaphthene	1.216	1.150	5.4	121	0.00	8.72
		----------	Amount	Calc.	%Drift		----------	
57	P	2,4-Dinitrophenol	50.000	46.424	7.2	114	0.00	8.79
		----------	AvgRF	CCRF	%Dev		----------	
58	P	4-Nitrophenol	0.135	0.134	0.7	125	0.01	8.92
59	P	Dibenzofuran	1.639	1.544	5.8	121	0.00	8.97
60	P	2,4-Dinitrotoluene	0.411	0.397	3.4	119	0.00	9.05
61	P	2,3,5,6-Tetrachlorophenol	0.327	0.317	3.1	122	0.00	9.17
62	P	2,3,4,6-Tetrachlorophenol	0.323	0.307	5.0	118	0.00	9.25
63	P	Diethylphthalate	1.340	1.247	6.9	118	0.01	9.50
64	P	Fluorene	1.353	1.266	6.4	120	0.01	9.54
65	P	4-Chlorophenyl-phenylethe	0.575	0.539	6.3	118	0.01	9.56
66	P	4-Nitroaniline	0.409	0.382	6.6	116	0.00	9.66
67	I	Phenanthrene-d10	1.000	1.000	0.0	121	0.00	11.15
68	P	4,6-Dinitro-2-methylpheno	0.141	0.145	-2.8	117	-0.02	9.73
69	P	n-Nitrosodiphenylamine	0.592	0.565	4.6	118	-0.01	9.78
70		1,2-Diphenylhydrazine	0.658	0.591	10.2	111	-0.01	9.83
71	S	2,4,6-Tribromophenol	0.110	0.105	4.5	115	-0.01	9.98
72	P	4-Bromophenyl-phenylether	0.202	0.195	3.5	119	0.00	10.39
73	P	Hexachlorobenzene	0.216	0.204	5.6	117	0.00	10.63
74		Simazine	0.097	0.103	-6.2	129	0.00	10.74
75	P	Atrazine	0.199	0.197	1.0	123	0.00	10.82
76	P	Pentachlorophenol	0.162	0.158	2.5	118	0.00	10.96
77	P	Phenanthrene	1.183	1.101	6.9	116	0.00	11.20
78	P	Anthracene	1.210	1.128	6.8	115	0.00	11.28
79	P	Carbazole	1.124	1.033	8.1	114	0.00	11.60
80	P	Di-n-butylphthalate	1.393	1.268	9.0	111	0.03	12.46
81	P	Fluoranthene	1.109	1.002	9.6	112	0.03	13.39
82	I	Chrysene-d12	1.000	1.000	0.0	113	0.00	16.11
83		Benzidine	0.741	0.358	51.7#	59	-0.03	13.70
84	P	Pyrene	1.396	1.353	3.1	110	-0.03	13.79
85	S	Terphenyl-d14	0.882	0.870	1.4	111	-0.02	14.20
86	P	Butylbenzylphthalate	0.714	0.707	1.0	111	0.00	15.27
87	P	3,3'-Dichlorobenzidine	0.413	0.416	-0.7	115	0.00	16.13
88	P	Benzo[a]anthracene	1.158	1.120	3.3	109	0.00	16.08
89	P	Chrysene	1.058	1.006	4.9	108	0.00	16.16
90	P	bis(2-Ethylhexyl)phthalat	0.962	0.935	2.8	109	0.02	16.47
91	I	Perylene-d12	1.000	1.000	0.0	113	0.00	18.63
92	P	Di-n-octylphthalate	1.821	1.794	1.5	109	0.00	17.59
93	P	Benzo[b]fluoranthene	1.128	1.086	3.7	111	0.00	18.02

Continuing Calibration Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: SX1258-CC1255
Lab FileID: X026024.D

94	P	Benzo[k]fluoranthene	1.159	1.133	2.2	110	-0.01	18.06
95	P	Benzo[a]pyrene	1.113	1.065	4.3	109	0.00	18.53
96	P	Indeno[1,2,3-cd]pyrene	0.843	0.875	-3.8	113	0.00	20.22
97	P	Dibenz[a,h]anthracene	0.905	0.891	1.5	108	0.00	20.26
98	P	Benzo[g,h,i]perylene	0.980	0.954	2.7	110	0.00	20.57

(#) = Out of Range SPCC's out = 0 CCC's out = 0
X025992.D 8270d.m Fri Oct 19 16:01:17 2012

Southeast ACCUTEST LABORATORIES

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GFF680-MB	FF16339.D	1	10/12/12	CP	n/a	n/a	GFF680

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

F97802-2, F97802-3, F97802-4, F97802-7

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.50	0.16	ug/l	
74-84-0	Ethane	ND	1.0	0.32	ug/l	
74-85-1	Ethene	ND	1.0	0.43	ug/l	

Method Blank Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GFF681-MB	FF16372.D	1	10/15/12	CP	n/a	n/a	GFF681

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

F97802-2, F97802-3

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.50	0.16	ug/l	

Blank Spike Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GFF680-BS	FF16340.D	1	10/12/12	CP	n/a	n/a	GFF680

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

F97802-2, F97802-3, F97802-4, F97802-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
74-82-8	Methane	108	113	105	54-149
74-84-0	Ethane	219	246	112	57-143
74-85-1	Ethene	290	310	107	57-143

* = Outside of Control Limits.

Blank Spike Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GFF681-BS	FF16373.D	1	10/15/12	CP	n/a	n/a	GFF681

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

F97802-2, F97802-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
74-82-8	Methane	108	110	102	54-149

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F97755-3MS	FF16347.D	1	10/12/12	CP	n/a	n/a	GFF680
F97755-3 [a]	FF16346.D	1	10/12/12	CP	n/a	n/a	GFF680

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

F97802-2, F97802-3, F97802-4, F97802-7

CAS No.	Compound	F97755-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
74-82-8	Methane	0.82		108	108	100	54-149
74-84-0	Ethane	1.0 U		219	237	108	57-143
74-85-1	Ethene	0.48	J	290	297	102	57-143

(a) Sample was not preserved to a pH < 2.

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F97660-14MS	FF16380.D	1	10/15/12	CP	n/a	n/a	GFF681
F97660-14	FF16376.D	1	10/15/12	CP	n/a	n/a	GFF681

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

F97802-2, F97802-3

CAS No.	Compound	F97660-14 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
74-82-8	Methane	0.50	U	108	139	129	54-149

* = Outside of Control Limits.

Duplicate Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F97755-3DUP	FF16341.D	1	10/12/12	CP	n/a	n/a	GFF680
F97755-3 [a]	FF16346.D	1	10/12/12	CP	n/a	n/a	GFF680

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

F97802-2, F97802-3, F97802-4, F97802-7

CAS No.	Compound	F97755-3 ug/l	Q	DUP ug/l	Q	RPD	Limits
74-82-8	Methane	0.82		0.43	J	62*	24
74-84-0	Ethane	1.0 U		1.0 U		nc	23
74-85-1	Ethene	0.48	J	0.46	J	4	10

(a) Sample was not preserved to a pH < 2.

* = Outside of Control Limits.

Duplicate Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F97660-12DUP	FF16374.D	1	10/15/12	CP	n/a	n/a	GFF681
F97660-12	FF16379.D	1	10/15/12	CP	n/a	n/a	GFF681

The QC reported here applies to the following samples: **Method:** RSKSOP-147/175

F97802-2, F97802-3

CAS No.	Compound	F97660-12 ug/l	Q	DUP ug/l	Q	RPD	Limits
74-82-8	Methane	0.50	U	0.17	J	0	24

8.4.2

8

* = Outside of Control Limits.

Initial Calibration Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Sample: GFF670-ICC670
Lab FileID: FF16044.D

```
                         Response Factor Report  VOA9

 Method       : C:\HPCHEM\2\METHODS\DGMEEP.M (Chemstation Integrator)
 Title        : Dissolved Gases in Water
 Last Update  : Mon Oct 01 13:06:48 2012
 Response via : Initial Calibration

 Calibration Files
 1   =FF16049.D   2   =FF16042.D   3   =FF16043.D   4   =FF16044.D
 5   =FF16045.D   6   =FF16046.D   7   =FF16047.D

    Compound             1     2     3     4     5     6     7     Avg   %RSD
 ---------------------------------------------------------------------------
 1)  Methane           1.049 0.589 0.678 0.793 0.885 0.764 0.830 0.798 E4  18.51
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9985
              Response Ratio = 0.00000 + 8174.02767 *A

 2)  Acetylene         1.771 0.854 1.549 1.925 2.161 1.955 2.237 1.779 E4  26.34
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9965
              Response Ratio = 0.00000 + 21801.10900 *A

 3)  Ethylene          1.568 0.835 1.266 1.523 1.701 1.413 1.566 1.410 E4  20.42
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9976
              Response Ratio = 0.00000 + 15363.41597 *A

 4)  Ethane            1.538 0.800 1.245 1.515 1.650 1.365 1.506 1.374 E4  20.72
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9978
              Response Ratio = 0.00000 + 14792.17556 *A

 5)  Propane                 0.147 1.508 2.270 2.495 2.125 2.291 1.806 E4  48.71
            ---- Linear regr., Force(0,0) ----  Coefficient =  0.9985
              Response Ratio = 0.00000 + 22596.72882 *A

---------------------------------------------------------------------------
(#) = Out of Range

          DGMEEP.M          Tue Oct 02 13:16:06 2012
```

8.5.1

8

Initial Calibration Verification

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: GFF670-ICV670
Lab FileID: FF16050.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\100112\FF16050.D          Vial: 11
Acq On    :  1 Oct 2012   1:12 pm                   Operator: CARLENEP
Sample    : ICV670-1000                             Inst    : VOA9
Misc      : gc14240,gff670,,,,,                     Multiplr: 1.00
IntFile   : EVENTS.E

Method       : C:\HPCHEM\2\METHODS\DGMEEP.M (Chemstation Integrator)
Title        : Dissolved Gases in Water
Last Update  : Mon Oct 01 13:06:48 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
		Amount	Calc.	%Drift			
1	Methane	1000.000	971.449	2.9	90	0.00	0.46- 1.06
2	Acetylene	1000.000	996.632	0.3	101	0.03	1.01- 2.01
3	Ethylene	1000.000	1016.236	-1.6	92	0.05	1.59- 2.39
4	Ethane	1000.000	1047.585	-4.8	94	0.05	2.02- 2.82
5	Propane	1000.000	930.810	6.9	84	0.09	4.85- 5.85

(#) = Out of Range SPCC's out = 0 CCC's out = 0
FF16045.D DGMEEP.M Tue Oct 02 13:15:48 2012

8.5.2

8

Continuing Calibration Summary

Job Number: F97802 **Sample:** GFF680-CC670
Account: URSNCM URS Corporation **Lab FileID:** FF16337.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
                    Evaluate Continuing Calibration Report

 Data File : C:\HPCHEM\2\DATA\101212\FF16337.D           Vial: 1
 Acq On    : 12 Oct 2012   8:43 am                   Operator: CARLENEP
 Sample    : CC670-1000                              Inst    : VOA9
 Misc      : gc14293,gff680,,,,,                     Multiplr: 1.00
 IntFile   : EVENTS.E

 Method       : C:\HPCHEM\2\METHODS\DGMEEP.M (Chemstation Integrator)
 Title        : Dissolved Gases in Water
 Last Update  : Mon Oct 15 10:58:49 2012
 Response via : Multiple Level Calibration

 Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
 Max. RRF Dev :  15%     Max. Rel. Area : 150%

        Compound                Amount  Calc.    %Drift Area% Dev(min)RT Window
 ---------------------------------------------------------------------------

           -------------------- Amount  Calc.    %Drift  --------------
 1     Methane                1000.000 1066.877     -6.7   99   0.06    0.44- 1.04
 2     Acetylene              1000.000 963.701      3.6   97   0.04    1.02- 2.02
 3     Ethylene               1000.000 1082.337     -8.2   98   0.04    1.63- 2.43
 4     Ethane                 1000.000 1125.206    -12.5  101   0.04    2.06- 2.86
 5     Propane                1000.000 1066.039     -6.6   97   0.05    4.92- 5.92
-----------------------------------------------------------------------------
-----------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    FF16045.D  DGMEEP.M         Mon Oct 15 11:14:22 2012
```

8.5.3

8

Continuing Calibration Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: GFF680-CC670
Lab FileID: FF16348.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\101212\FF16348.D          Vial: 12
Acq On    : 12 Oct 2012  11:47 am                   Operator: CARLENEP
Sample    : CC670-1000                              Inst    : VOA9
Misc      : gc14300,gff680,,,,,                     Multiplr: 1.00
IntFile   : EVENTS.E

Method       : C:\HPCHEM\2\METHODS\DGMEEP.M (Chemstation Integrator)
Title        : Dissolved Gases in Water
Last Update  : Mon Oct 15 10:58:49 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
		Amount	Calc.	%Drift			
1	Methane	1000.000	1073.576	-7.4	99	0.19	0.44- 1.04
2	Acetylene	1000.000	965.671	3.4	97	0.25	1.02- 2.02
3	Ethylene	1000.000	1091.834	-9.2	99	0.28	1.63- 2.43
4	Ethane	1000.000	1135.196	-13.5	102	0.30	2.06- 2.86
5	Propane	1000.000	1068.417	-6.8	97	0.39	4.92- 5.92

(#) = Out of Range SPCC's out = 0 CCC's out = 0
FF16045.D DGMEEP.M Mon Oct 15 11:14:22 2012

8.5.4

8

Continuing Calibration Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: GFF680-CC670
Lab FileID: FF16359.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\101212\FF16359.D          Vial: 23
Acq On    : 12 Oct 2012   2:17 pm                  Operator: CARLENEP
Sample    : CC670-500                              Inst    : VOA9
Misc      : gc14300,gff680,,,,,                    Multiplr: 1.00
IntFile   : EVENTS.E

Method       : C:\HPCHEM\2\METHODS\DGMEEP.M (Chemstation Integrator)
Title        : Dissolved Gases in Water
Last Update  : Mon Oct 15 11:15:18 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
		Amount	Calc.	%Drift			
1	Methane	500.000	532.817	-6.6	110	0.00	0.75- 1.35
2	Acetylene	500.000	473.746	5.3	107	0.00	1.44- 2.44
3	Ethylene	500.000	538.277	-7.7	109	0.00	2.10- 2.90
4	Ethane	500.000	553.631	-10.7	108	0.00	2.57- 3.37
5	Propane	500.000	512.997	-2.6	102	0.00	5.66- 6.66

(#) = Out of Range SPCC's out = 0 CCC's out = 0
FF16044.D DGMEEP.M Mon Oct 15 11:16:20 2012

8.5.5

8

Continuing Calibration Summary

Job Number: F97802 **Sample:** GFF680-ECC670
Account: URSNCM URS Corporation **Lab FileID:** FF16368.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

```
                    Evaluate Continuing Calibration Report

 Data File : C:\HPCHEM\2\DATA\101212\FF16368.D           Vial: 32
 Acq On    : 12 Oct 2012   4:59 pm                   Operator: CARLENEP
 Sample    : ECC670-1000                             Inst    : VOA9
 Misc      : gc14300,gff680,,,,,                     Multiplr: 1.00
 IntFile   : EVENTS.E

 Method       : C:\HPCHEM\2\METHODS\DGMEEP.M (Chemstation Integrator)
 Title        : Dissolved Gases in Water
 Last Update  : Mon Oct 15 10:58:49 2012
 Response via : Multiple Level Calibration

 Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
 Max. RRF Dev :  15%     Max. Rel. Area : 150%

        Compound                Amount  Calc.    %Drift Area% Dev(min)RT Window
 ---------------------------------------------------------------------------

           -------------------- Amount  Calc.    %Drift  --------------
 1     Methane                1000.000 1106.547    -10.7  102   0.02    0.44- 1.04
 2     Acetylene              1000.000 1000.821     -0.1  101   0.02    1.02- 2.02
 3     Ethylene               1000.000 1126.617    -12.7  102   0.02    1.63- 2.43
 4     Ethane                 1000.000 1115.829    -11.6  100   0.02    2.06- 2.86
 5     Propane                1000.000 1086.964     -8.7   98   0.03    4.92- 5.92
---------------------------------------------------------------------------
---------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    FF16045.D  DGMEEP.M         Mon Oct 15 11:14:23 2012
```

8.5.6

8

Continuing Calibration Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: GFF681-CC670
Lab FileID: FF16370.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\101512\FF16370.D          Vial: 2
Acq On    : 15 Oct 2012   9:09 am                   Operator: CARLENEP
Sample    : CC670-1000                              Inst    : VOA9
Misc      : gc14300,gff681,,,,,                     Multiplr: 1.00
IntFile   : EVENTS.E

Method       : C:\HPCHEM\2\METHODS\DGMEEP.M (Chemstation Integrator)
Title        : Dissolved Gases in Water
Last Update  : Mon Oct 15 14:05:35 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
		Amount	Calc.	%Drift			
1	Methane	1000.000	1082.874	-8.3	100	0.00	0.44- 1.04
2	Acetylene	1000.000	982.548	1.7	99	0.00	1.02- 2.02
3	Ethylene	1000.000	1102.755	-10.3	100	0.00	1.63- 2.43
4	Ethane	1000.000	1085.885	-8.6	97	0.00	2.06- 2.86
5	Propane	1000.000	1099.887	-10.0	100	0.00	4.92- 5.92

(#) = Out of Range SPCC's out = 0 CCC's out = 0
FF16045.D DGMEEP.M Mon Oct 15 14:30:51 2012

8.5.7

8

Continuing Calibration Summary

Job Number: F97802
Account: URSNCM URS Corporation
Project: Hamilton Beach: 234 Springs Rd, Washington, NC
Sample: GFF681-CC670
Lab FileID: FF16381.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\101512\FF16381.D          Vial: 13
Acq On    : 15 Oct 2012  12:03 pm                   Operator: CARLENEP
Sample    : CC670-500                               Inst    : VOA9
Misc      : gc14310,gff681,,,,,                     Multiplr: 1.00
IntFile   : EVENTS.E

Method       : C:\HPCHEM\2\METHODS\DGMEEP.M (Chemstation Integrator)
Title        : Dissolved Gases in Water
Last Update  : Mon Oct 15 14:05:35 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
		Amount	Calc.	%Drift			
1	Methane	500.000	550.075	-10.0	113	0.02	0.44- 1.04
2	Acetylene	500.000	498.196	0.4	113	0.02	1.02- 2.02
3	Ethylene	500.000	561.623	-12.3	113	0.01	1.63- 2.43
4	Ethane	500.000	547.777	-9.6	107	0.01	2.06- 2.86
5	Propane	500.000	566.229	-13.2	113	0.01	4.92- 5.92

(#) = Out of Range SPCC's out = 0 CCC's out = 0
FF16044.D DGMEEP.M Mon Oct 15 14:30:32 2012

8.5.8

8

Continuing Calibration Summary

Job Number: F97802 **Sample:** GFF681-CC670
Account: URSNCM URS Corporation **Lab FileID:** FF16392.D
Project: Hamilton Beach: 234 Springs Rd, Washington, NC

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\101512\FF16392.D          Vial: 24
Acq On    : 15 Oct 2012   3:23 pm                   Operator: CARLENEP
Sample    : CC670-500                               Inst    : VOA9
Misc      : gc14310,gff681,,,,,                     Multiplr: 1.00
IntFile   : EVENTS.E

Method       : C:\HPCHEM\2\METHODS\DGMEEP.M (Chemstation Integrator)
Title        : Dissolved Gases in Water
Last Update  : Mon Oct 15 12:24:02 2012
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
		Amount	Calc.	%Drift			
1	Methane	500.000	557.752	-11.6	115	0.00	0.46- 1.06
2	Acetylene	500.000	493.843	1.2	112	0.00	1.03- 2.03
3	Ethylene	500.000	562.381	-12.5	113	0.00	1.64- 2.44
4	Ethane	500.000	557.339	-11.5	109	0.00	2.07- 2.87
5	Propane	500.000	561.741	-12.3	112	0.00	4.93- 5.93

(#) = Out of Range SPCC's out = 0 CCC's out = 0
FF16044.D DGMEEP.M Tue Oct 16 09:37:25 2012

8.5.9

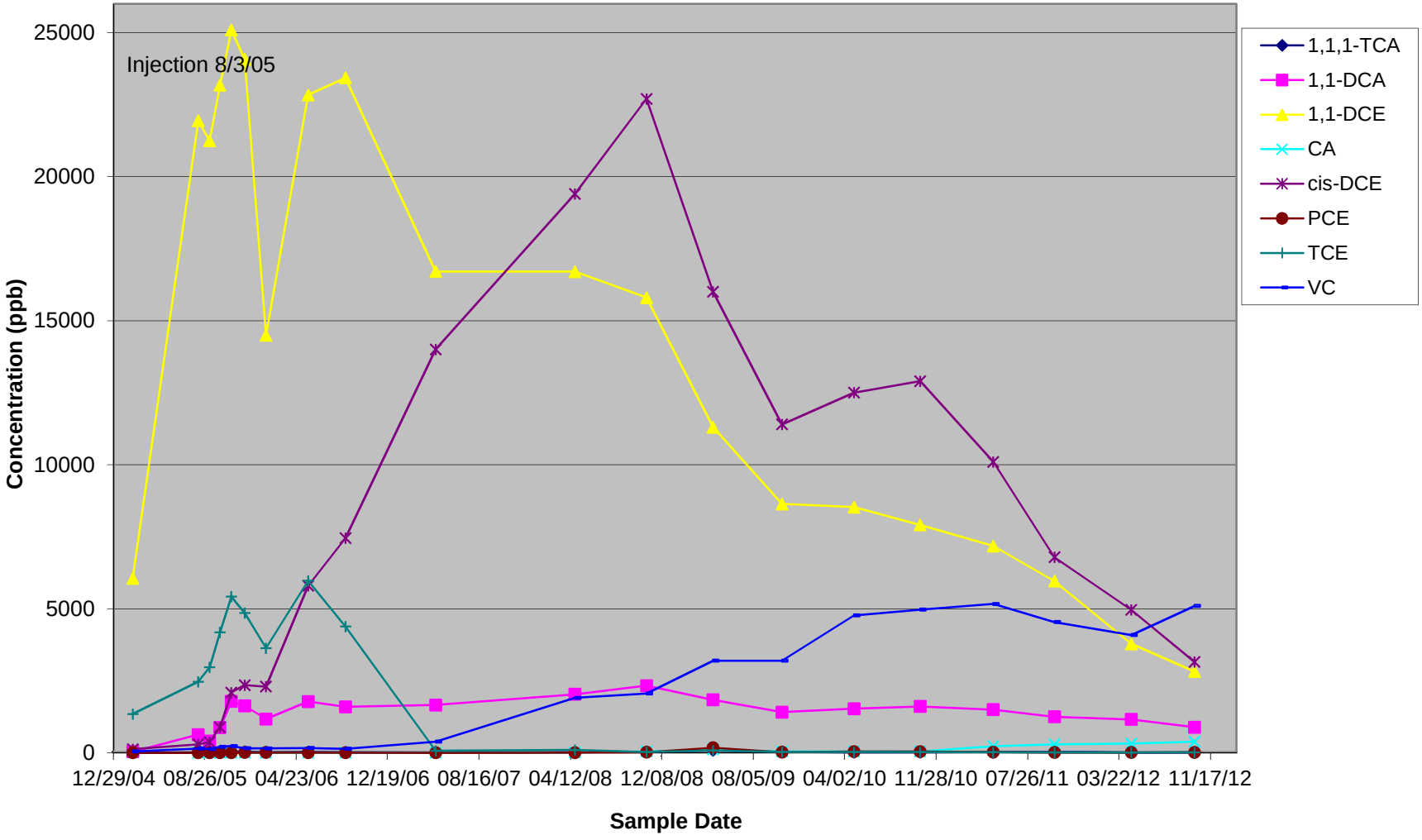
8

APPENDIX C

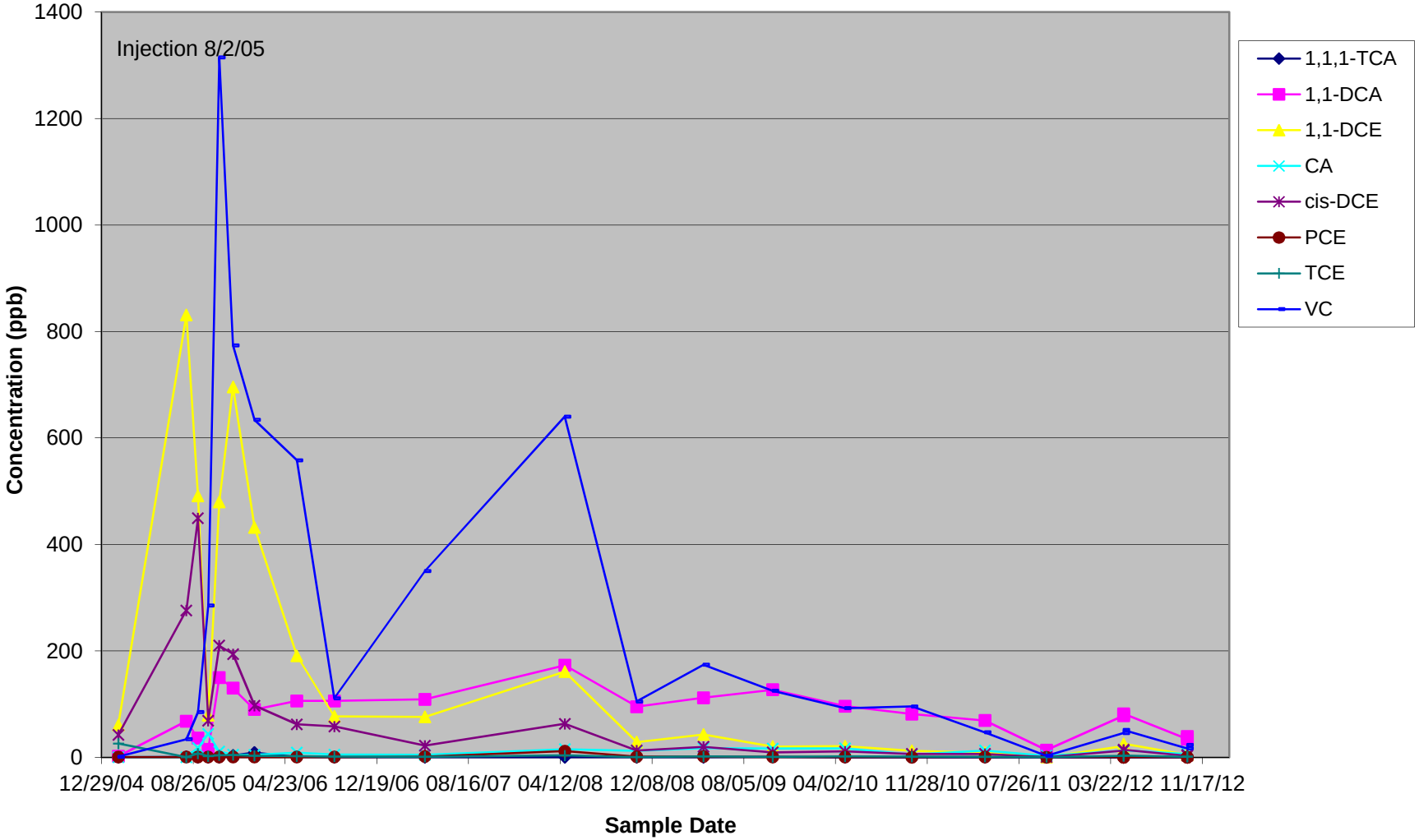
APPENDIX C-1

UNIT A SAMPLING POINT PLOTS

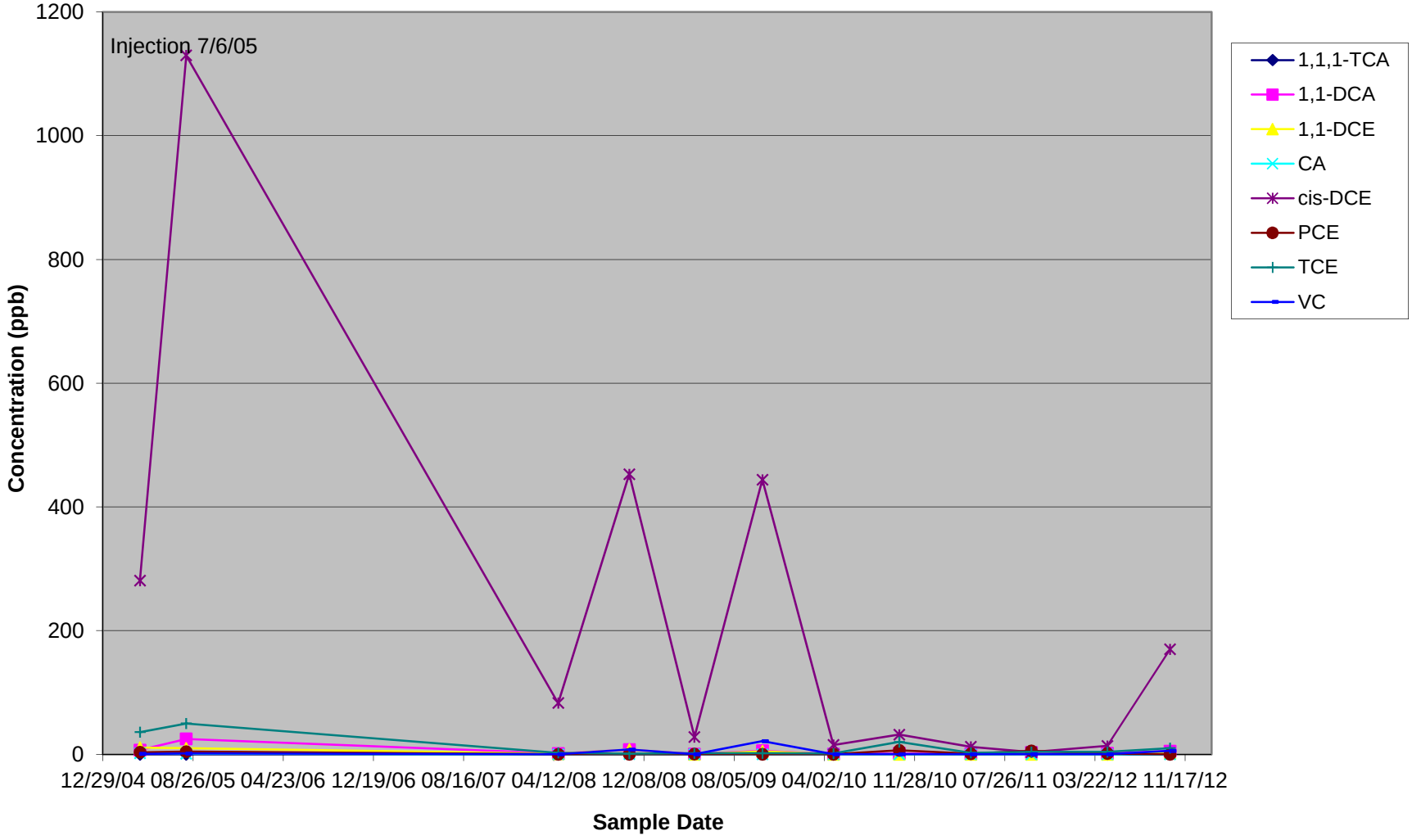
Appendix C-1
Unit A MW-ERH2



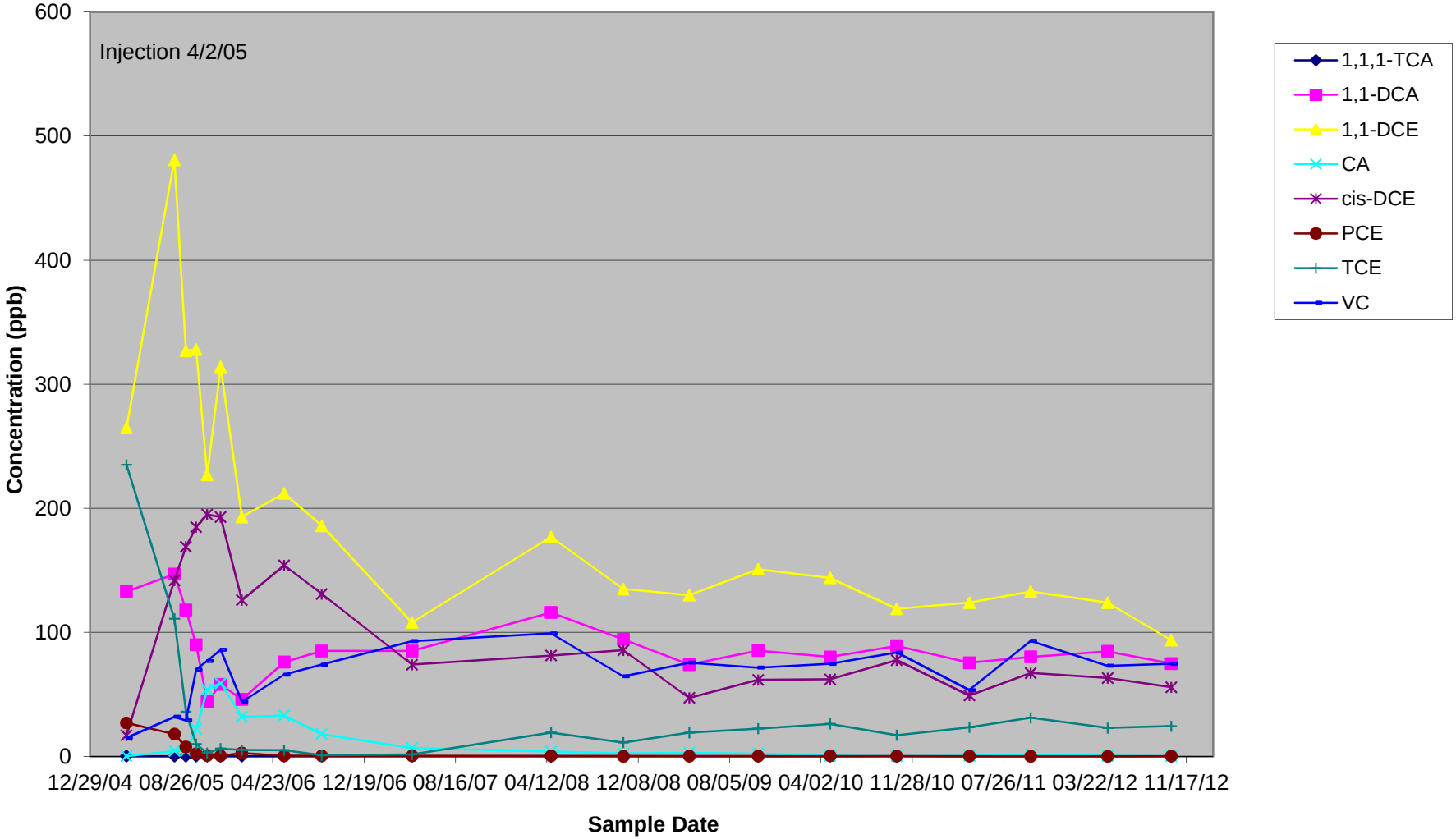
Appendix C-1
Unit A MW-GAW2



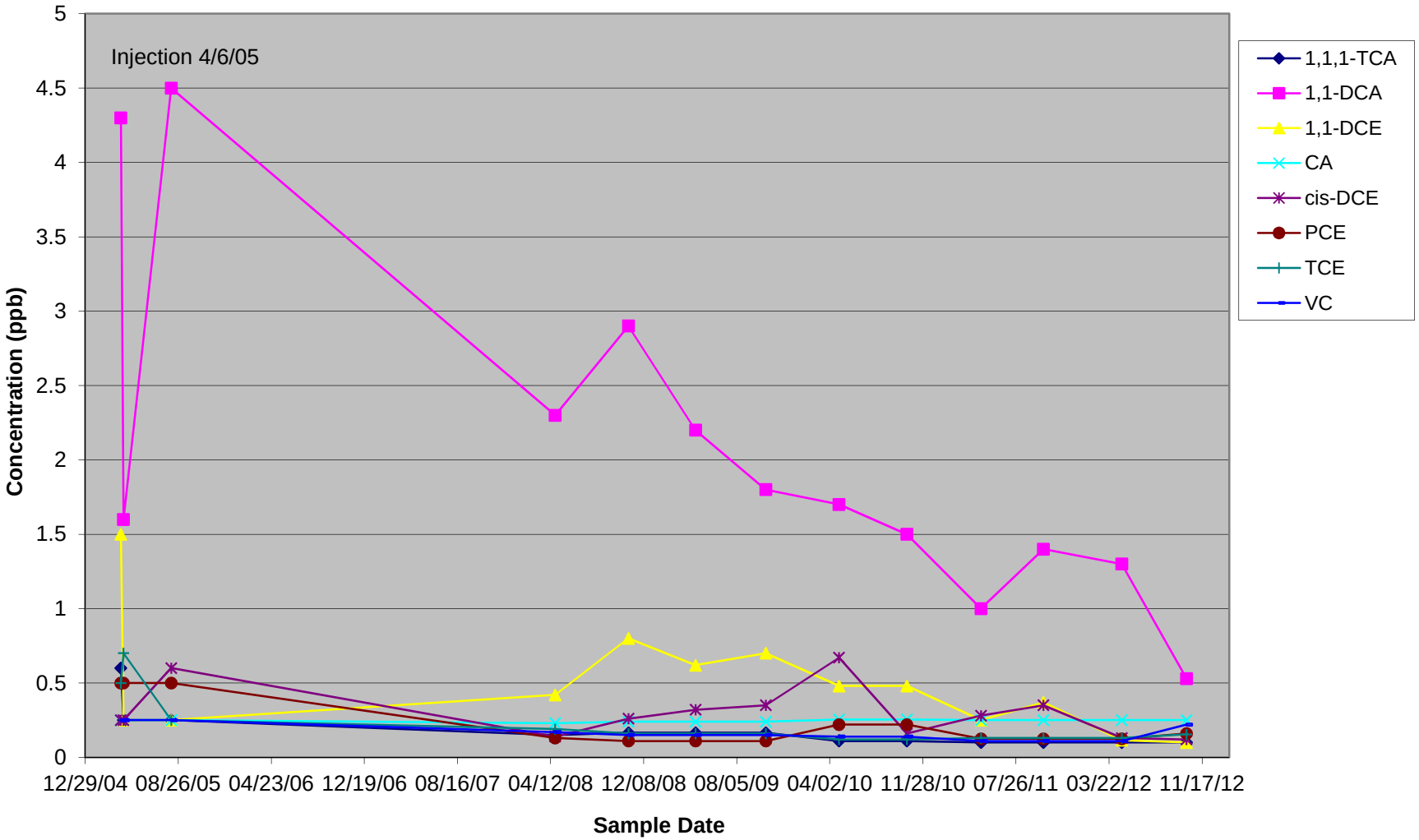
Appendix C-1
Unit A MW-211



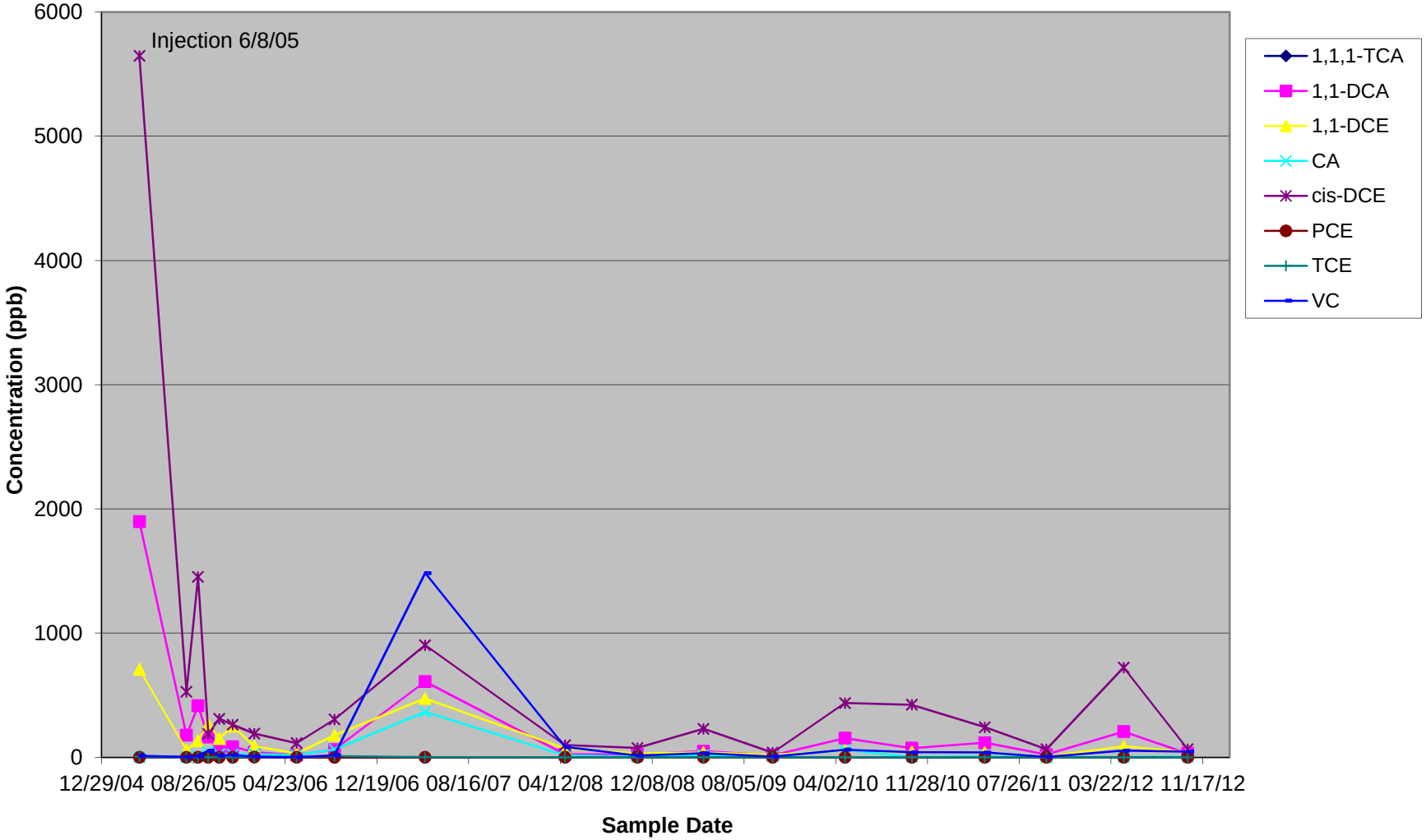
Appendix C-1
Unit A MW-213



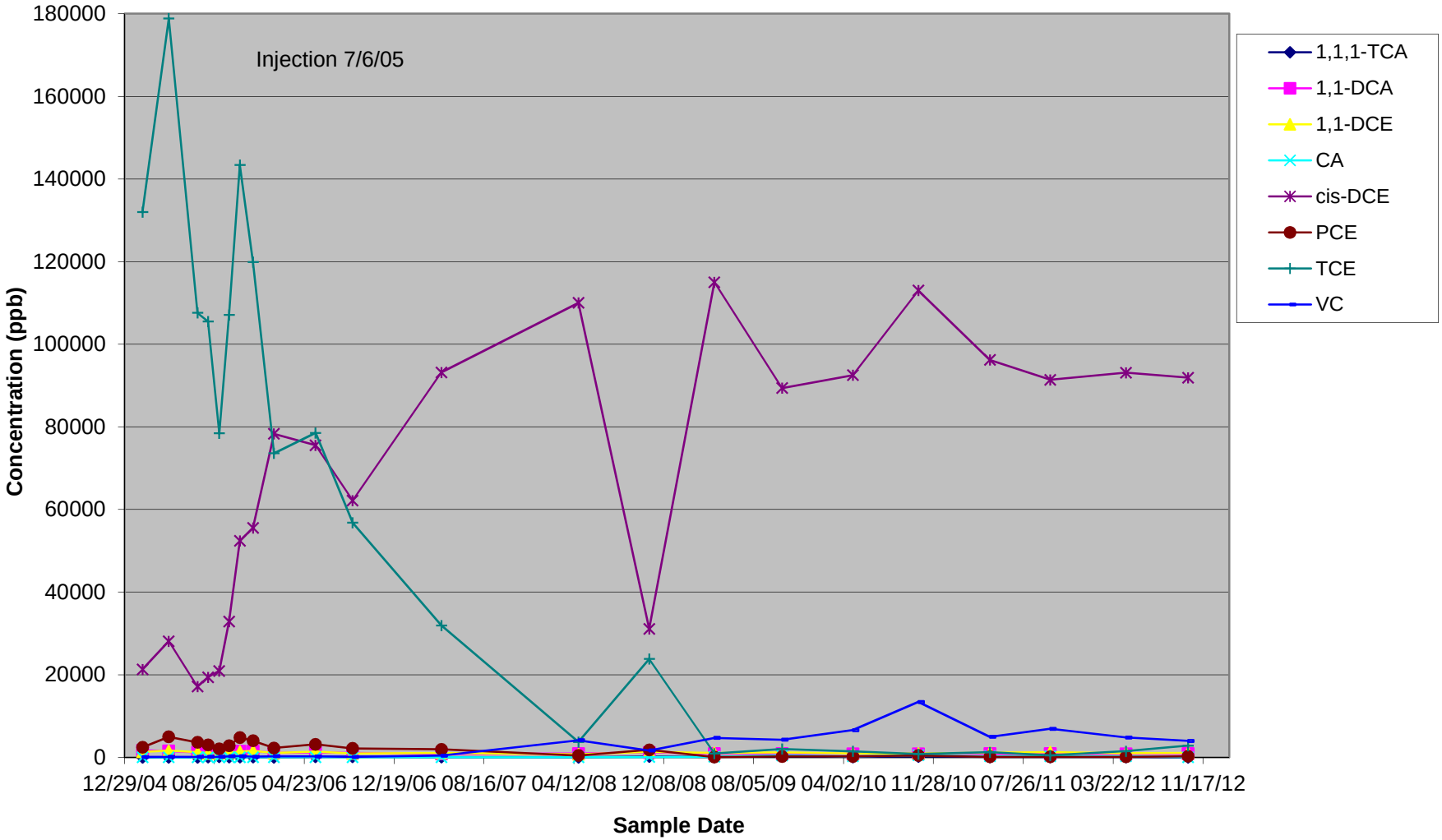
Appendix C-1
Unit A MW-219



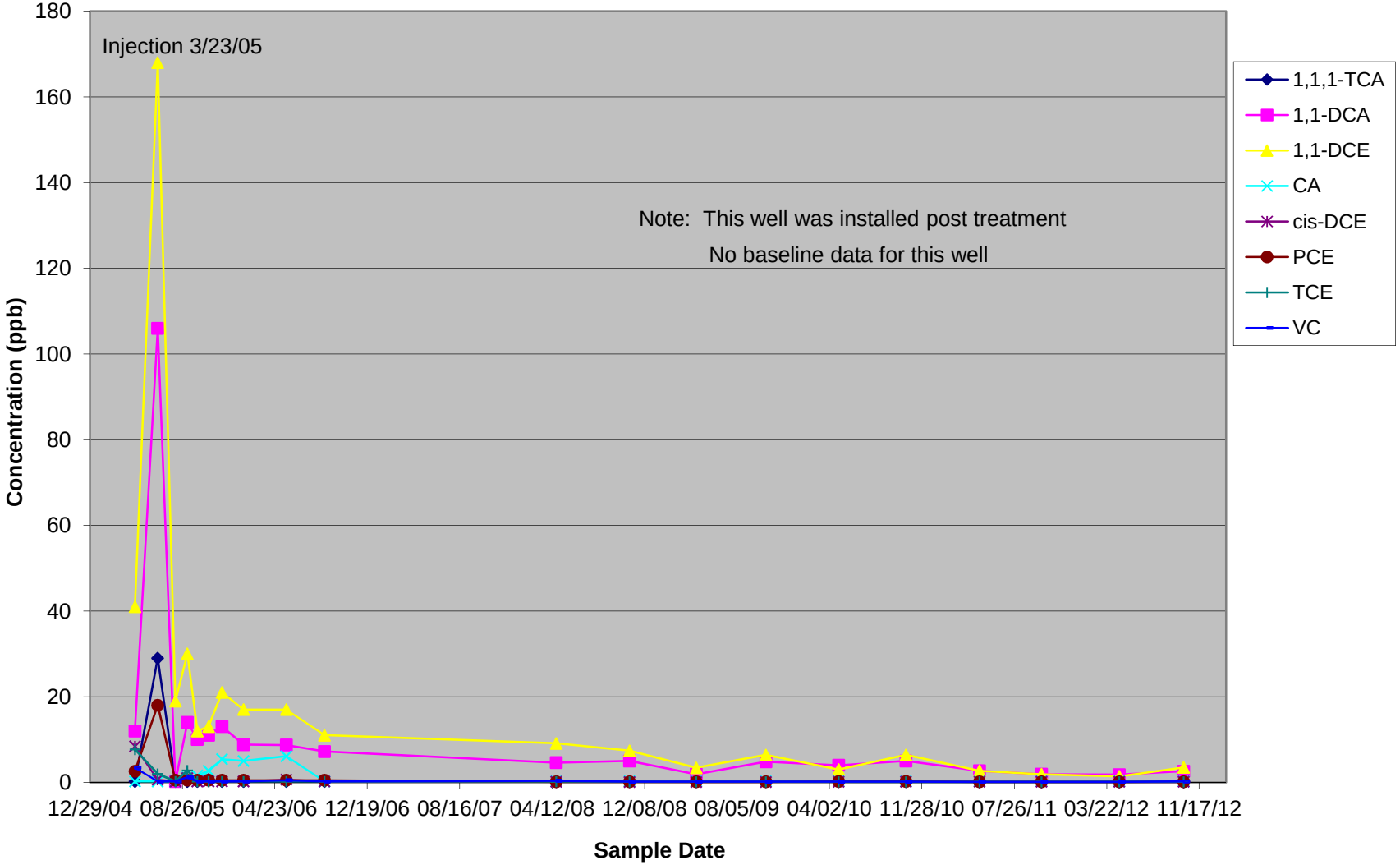
Appendix C-1
Unit A MW-229



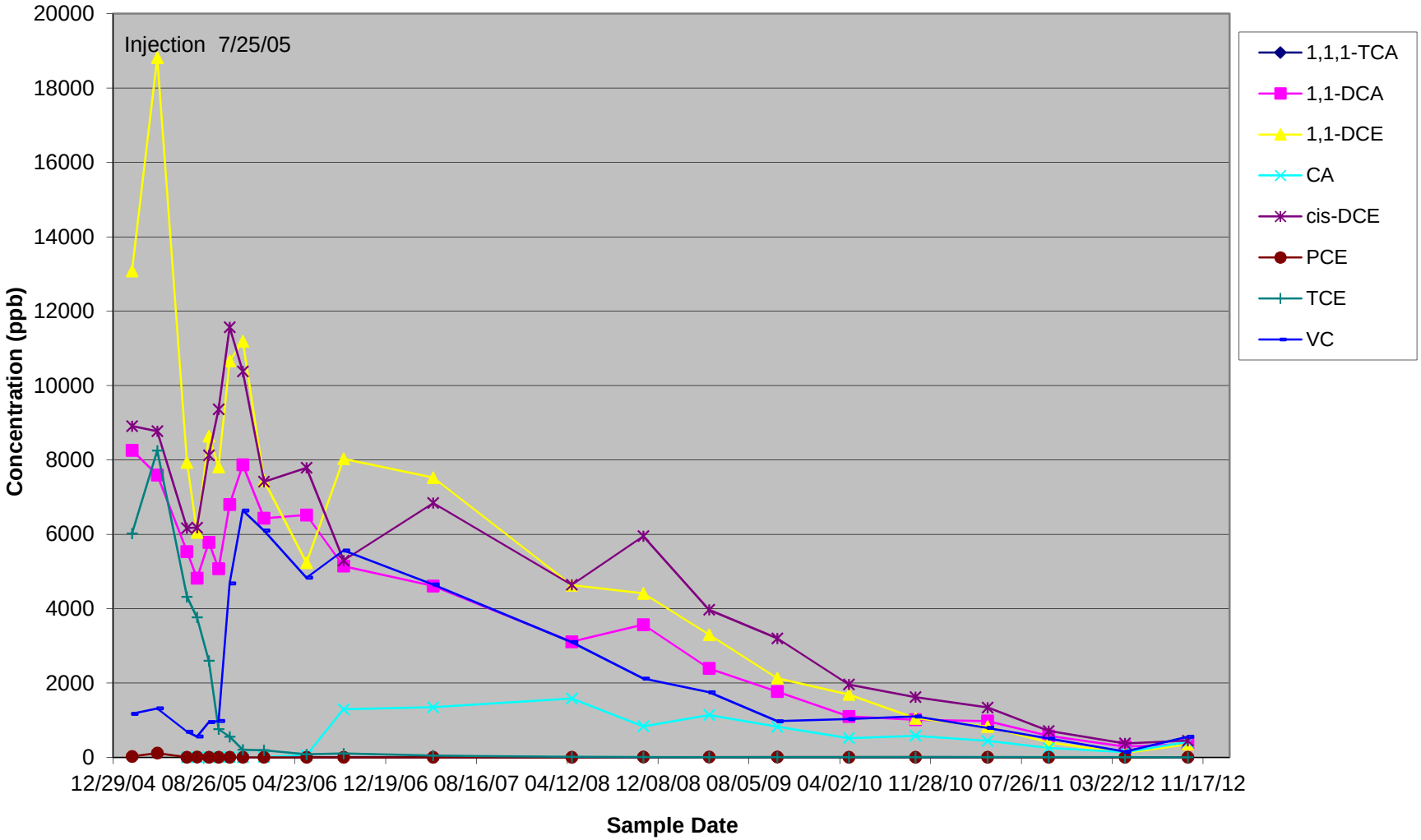
Appendix C-1
Unit A NW-D-9



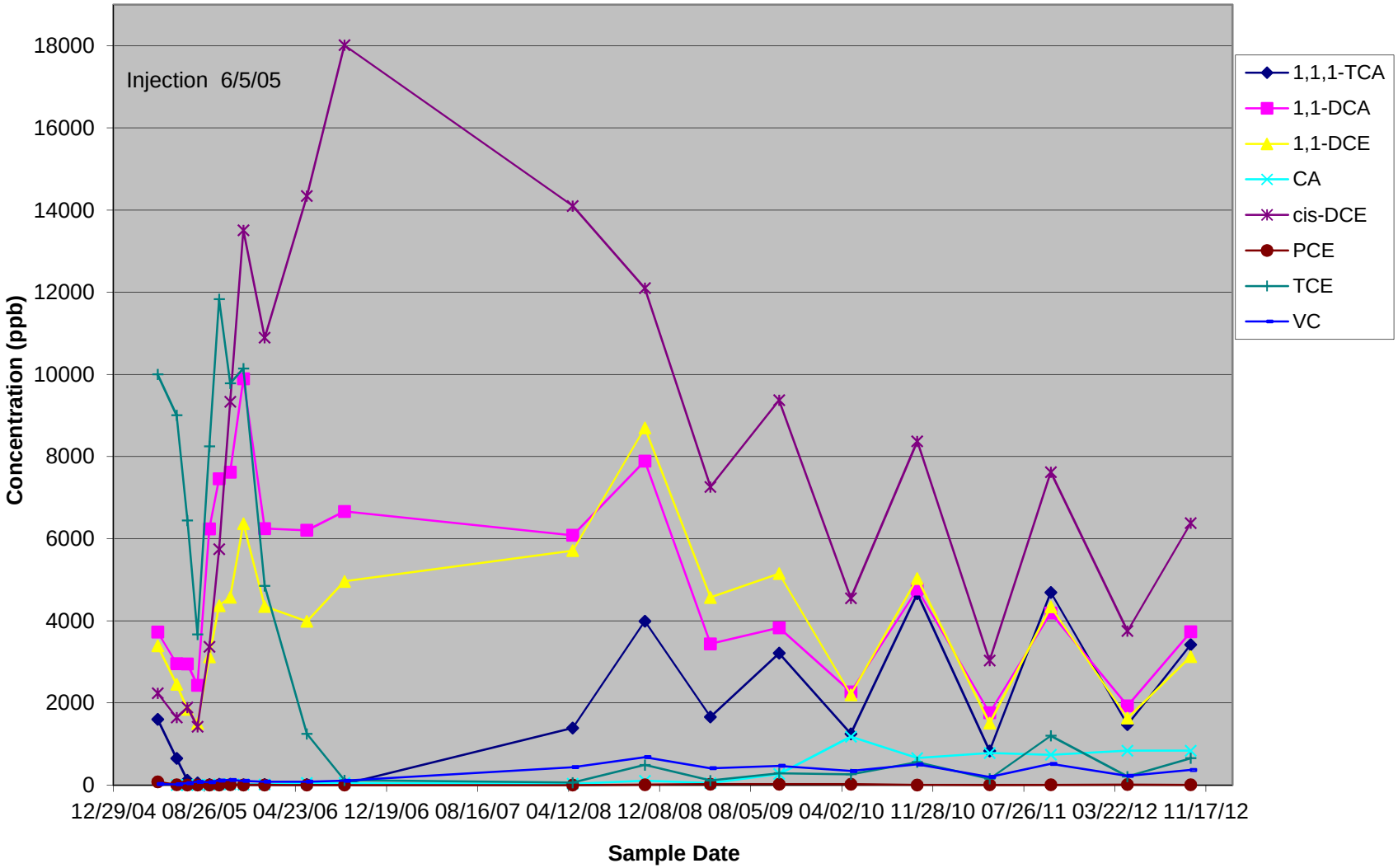
Appendix C-1
Unit A Sampling Point NW-F-2



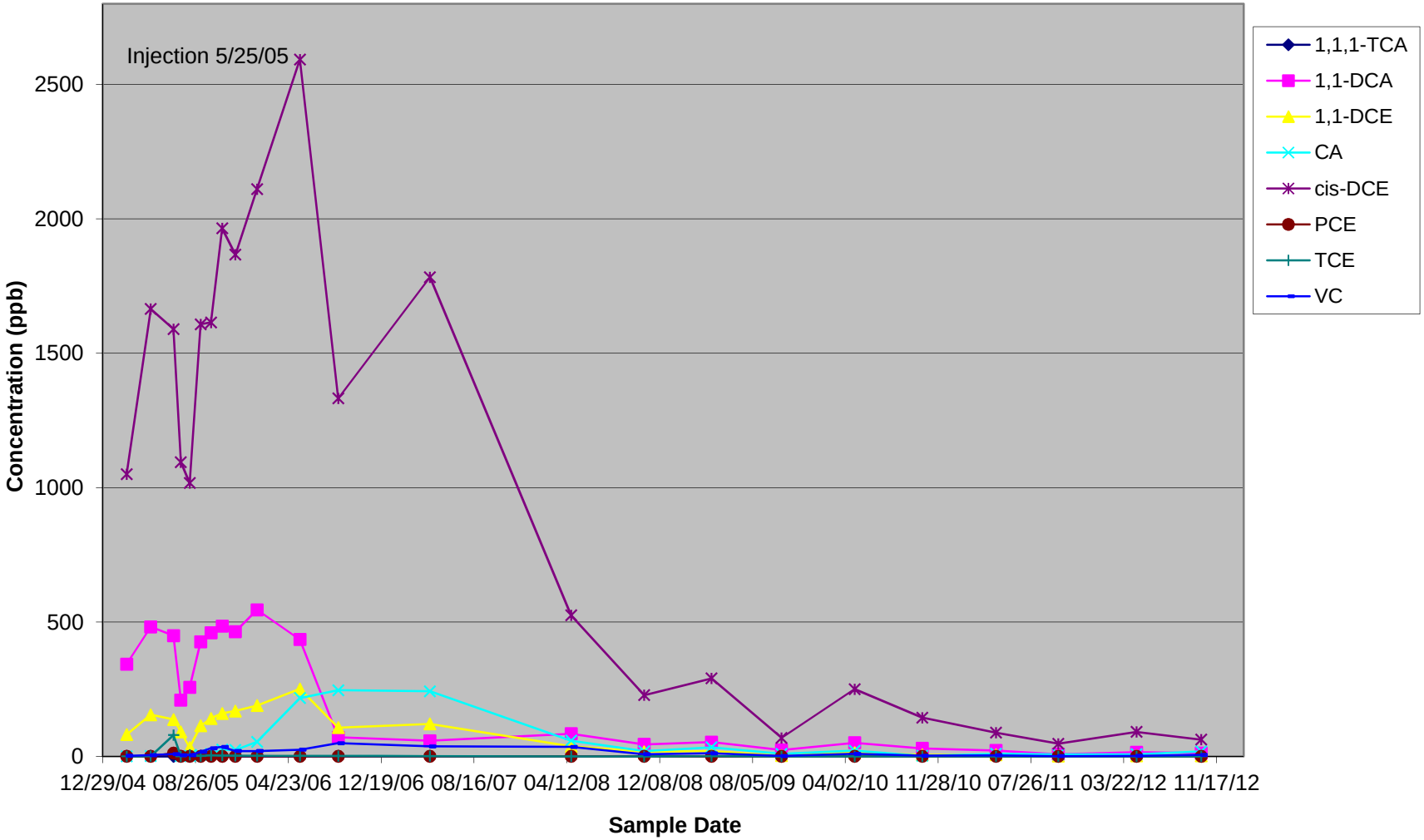
Appendix C-1
Unit A NW-G-12



Appendix C-1
Unit A NW-K-6



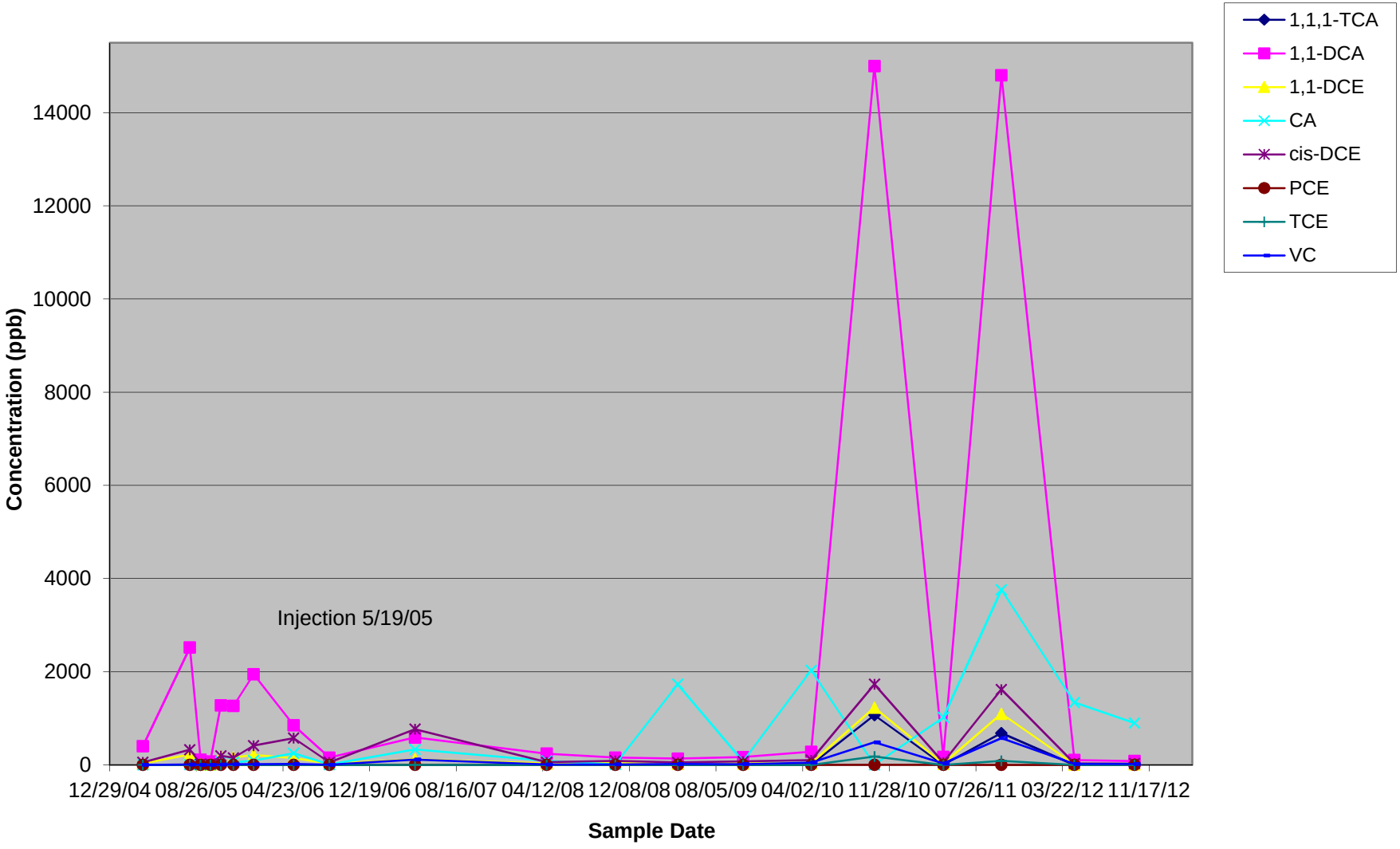
Appendix C-1
Unit A NW-P-0



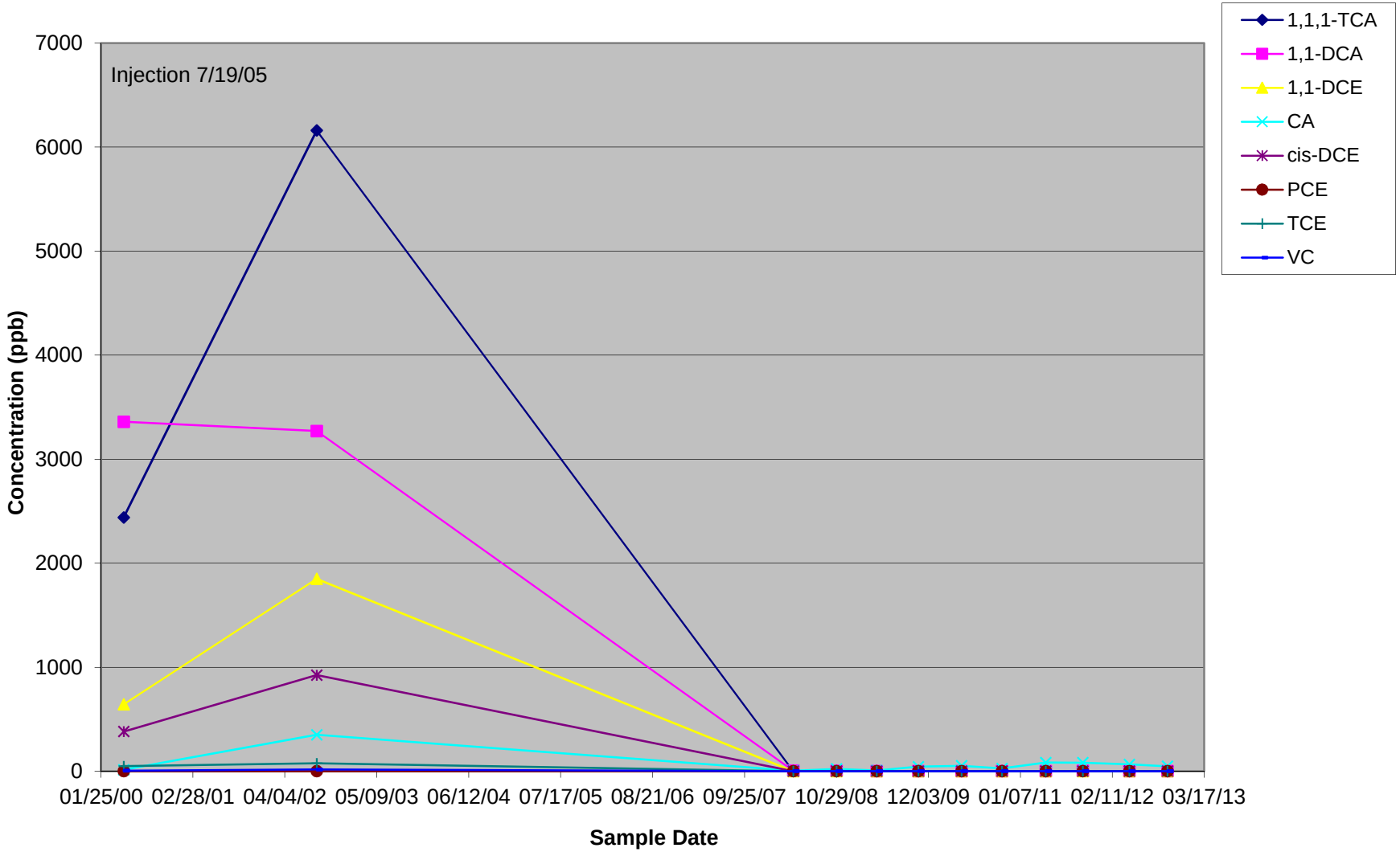
APPENDIX C-2

UNIT B SAMPLING POINT PLOTS

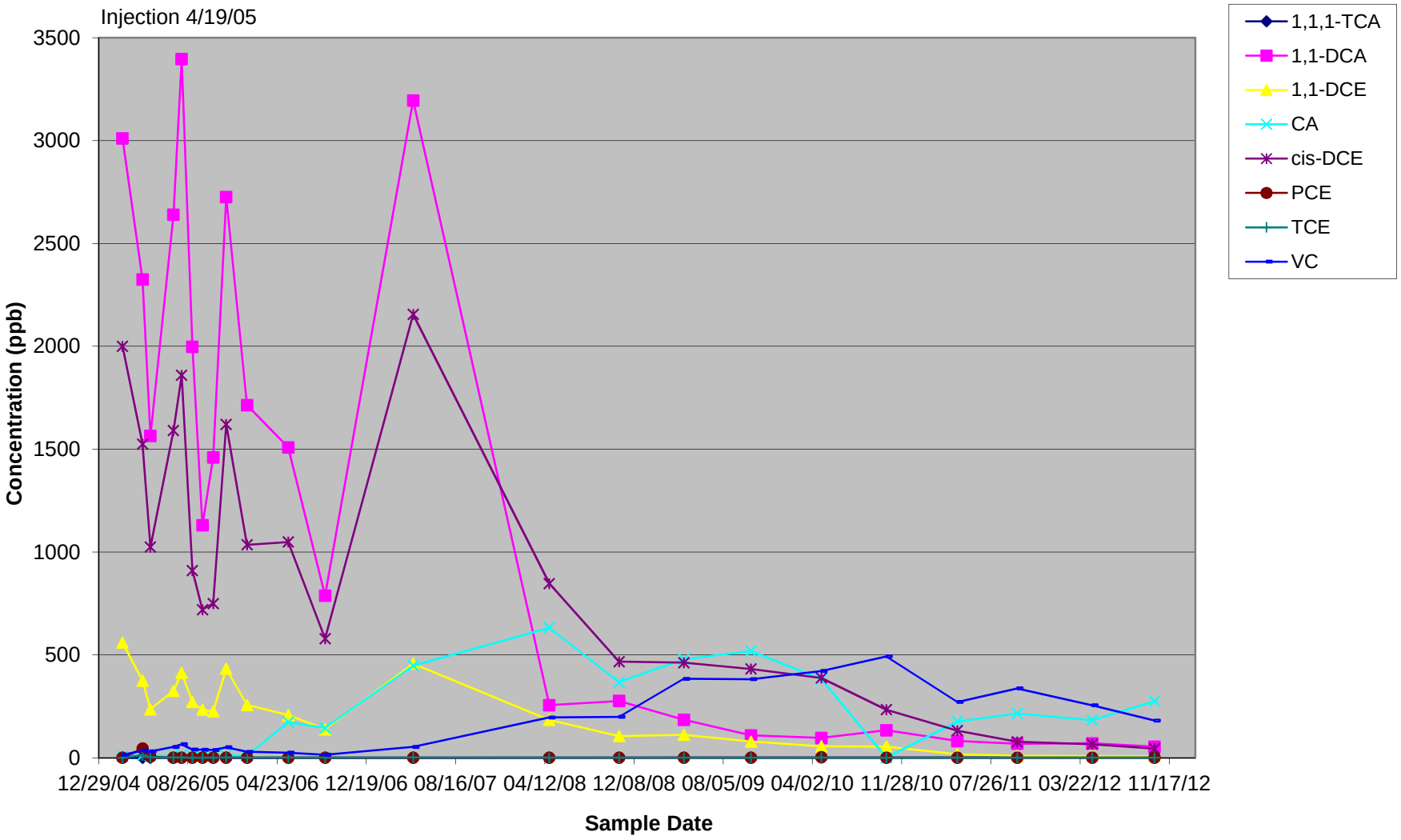
Appendix C-2
Unit B MW-209



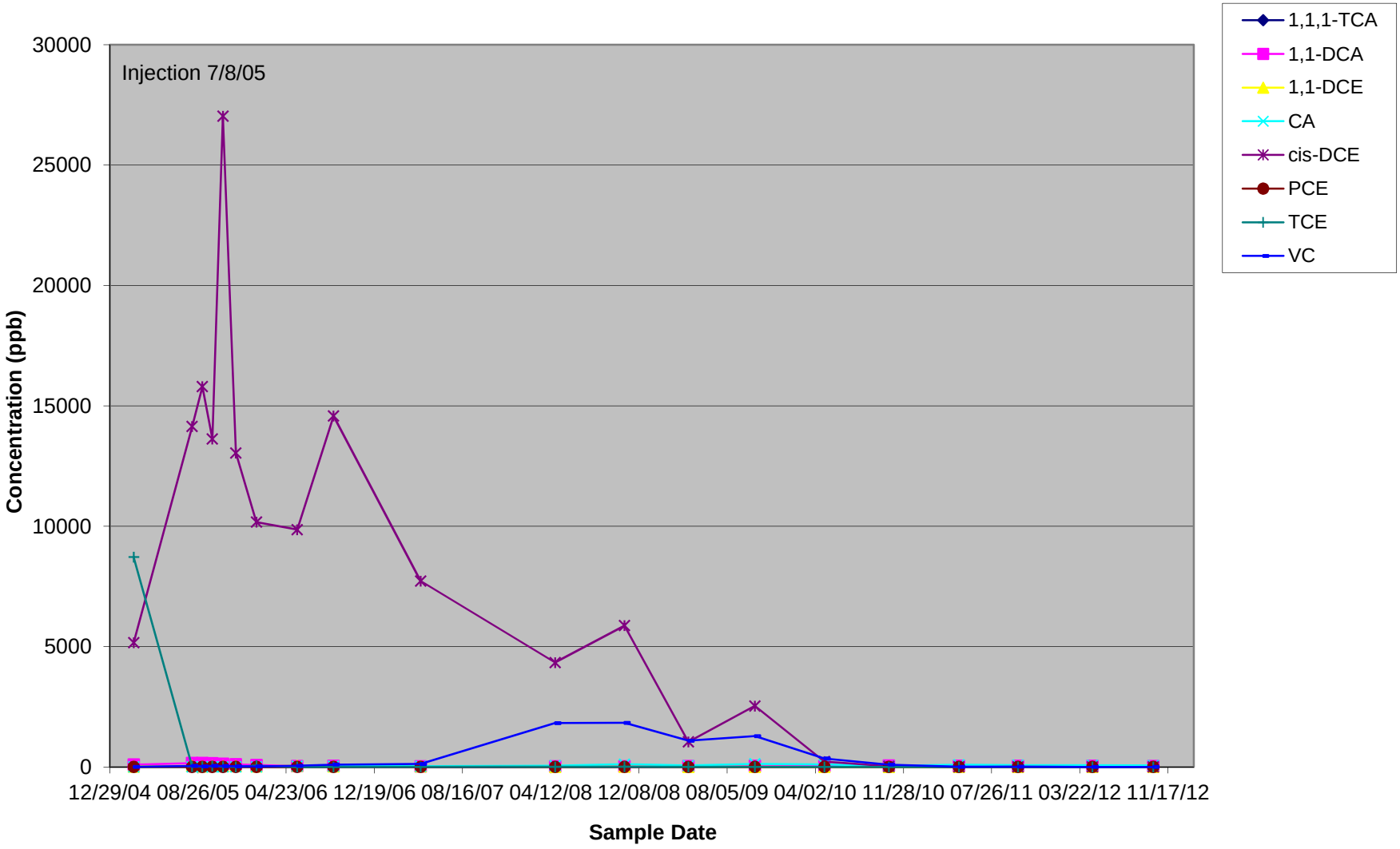
Appendix C-2
Unit B MW-227



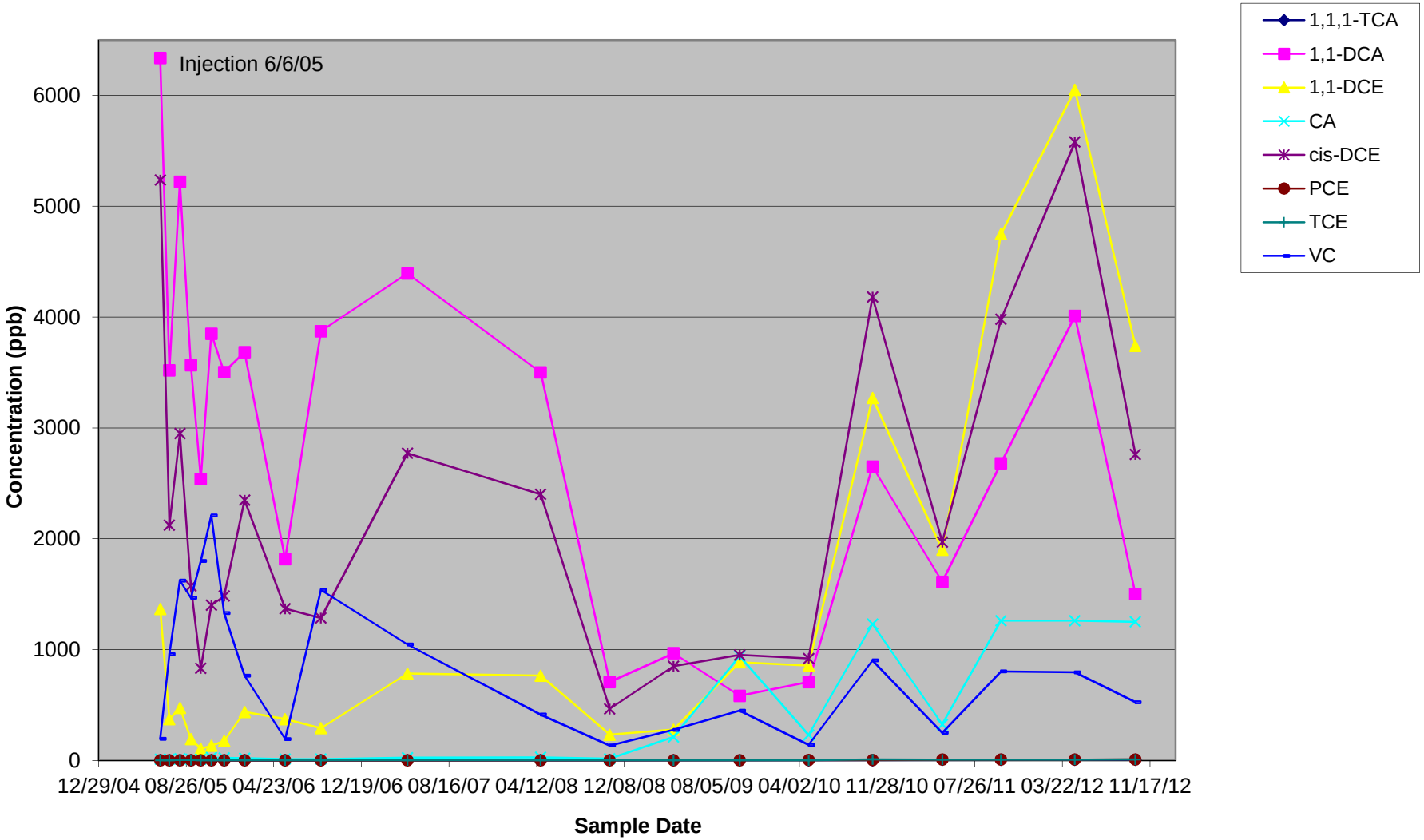
Appendix C-2
Unit B NW-AB-19



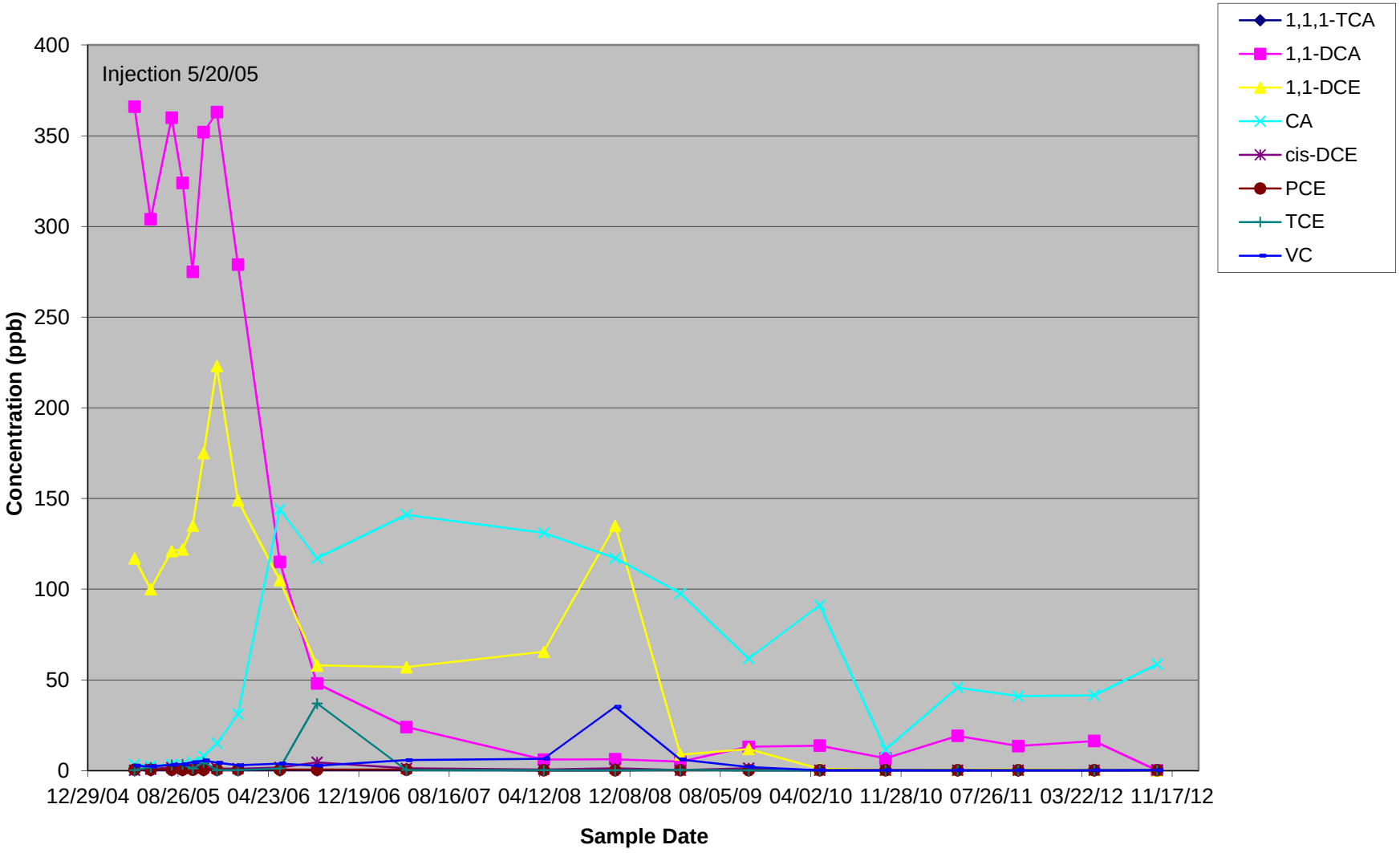
Appendix C-2
Unit B NW-E-9



Appendix C-2
Unit B NW-R-14



Appendix C-2
Unit B M-2



APPENDIX D

APPENDIX D-1

HISTORICAL LONG-TERM MONITORING RESULTS FOR UNIT A SAMPLING POINTS

Appendix D-1
Long Term Monitoring Results for LTM Well MW-211
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/24/2008	10/30/2008	4/21/2009	10/19/2009	4/26/2010	10/18/2010
Parameters	**Standard**	**Units**						
VOC								
1,1-Dichloroethane	6 (2M)	ug/l	1.4	7.7	.67 j	5.9	.42 j	1.7
1,1-Dichloroethene	7 (2M)	ug/l	1	7.6 j	< 0.54	5.1	< 0.29	< 0.29
cis-1,2-Dichloroethene	70 (2M)	ug/l	83	453	28.1	444	15.3	32
trans-1,2-Dichloroethene	100 (2M)	ug/l	1.5	17.9 j	.66 j	18.5	.47 j	.52 j
Ethylbenzene	600 (2M)	ug/l	< 0.2 uj	< 0.86	< 0.43	< 0.43	3	22.6
p-Isopropyltoluene	25 (IT)	ug/l	< 0.22 uj	< 0.64	< 0.32	< 0.32	< 0.21	.46 j
n-Propylbenzene	70 (2M)	ug/l	< 0.2 uj	< 0.5	< 0.25	< 0.25	< 0.2	3.4
Tetrachloroethene	0.7 (2M)	ug/l	< 0.25	< 0.44 uj	.43 j	< 0.22	< 0.44	6.6
Toluene	600 (2M)	ug/l	< 0.27 uj	< 0.7	< 0.35	< 0.35	3.1	.44 j
1,1,1-Trichloroethane	200 (2M)	ug/l	< 0.29	< 0.66 uj	< 0.33	< 0.33	< 0.22	1.1
Trichloroethene	3 (2M)	ug/l	2.5	1.1 j	1.8	2	1.4	20.1
Vinyl chloride	0.03 (2M)	ug/l	< 0.34	7.9 j	< 0.3	21.3	< 0.28	< 0.28

Appendix D-1
Long Term Monitoring Results for LTM Well MW-211
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/27/2011	10/5/2011	4/24/2012	10/8/2012		
Parameters	**Standard**	**Units**						
VOC								
1,1-Dichloroethane	6 (2M)	ug/l	.82 j	3.2	1.6	5.2		
1,1-Dichloroethene	7 (2M)	ug/l	< 0.23	< 0.23	< 0.23	2		
cis-1,2-Dichloroethene	70 (2M)	ug/l	12.3	3.6	13.8	170		
trans-1,2-Dichloroethene	100 (2M)	ug/l	.4 j	< 0.35	.53 j	10.1		
Ethylbenzene	600 (2M)	ug/l	.41 j	< 0.2	< 0.2	< 0.29		
p-Isopropyltoluene	25 (IT)	ug/l	< 0.21	< 0.21	< 0.21	< 0.2		
n-Propylbenzene	70 (2M)	ug/l	< 0.2	< 0.2	< 0.2	< 0.23		
Tetrachloroethene	0.7 (2M)	ug/l	1	5.7	1.3	< 0.32		
Toluene	600 (2M)	ug/l	< 0.2	< 0.2	< 0.2	< 0.2		
1,1,1-Trichloroethane	200 (2M)	ug/l	< 0.2	.6 j	< 0.2	< 0.2		
Trichloroethene	3 (2M)	ug/l	2.5	4	4	10.1		
Vinyl chloride	0.03 (2M)	ug/l	< 0.22	< 0.22	< 0.22	5.8		

Notes:
2M - NC 2L Groundwater Quality Standards established under 15A NCAC 2L .0200.
IT - Interim Maximum Allowable Concentrations (IMAC) established under 15A NCAC 2L 0202.
< - Not detected at the specified detection limit
µg/L - Micrograms per Liter
j - Estimated value
uj - Not detected and the limit is estimated
VOC - Volatile organic compounds

This table presents the results of all analytes detected.

NC Groundwater quality standards for the protection of the groundwater are specified in 15A NCAC 2L .0200. A bold border indicates the concentration is greater than the standard.

Appendix D-1
Long Term Monitoring Results for LTM Well MW-213
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/23/2008	10/30/2008	4/21/2009	10/19/2009	4/26/2010	10/18/2010
Parameters	**Standard**	**Units**						
VOC								
Benzene	1 (2M)	ug/l	.44 j	.6 j	< 0.8	< 0.8	.61 j	.7 j
Chloroethane	3000 (2M)	ug/l	4 j	2.4	3 j	2.2 j	< 1	< 0.51
1,1-Dichloroethane	6 (2M)	ug/l	116	94.4	74	85.3	80.2	89.1
1,2-Dichloroethane	0.4 (2M)	ug/l	3	3.8	2.1	2.9	2.8	< 2.8 u
1,1-Dichloroethene	7 (2M)	ug/l	177	135 j	130	151	144	119
cis-1,2-Dichloroethene	70 (2M)	ug/l	81.3	85.7	47.2	61.7	62.2	77.6
trans-1,2-Dichloroethene	100 (2M)	ug/l	1.2	2.5	1 j	2.5	1.8 j	2.2
Ethylbenzene	600 (2M)	ug/l	1.1 j	1.2	.96 j	.91 j	< 0.4	< 0.2
Naphthalene (VOA)	6 (2M)	ug/l	17.3 j	19.8	7.9 j	10.7	6.5 j	10.9
Tetrachloroethene	0.7 (2M)	ug/l	.58 j	< 0.22	< 0.44	< 0.44	< 0.88	< 0.44
Toluene	600 (2M)	ug/l	2 j	1.9	1.2 j	1.2 j	.68 j	.83 j
1,1,2-Trichloroethane	0.6 (IT)	ug/l	.32 j	.76 j	< 0.52	< 0.52	< 0.58	< 0.29
Trichloroethene	3 (2M)	ug/l	19.3	11.2	19.2	22.4	26.3	17.1
1,2,4-Trimethylbenzene	400 (2M)	ug/l	.33 j	.31 j	< 0.44	< 0.44	< 0.44	< 0.22
Vinyl chloride	0.03 (2M)	ug/l	99.2	64.6 j	75.6	71.6	74.6	83.8
Xylenes (Total)	500 (2M)	ug/l	1.66 j	2.9	.75 j	3.2 j	2.3 j	2.8 j

Appendix D-1
Long Term Monitoring Results for LTM Well MW-213
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/27/2011	10/5/2011	4/24/2012	10/8/2012		
Parameters	**Standard**	**Units**						
VOC								
Benzene	1 (2M)	ug/l	.57 j	.57 j	.68 j	.54 j		
Chloroethane	3000 (2M)	ug/l	< 1	1.5 j	.56 j	< 0.5		
1,1-Dichloroethane	6 (2M)	ug/l	75.5	80.3	84.7	74.9		
1,2-Dichloroethane	0.4 (2M)	ug/l	2.4	2.8	2.7	2.2		
1,1-Dichloroethene	7 (2M)	ug/l	124	133	124	93.8		
cis-1,2-Dichloroethene	70 (2M)	ug/l	49.1	67.2	63.2	55.8		
trans-1,2-Dichloroethene	100 (2M)	ug/l	1.5 j	2.8	2.3	1.8		
Ethylbenzene	600 (2M)	ug/l	< 0.4	< 0.2	< 0.2	< 0.29		
Naphthalene (VOA)	6 (2M)	ug/l	4.9 j	6.3	1.1 j	2.2 j		
Tetrachloroethene	0.7 (2M)	ug/l	< 0.5	< 0.25	< 0.25	< 0.32		
Toluene	600 (2M)	ug/l	< 0.6 u	.65 j	.25 j	.27 j		
1,1,2-Trichloroethane	0.6 (IT)	ug/l	< 0.44	< 0.22	< 0.22	< 0.2		
Trichloroethene	3 (2M)	ug/l	23.5	31.2	23	24.5		
1,2,4-Trimethylbenzene	400 (2M)	ug/l	< 0.54	< 0.27	< 0.27	< 0.2		
Vinyl chloride	0.03 (2M)	ug/l	53.5	93.2	73.1	74.6		
Xylenes (Total)	500 (2M)	ug/l	1.91 j	1.96 j	2.01	1.34 j		

Notes:
2M - NC 2L Groundwater Quality Standards established under 15A NCAC 2L .0200.
IT - Interim Maximum Allowable Concentrations (IMAC) established under 15A NCAC 2L 0202.
< - Not detected at the specified detection limit
µg/L - Micrograms per Liter
j - Estimated value
u - Not present above the associated level; blank contamination exists
VOA - Volatile organic analysis
VOC - Volatile organic compounds

This table presents the results of all analytes detected.

NC Groundwater quality standards for the protection of the groundwater are specified in 15A NCAC 2L .0200. A bold border indicates the concentration is greater than the standard.

Appendix D-1
Long Term Monitoring Results for LTM Well MW-219
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/24/2008	10/30/2008	4/21/2009	10/19/2009	4/26/2010	10/18/2010
Parameters	**Standard**	**Units**						
VOC								
1,1-Dichloroethane	6 (2M)	ug/l	2.3	2.9	2.2	1.8	1.7	1.5
1,1-Dichloroethene	7 (2M)	ug/l	.42 j	.8 j	.62 j	.7 j	.48 j	.48 j
cis-1,2-Dichloroethene	70 (2M)	ug/l	< 0.28	.26 j	.32 j	.35 j	.67 j	< 0.32

Appendix D-1
Long Term Monitoring Results for LTM Well MW-219
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/27/2011	10/5/2011	4/24/2012	10/8/2012		
Parameters	**Standard**	**Units**						
VOC								
1,1-Dichloroethane	6 (2M)	ug/l	1	1.4	1.3	.53 j		
1,1-Dichloroethene	7 (2M)	ug/l	.25 j	.37 j	< 0.23	< 0.2		
cis-1,2-Dichloroethene	70 (2M)	ug/l	.28 j	.35 j	< 0.26	< 0.24		

Notes:
2M - NC 2L Groundwater Quality Standards established under 15A NCAC 2L .0200.
< - Not detected at the specified detection limit
µg/L - Micrograms per Liter
j - Estimated value
VOC - Volatile organic compounds

This table presents the results of all analytes detected.

NC Groundwater quality standards for the protection of the groundwater are specified in 15A NCAC 2L .0200. A bold border indicates the concentration is greater than the standard.

Appendix D-1
Long Term Monitoring Results for LTM Well MW-229
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/24/2008	10/30/2008	4/21/2009	10/19/2009	4/26/2010	10/18/2010
Parameters	**Standard**	**Units**						
VOC								
Chloroethane	3000 (2M)	ug/l	17.3	5.6	18	8.2	58.3	< 6.6 u
1,1-Dichloroethane	6 (2M)	ug/l	24	23	50.2	17.4	155	73.7
1,2-Dichloroethane	0.4 (2M)	ug/l	< 0.2	.38 j	.89 j	< 0.34	4.2	< 0.66
1,1-Dichloroethene	7 (2M)	ug/l	71.2	31.9 j	39.1	20.1	53.9	43.7
cis-1,2-Dichloroethene	70 (2M)	ug/l	98.8	75.6	230	38.4	437	424
trans-1,2-Dichloroethene	100 (2M)	ug/l	2.5	1.4 j	4.8	1.5	12.1	3.1
Toluene	600 (2M)	ug/l	< 0.27 uj	< 0.35	< 0.35	< 0.35	.48 j	< 0.4
Trichloroethene	3 (2M)	ug/l	.48 j	.41 j	.64 j	< 0.32	1.3	< 0.48
Vinyl chloride	0.03 (2M)	ug/l	83.4	14 j	32.5	6.6	61.3	41
Other								
Ethane		mg/l	.00058 j	< 0.00032 uj	.0011	.0033	.0126	.0175
Ethene		mg/l	.0275 j	< 0.00043 uj	.0665	.0592	.214	.196
Methane		mg/l	1.44 j	< 0.00016 uj	3.96	1.81 j	5.49	5.12

Appendix D-1
Long Term Monitoring Results for LTM Well MW-229
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/27/2011	10/5/2011	4/24/2012	10/8/2012		
Parameters	**Standard**	**Units**						
VOC								
Chloroethane	3000 (2M)	ug/l	7.6 j	1.5 j	3.7	4.9		
1,1-Dichloroethane	6 (2M)	ug/l	118	22.7	208	32.1		
1,2-Dichloroethane	0.4 (2M)	ug/l	1.8 j	.42 j	2.7	< 0.22		
1,1-Dichloroethene	7 (2M)	ug/l	38.4	6.2	87.4	44.9		
cis-1,2-Dichloroethene	70 (2M)	ug/l	242	65.8	723	66.5		
trans-1,2-Dichloroethene	100 (2M)	ug/l	2.6 j	.5 j	5.5	1.6		
Toluene	600 (2M)	ug/l	< 1	.28 j	< 0.2	< 0.2		
Trichloroethene	3 (2M)	ug/l	< 1.3	< 0.26	< 0.26	< 0.31		
Vinyl chloride	0.03 (2M)	ug/l	39.6	4	54	46.6		
Other								
Ethane		mg/l	.0196	.0016	.0108	.0185		
Ethene		mg/l	.139	.0108	.0677	.0514		
Methane		mg/l	4.28 j	.458	1.4	3.25		

Notes:
2M - NC 2L Groundwater Quality Standards established under 15A NCAC 2L .0200.
< - Not detected at the specified detection limit
µg/L - Micrograms per Liter
mg/L - Milligrams per Liter
j - Estimated value
u - Not present above the associated level; blank contamination exists
uj - Not detected and the limit is estimated
VOC - Volatile organic compounds

This table presents the results of all analytes detected.

NC Groundwater quality standards for the protection of the groundwater are specified in 15A NCAC 2L .0200. A bold border indicates the concentration is greater than the standard.

Appendix D-1
Long Term Monitoring Results for LTM Well MW-ERH-2
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/24/2008	10/29/2008	4/22/2009	10/20/2009	4/27/2010	10/19/2010
Parameters	**Standard**	**Units**						
VOC								
Chloroethane	3000 (2M)	ug/l	< 23	< 96	< 240	< 96	< 100	< 100
1,1-Dichloroethane	6 (2M)	ug/l	2,030	2,330	1,840	1,410	1,530	1,610
1,1-Dichloroethene	7 (2M)	ug/l	16,700	15,800	11,300	8,640	8,530	7,910
cis-1,2-Dichloroethene	70 (2M)	ug/l	19,400	22,700 j	16,000	11,400	12,500	12,900
trans-1,2-Dichloroethene	100 (2M)	ug/l	68.3	< 90	< 230	< 90	95.8 j	112 j
Ethylbenzene	600 (2M)	ug/l	< 10 uj	< 86	< 220	< 86	< 40	< 40
Tetrachloroethene	0.7 (2M)	ug/l	< 13	< 44	177 j	< 44	< 88	< 88
Toluene	600 (2M)	ug/l	355 j	454	425 j	303	302	418
1,1,1-Trichloroethane	200 (2M)	ug/l	18.1 j	< 66	< 170	< 66	< 44	< 44
Trichloroethene	3 (2M)	ug/l	99.9	< 64	< 160	< 64	< 48	< 48
Vinyl chloride	0.03 (2M)	ug/l	1,910	2,060	3,200	3,200	4,770	4,970
SVOC								
2-Methylnaphthalene	30 (2M)	ug/l	< 3.8	< 7.8	< 20	< 19	< 9.7	< 3.8
3&4-Methylphenol (m&p-cresol)	40 (2M)	ug/l	433 j	619 j	537 j	391 j	665 j	431 j
Other								
Ethane		mg/l	.0011 j	.00315	.00557	.0144 j	.0138 j	.0151
Ethene		mg/l	.0332 j	.0752	.0953	.204 j	.2 j	.179
Methane		mg/l	1.7 j	3.52	2.62	3.35 j	5.12 j	4.07

Appendix D-1
Long Term Monitoring Results for LTM Well MW-ERH-2
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/28/2011	10/6/2011	4/25/2012	10/9/2012		
Parameters	**Standard**	**Units**						
VOC								
Chloroethane	3000 (2M)	ug/l	232 j	296	317	382		
1,1-Dichloroethane	6 (2M)	ug/l	1,500	1,250	1,160	890		
1,1-Dichloroethene	7 (2M)	ug/l	7,180	5,960	3,780	2,820		
cis-1,2-Dichloroethene	70 (2M)	ug/l	10,100	6,790	4,960	3,150		
trans-1,2-Dichloroethene	100 (2M)	ug/l	98.8 j	78.9 j	74.4 j	< 23		
Ethylbenzene	600 (2M)	ug/l	< 40	23.8 j	< 20	< 29		
Tetrachloroethene	0.7 (2M)	ug/l	< 50	< 25	< 25	< 32		
Toluene	600 (2M)	ug/l	411	438	406	450		
1,1,1-Trichloroethane	200 (2M)	ug/l	< 40	39.4 j	< 20	< 20		
Trichloroethene	3 (2M)	ug/l	< 52	< 26	< 26	< 31		
Vinyl chloride	0.03 (2M)	ug/l	5,170	4,540	4,090	5,100		
SVOC								
2-Methylnaphthalene	30 (2M)	ug/l	< 2.2	< 11	< 5.4	2.3 j		
3&4-Methylphenol (m&p-cresol)	40 (2M)	ug/l	542	548	447	12.8 j		
Other								
Ethane		mg/l	.0195	.0289	.0309	< 0.00032		
Ethene		mg/l	.266	.279	.373	< 0.00043		
Methane		mg/l	4.19	2.98	5.98	< 0.00016		

Notes:
2M - NC 2L Groundwater Quality Standards established under 15A NCAC 2L .0200.
< - Not detected at the specified detection limit
µg/L - Micrograms per Liter
mg/L - Milligrams per Liter
j - Estimated value
uj - Not detected and the limit is estimated
SVOC - Semivolatile organic compounds
VOC - Volatile organic compounds

This table presents the results of all analytes detected.

NC Groundwater quality standards for the protection of the groundwater are specified in 15A NCAC 2L .0200. A bold border indicates the concentration is greater than the standard.

Appendix D-1
Long Term Monitoring Results for LTM Well MW-GAW-2
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/24/2008	10/29/2008	4/22/2009	10/20/2009	4/27/2010	4/27/2010
Parameters	**Standard**	**Units**						DUP
VOC								
Benzene	1 (2M)	ug/l	1.7 j	2.6	1.4 j	2.2 j	1.4	1.3
Chloroethane	3000 (2M)	ug/l	15.2	12	17.2	16.5	16.7 j	14.7 j
1,1-Dichloroethane	6 (2M)	ug/l	173	95.2	112	127	94.4	96.1
1,2-Dichloroethane	0.4 (2M)	ug/l	1.8	1.4	1 j	< 1.7	.99 j	1
1,1-Dichloroethene	7 (2M)	ug/l	161	28.7	43.1	20.3	19.1	21
cis-1,2-Dichloroethene	70 (2M)	ug/l	62.9	12.9 j	19.8	9.3	11.1	10.7
trans-1,2-Dichloroethene	100 (2M)	ug/l	4.2	3	2.4	2.7 j	1.8	2
Ethylbenzene	600 (2M)	ug/l	26.5 j	9.4	< 0.86	< 2.2	2.2	1.3
p-Isopropyltoluene	25 (IT)	ug/l	< 0.22 uj	.59 j	< 0.64	< 1.6	< 0.21	< 0.21
Naphthalene (VOA)	6 (2M)	ug/l	66.7 j	41	19.6	< 5	1.3 j	1.4 j
n-Propylbenzene	70 (2M)	ug/l	7.2 j	6.4	1.3 j	< 1.3	2.4	1.8
Tetrachloroethene	0.7 (2M)	ug/l	11.7	1.3	1.6 j	< 1.1	.72 j	.74 j
Toluene	600 (2M)	ug/l	13.3 j	6.1	2.8	2.6 j	2.4	2
1,1,2-Trichloroethane	0.6 (IT)	ug/l	< 0.3	.34 j	< 0.52	< 1.3	< 0.29	< 0.29
Trichloroethene	3 (2M)	ug/l	3.6	.53 j	1.7 j	< 1.6	1.8	1.6
1,2,4-Trimethylbenzene	400 (2M)	ug/l	27 j	6	15.1	6.4 j	13.7	9.2
Vinyl chloride	0.03 (2M)	ug/l	640	105	174	125	92.5 j	91.9 j
Xylenes (Total)	500 (2M)	ug/l	22.7 j	8	5.4 j	8 j	3.55 j	3.22 j
SVOC								
2-Methylnaphthalene	30 (2M)	ug/l	7.6	13.5	1.1 j	4 j	< 0.95	

Appendix D-1
Long Term Monitoring Results for LTM Well MW-GAW-2
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		10/19/2010	10/19/2010	4/28/2011	4/28/2011	10/6/2011	10/6/2011
Parameters	**Standard**	**Units**		DUP		DUP		DUP
VOC								
Benzene	1 (2M)	ug/l	1.2	1.2	.9 j	.84 j	< 0.2	.21 j
Chloroethane	3000 (2M)	ug/l	< 10.6 u	< 11.4 u	12.9	11.7	2.2	2.9
1,1-Dichloroethane	6 (2M)	ug/l	81.4	79	69.1	67.4	11.4	13.7
1,2-Dichloroethane	0.4 (2M)	ug/l	< 0.77 u	< 0.68 u	.49 j	.57 j	< 0.2	< 0.2
1,1-Dichloroethene	7 (2M)	ug/l	12.4	13.4	9	8.6	.42 j	.44 j
cis-1,2-Dichloroethene	70 (2M)	ug/l	6.3	6.7	6.4	6.3	.37 j	.38 j
trans-1,2-Dichloroethene	100 (2M)	ug/l	1.6	1.6	1.2	1.3	< 0.35	< 0.35
Ethylbenzene	600 (2M)	ug/l	.59 j	.56 j	< 0.2	< 0.2	.56 j	.54 j
p-Isopropyltoluene	25 (IT)	ug/l	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21
Naphthalene (VOA)	6 (2M)	ug/l	2.5 j	2.3 j	1 j	< 1	< 1	< 1
n-Propylbenzene	70 (2M)	ug/l	< 0.2	.23 j	< 0.2	< 0.2	< 0.2	< 0.2
Tetrachloroethene	0.7 (2M)	ug/l	< 0.44	< 0.44	.66 j	.69 j	< 0.25	< 0.25
Toluene	600 (2M)	ug/l	1.4	1.3	< 0.75 u	< 0.71 u	.34 j	.34 j
1,1,2-Trichloroethane	0.6 (IT)	ug/l	< 0.29	< 0.29	< 0.22	< 0.22	< 0.22	< 0.22
Trichloroethene	3 (2M)	ug/l	1.2	1.2	1.1	1.1	.38 j	.41 j
1,2,4-Trimethylbenzene	400 (2M)	ug/l	1.6 j	1.5 j	.27 j	.28 j	< 0.27	< 0.27
Vinyl chloride	0.03 (2M)	ug/l	95.7	85.8	46.9	45.6	2.6	3
Xylenes (Total)	500 (2M)	ug/l	5.97 j	5.93 j	.95 j	.97 j	.38 j	.46 j
SVOC								
2-Methylnaphthalene	30 (2M)	ug/l	< 0.95		< 0.55		< 0.56	

Appendix D-1
Long Term Monitoring Results for LTM Well MW-GAW-2
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/25/2012	4/25/2012	10/9/2012	10/9/2012		
Parameters	**Standard**	**Units**		DUP		DUP		
VOC								
Benzene	1 (2M)	ug/l	.91 j	.91 j	.43 j	.48 j		
Chloroethane	3000 (2M)	ug/l	13.4	12.5	6.5	6.7		
1,1-Dichloroethane	6 (2M)	ug/l	81.8	78.3	34.3	39.2		
1,2-Dichloroethane	0.4 (2M)	ug/l	.57 j	.52 j	< 0.22	< 0.22		
1,1-Dichloroethene	7 (2M)	ug/l	25.4	21	4.8 j	7.8 j		
cis-1,2-Dichloroethene	70 (2M)	ug/l	14.4	12.9	3 j	4.7 j		
trans-1,2-Dichloroethene	100 (2M)	ug/l	.97 j	1.1	< 0.23	< 0.23		
Ethylbenzene	600 (2M)	ug/l	< 0.2	< 0.2	< 0.29	< 0.29		
p-Isopropyltoluene	25 (IT)	ug/l	.22 j	< 0.21	< 0.2	< 0.2		
Naphthalene (VOA)	6 (2M)	ug/l	< 1	< 1	1.8 j	1.1 j		
n-Propylbenzene	70 (2M)	ug/l	< 0.2	< 0.2	< 0.23	< 0.23		
Tetrachloroethene	0.7 (2M)	ug/l	< 0.25	< 0.25	< 0.32	< 0.32		
Toluene	600 (2M)	ug/l	.74 j	.75 j	.45 j	.48 j		
1,1,2-Trichloroethane	0.6 (IT)	ug/l	< 0.22	< 0.22	< 0.2	< 0.2		
Trichloroethene	3 (2M)	ug/l	3.1	2.8	1.1	1.4		
1,2,4-Trimethylbenzene	400 (2M)	ug/l	.52 j	.51 j	.77 j	.73 j		
Vinyl chloride	0.03 (2M)	ug/l	51.4	45.8	16.8 j	23.2 j		
Xylenes (Total)	500 (2M)	ug/l	1.5	1.5	1.3	1.6		
SVOC								
2-Methylnaphthalene	30 (2M)	ug/l	< 0.55		< 0.66			

Notes:
2M - NC 2L Groundwater Quality Standards established under 15A NCAC 2L .0200.
IT - Interim Maximum Allowable Concentrations (IMAC) established under 15A NCAC 2L 0202.
< - Not detected at the specified detection limit
µg/L - Micrograms per Liter
j - Estimated value
u - Not present above the associated level; blank contamination exists
uj - Not detected and the limit is estimated
SVOC - Semivolatile organic compounds
VOA - Volatile organic analysis
VOC - Volatile organic compounds

This table presents the results of all analytes detected. A blank cell indicates that the sample was not analyzed for the associated parameter.

NC Groundwater quality standards for the protection of the groundwater are specified in 15A NCAC 2L .0200. A bold border indicates the concentration is greater than the standard.

Appendix D-1
Long Term Monitoring Results for LTM Well NW-D-9
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/24/2008	10/30/2008	4/22/2009	10/20/2009	4/27/2010	10/19/2010
Parameters	**Standard**	**Units**						
VOC								
1,1-Dichloroethane	6 (2M)	ug/l	912	1,190	925	926 j	866 j	837 j
1,1-Dichloroethene	7 (2M)	ug/l	751	1,350	1,080	1,220 j	952 j	952 j
cis-1,2-Dichloroethene	70 (2M)	ug/l	110,000	31,100	115,000	89,400	92,500	113,000
trans-1,2-Dichloroethene	100 (2M)	ug/l	478	144 j	540	< 900	566 j	< 680
Tetrachloroethene	0.7 (2M)	ug/l	456	1,830	< 110	< 440	< 220 uj	< 880
1,1,1-Trichloroethane	200 (2M)	ug/l	< 58	191 j	< 170	< 660	< 110 uj	< 440
Trichloroethene	3 (2M)	ug/l	3,710	23,800	939	2,030	1,460 j	804 j
Vinyl chloride	0.03 (2M)	ug/l	4,140	1,640	4,710	4,270	6,580 j	13,400
Other								
Ethane		mg/l	.0228 j	.0403 j	.164	.0591 j	.0784 j	.0928
Ethene		mg/l	.122 j	.227 j	.618	.322 j	1.8 j	2.22
Methane		mg/l	1.5 j	3.62 j	13	7.86 j	9.01 j	9.38

Appendix D-1
Long Term Monitoring Results for LTM Well NW-D-9
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/28/2011	10/6/2011	4/25/2012	10/9/2012		
Parameters	**Standard**	**Units**						
VOC								
1,1-Dichloroethane	6 (2M)	ug/l	888 j	902 j	861 j	882		
1,1-Dichloroethene	7 (2M)	ug/l	1,140	1,280	1,020	1,090		
cis-1,2-Dichloroethene	70 (2M)	ug/l	96,200	91,400	93,100	91,900		
trans-1,2-Dichloroethene	100 (2M)	ug/l	547 j	533 j	533 j	527		
Tetrachloroethene	0.7 (2M)	ug/l	< 250	< 250	< 250	267		
1,1,1-Trichloroethane	200 (2M)	ug/l	< 200	< 200	< 200	< 20		
Trichloroethene	3 (2M)	ug/l	1,250	466 j	1,510	2,840		
Vinyl chloride	0.03 (2M)	ug/l	4,950	6,910	4,810	3,980		
Other								
Ethane		mg/l	.0859	.125	.107	.0612		
Ethene		mg/l	.534	1.3	.614 j	.289		
Methane		mg/l	3.5	6.68	9.62	7.85		

Notes:
2M - NC 2L Groundwater Quality Standards established under 15A NCAC 2L .0200.
< - Not detected at the specified detection limit
µg/L - Micrograms per Liter
mg/L - Milligrams per Liter
j - Estimated value
uj - Not detected and the limit is estimated
VOC - Volatile organic compounds

This table presents the results of all analytes detected.

NC Groundwater quality standards for the protection of the groundwater are specified in 15A NCAC 2L .0200. A bold border indicates the concentration is greater than the standard.

Appendix D-1
Long Term Monitoring Results for LTM Well NW-P-0
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/23/2008	10/29/2008	4/21/2009	10/19/2009	4/26/2010	10/18/2010
Parameters	**Standard**	**Units**						
VOC								
Benzene	1 (2M)	ug/l	.32 j	< 0.4	< 2	< 0.4 uj	.26 j	< 0.21
Chloroethane	3000 (2M)	ug/l	58.5 j	19.2	33.8	9.4 j	21.2	< 4.4 u
1,1-Dichloroethane	6 (2M)	ug/l	84.4	44.8	52.9	24 j	50.3	29.7
1,2-Dichloroethane	0.4 (2M)	ug/l	3	1.3	< 1.7	.98 j	1.8	< 1.1 u
1,1-Dichloroethene	7 (2M)	ug/l	37.2	17.3	19.2	3 j	14.5	5.8
cis-1,2-Dichloroethene	70 (2M)	ug/l	525	228 j	290	68.6 j	250	144
trans-1,2-Dichloroethene	100 (2M)	ug/l	13.2	5.2	7.5	1.8 j	6.9	2.3
p-Isopropyltoluene	25 (IT)	ug/l	< 0.22 uj	< 0.32	< 1.6	< 0.32 uj	< 0.21	3.2
Toluene	600 (2M)	ug/l	8.9 j	1.4	< 1.8	.38 j	.4 j	.25 j
1,2,4-Trimethylbenzene	400 (2M)	ug/l	< 0.2 uj	< 0.22	< 1.1	< 0.22 uj	< 0.22	< 0.22
Vinyl chloride	0.03 (2M)	ug/l	35.2	8.1	11.2	1.3 j	9.3	2.7
Xylenes (Total)	500 (2M)	ug/l	< 0.56 uj	< 1.15	< 5.8	< 1.15 uj	.41 j	< 0.54

Appendix D-1
Long Term Monitoring Results for LTM Well NW-P-0
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/27/2011	10/5/2011	4/24/2012	10/8/2012		
Parameters	**Standard**	**Units**						
VOC								
Benzene	1 (2M)	ug/l	< 0.2	< 0.2	< 0.2	< 0.21		
Chloroethane	3000 (2M)	ug/l	10	7.2	7.8	18.9		
1,1-Dichloroethane	6 (2M)	ug/l	22	7.7	15.2	12.6		
1,2-Dichloroethane	0.4 (2M)	ug/l	.98 j	.49 j	.87 j	< 0.22		
1,1-Dichloroethene	7 (2M)	ug/l	6	1.1	2.6	2.6		
cis-1,2-Dichloroethene	70 (2M)	ug/l	88.3	46.9	91.3	62.5		
trans-1,2-Dichloroethene	100 (2M)	ug/l	3.4	1.6	2.5	3.7		
p-Isopropyltoluene	25 (IT)	ug/l	1.7	4	< 0.21	< 0.2		
Toluene	600 (2M)	ug/l	9.1	65	.39 j	.33 j		
1,2,4-Trimethylbenzene	400 (2M)	ug/l	< 0.27	< 0.27	< 0.27	.2 j		
Vinyl chloride	0.03 (2M)	ug/l	4	1.1	2.1	5.6		
Xylenes (Total)	500 (2M)	ug/l	< 0.52	< 0.52	< 0.52	< 0.5		

Notes:
2M - NC 2L Groundwater Quality Standards established under 15A NCAC 2L .0200.
IT - Interim Maximum Allowable Concentrations (IMAC) established under 15A NCAC 2L 0202.
< - Not detected at the specified detection limit
µg/L - Micrograms per Liter
j - Estimated value
u - Not present above the associated level; blank contamination exists
uj - Not detected and the limit is estimated
VOC - Volatile organic compounds

This table presents the results of all analytes detected.

NC Groundwater quality standards for the protection of the groundwater are specified in 15A NCAC 2L .0200. A bold border indicates the concentration is greater than the standard.

Appendix D-1
Long Term Monitoring Results for Supplemental Well NW-F-2
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/23/2008	10/30/2008	4/21/2009	10/19/2009	4/26/2010	10/18/2010
Parameters	**Standard**	**Units**						
VOC								
1,1-Dichloroethane	6 (2M)	ug/l	4.6	5	1.9	4.8	4	5
1,1-Dichloroethene	7 (2M)	ug/l	9.1	7.4	3.4	6.4	3	6.4
Vinyl chloride	0.03 (2M)	ug/l	.37 j	< 0.3	< 0.3	< 0.3	< 0.28	< 0.28

Appendix D-1
Long Term Monitoring Results for Supplemental Well NW-F-2
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/27/2011	10/5/2011	4/24/2012	10/8/2012		
Parameters	**Standard**	**Units**						
VOC								
1,1-Dichloroethane	6 (2M)	ug/l	2.7	1.9	1.8	2.6		
1,1-Dichloroethene	7 (2M)	ug/l	2.7	1.9	1.4	3.5		
Vinyl chloride	0.03 (2M)	ug/l	< 0.22	< 0.22	< 0.22	< 0.44		

Notes:
2M - NC 2L Groundwater Quality Standards established under 15A NCAC 2L .0200.
< - Not detected at the specified detection limit
µg/L - Micrograms per Liter
j - Estimated value
VOC - Volatile organic compounds

This table presents the results of all analytes detected.

NC Groundwater quality standards for the protection of the groundwater are specified in 15A NCAC 2L .0200. A bold border indicates the concentration is greater than the standard.

Appendix D-1
Long Term Monitoring Results for Supplemental Well NW-G-12
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/24/2008	10/30/2008	4/22/2009	10/20/2009	4/27/2010	10/19/2010
Parameters	**Standard**	**Units**						
VOC								
Benzene	1 (2M)	ug/l	33.7 j	37 j	40.7 j	30.8 j	29.4	28.4
Chloroethane	3000 (2M)	ug/l	1,580	834	1,140	823	518 j	580
1,1-Dichloroethane	6 (2M)	ug/l	3,110	3,570	2,390	1,770	1,100	1,010
1,2-Dichloroethane	0.4 (2M)	ug/l	80.6	104	70.3	66.8	41.3	44.2
1,1-Dichloroethene	7 (2M)	ug/l	4,630	4,410	3,300	2,130	1,690	1,050
cis-1,2-Dichloroethene	70 (2M)	ug/l	4,640	5,950	3,970	3,200	1,960	1,620
trans-1,2-Dichloroethene	100 (2M)	ug/l	115	155	144	91.8	77.1	71.9
Ethylbenzene	600 (2M)	ug/l	62.8 j	46.6 j	90.2	33.6 j	63.1	43.8
Naphthalene (VOA)	6 (2M)	ug/l	44.5 j	< 50	64.6 j	< 50	63.5 j	47.3 j
n-Propylbenzene	70 (2M)	ug/l	< 2 uj	< 13	19.4 j	< 13	16 j	9.9 j
Toluene	600 (2M)	ug/l	126 j	99.2	138	59.7	70.9	59.9
1,1,2-Trichloroethane	0.6 (IT)	ug/l	< 3	17.1 j	< 13	< 13	< 5.8	< 5.8
Trichloroethene	3 (2M)	ug/l	9.6 j	< 16	< 16	< 16	< 4.8	< 4.8
1,2,4-Trimethylbenzene	400 (2M)	ug/l	98.8 j	30.5 j	110	33.3 j	91.7	62.3
Vinyl chloride	0.03 (2M)	ug/l	3,100	2,120	1,750	973	1,030	1,100
Xylenes (Total)	500 (2M)	ug/l	294 j	158.5	383	132 j	193.4	166.8

Appendix D-1
Long Term Monitoring Results for Supplemental Well NW-G-12
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/28/2011	10/6/2011	4/25/2012	10/9/2012		
Parameters	**Standard**	**Units**						
VOC								
Benzene	1 (2M)	ug/l	25.7	14.4	15	20.6		
Chloroethane	3000 (2M)	ug/l	442	250	139	417 j		
1,1-Dichloroethane	6 (2M)	ug/l	977	575	285	358		
1,2-Dichloroethane	0.4 (2M)	ug/l	45	35.2	22.2	21.6		
1,1-Dichloroethene	7 (2M)	ug/l	829	400	115	355		
cis-1,2-Dichloroethene	70 (2M)	ug/l	1,340	711	374	448 j		
trans-1,2-Dichloroethene	100 (2M)	ug/l	58.1	41.6	26.7	44.3		
Ethylbenzene	600 (2M)	ug/l	25.5	29.7	9.8	17		
Naphthalene (VOA)	6 (2M)	ug/l	40.4 j	44.8 j	34.1	54.2		
n-Propylbenzene	70 (2M)	ug/l	7.9 j	6.5 j	3.8 j	5.4		
Toluene	600 (2M)	ug/l	34	29.4	10.3	14.8		
1,1,2-Trichloroethane	0.6 (IT)	ug/l	< 4.4	2.3 j	< 1.1	< 1		
Trichloroethene	3 (2M)	ug/l	< 5.2	3.7 j	3.1 j	< 1.6		
1,2,4-Trimethylbenzene	400 (2M)	ug/l	39.4 j	36.5	26.6	55.7		
Vinyl chloride	0.03 (2M)	ug/l	794	507	151	554		
Xylenes (Total)	500 (2M)	ug/l	50.3 j	42.1 j	13.7	46		

Notes:
2M - NC 2L Groundwater Quality Standards established under 15A NCAC 2L .0200.
IT - Interim Maximum Allowable Concentrations (IMAC) established under 15A NCAC 2L 0202.
< - Not detected at the specified detection limit
µg/L - Micrograms per Liter
j - Estimated value
uj - Not detected and the limit is estimated
VOA - Volatile organic analysis
VOC - Volatile organic compounds

This table presents the results of all analytes detected.

NC Groundwater quality standards for the protection of the groundwater are specified in 15A NCAC 2L .0200. A bold border indicates the concentration is greater than the standard.

Appendix D-1
Long Term Monitoring Results for Supplemental Well NW-K-6
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/23/2008	10/30/2008	4/21/2009	10/19/2009	4/26/2010	10/18/2010
Parameters	**Standard**	**Units**						
VOC								
Benzene	1 (2M)	ug/l	.67 j	< 40	< 80	< 80	< 21	< 4.2
Carbon disulfide	700 (2M)	ug/l	2.3 j					
Chloroethane	3000 (2M)	ug/l	31.2 j	105 j	< 96	270 j	1,180	658
Chloroform	70 (2M)	ug/l	1.8	< 28	< 56	< 56	40.3 j	6.7 j
1,1-Dichloroethane	6 (2M)	ug/l	6,080 j	7,890	3,440	3,830	2,270	4,770
1,2-Dichloroethane	0.4 (2M)	ug/l	60.7	137	< 68	< 68	59.3 j	119
1,1-Dichloroethene	7 (2M)	ug/l	5,710 j	8,700	4,570	5,150	2,200	5,030
cis-1,2-Dichloroethene	70 (2M)	ug/l	14,100 j	12,100	7,260	9,370	4,550	8,370
trans-1,2-Dichloroethene	100 (2M)	ug/l	32.1	50.6 j	< 90	< 90	< 34	< 6.8
Ethylbenzene	600 (2M)	ug/l	1.1 j	< 43	< 86	< 86	< 20	6.7 j
Toluene	600 (2M)	ug/l	24.2 j	68 j	< 70	80.1 j	30 j	67.6
1,1,1-Trichloroethane	200 (2M)	ug/l	1,390	3,990	1,660	3,210	1,250	4,660
1,1,2-Trichloroethane	0.6 (IT)	ug/l	8.1	< 26	< 52	< 52	< 29	< 5.8
Trichloroethene	3 (2M)	ug/l	60.7	491	113 j	289	262	560
1,2,4-Trimethylbenzene	400 (2M)	ug/l	.39 j	< 22	< 44	< 44	< 22	< 4.4
Vinyl chloride	0.03 (2M)	ug/l	437	680	411	468	343	505
Xylenes (Total)	500 (2M)	ug/l	4.6 j	< 115	< 234	< 234	< 54	23.8 j

Appendix D-1
Long Term Monitoring Results for Supplemental Well NW-K-6
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/27/2011	10/5/2011	4/24/2012	10/8/2012		
Parameters	**Standard**	**Units**						
VOC								
Benzene	1 (2M)	ug/l	< 10	< 10	< 10	< 11		
Carbon disulfide	700 (2M)	ug/l						
Chloroethane	3000 (2M)	ug/l	779	737	838	839		
Chloroform	70 (2M)	ug/l	< 11	< 11	< 11	< 13		
1,1-Dichloroethane	6 (2M)	ug/l	1,760	4,190	1,930	3,730		
1,2-Dichloroethane	0.4 (2M)	ug/l	38.7 j	72.6	42.2 j	70.6		
1,1-Dichloroethene	7 (2M)	ug/l	1,510	4,340	1,630	3,130		
cis-1,2-Dichloroethene	70 (2M)	ug/l	3,030	7,620	3,750	6,380		
trans-1,2-Dichloroethene	100 (2M)	ug/l	23.3 j	33.7 j	22.9 j	< 11		
Ethylbenzene	600 (2M)	ug/l	< 10	< 10	< 10	< 15		
Toluene	600 (2M)	ug/l	< 24.2 u	72.7	33.7 j	51.2		
1,1,1-Trichloroethane	200 (2M)	ug/l	831	4,690	1,470	3,420		
1,1,2-Trichloroethane	0.6 (IT)	ug/l	< 11	11.4 j	< 11	< 10		
Trichloroethene	3 (2M)	ug/l	154	1,200	210	654		
1,2,4-Trimethylbenzene	400 (2M)	ug/l	< 14	< 14	< 14	< 10		
Vinyl chloride	0.03 (2M)	ug/l	198	517	225	369		
Xylenes (Total)	500 (2M)	ug/l	< 26	84.8 j	< 26	< 25		

Notes:
2M - NC 2L Groundwater Quality Standards established under 15A NCAC 2L .0200.
IT - Interim Maximum Allowable Concentrations (IMAC) established under 15A NCAC 2L 0202.
< - Not detected at the specified detection limit
µg/L - Micrograms per Liter
j - Estimated value
u - Not present above the associated level; blank contamination exists
VOC - Volatile organic compounds

This table presents the results of all analytes detected. A blank cell indicates that the sample was not analyzed for the associated parameter.

NC Groundwater quality standards for the protection of the groundwater are specified in 15A NCAC 2L .0200. A bold border indicates the concentration is greater than the standard.

APPENDIX D-2

HISTORICAL LONG-TERM MONITORING RESULTS FOR UNIT B SAMPLING POINTS

Appendix D-2
Long Term Monitoring Results for LTM Well MW-209
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/23/2008	10/30/2008	4/21/2009	10/19/2009	4/26/2010	10/18/2010
Parameters	**Standard**	**Units**						
VOC								
Chloroethane	3000 (2M)	ug/l	86.3	12.4	1,730 j	79	2,030 j	< 10
1,1-Dichloroethane	6 (2M)	ug/l	243	157	136	169	282	15,000
1,2-Dichloroethane	0.4 (2M)	ug/l	8	3.1	45.6	4.6	52.3	380
1,1-Dichloroethene	7 (2M)	ug/l	30.5	40.4	23.3	31.2	35.6	1,230
cis-1,2-Dichloroethene	70 (2M)	ug/l	59.3	90.1	52.6	75.2	102	1,730
trans-1,2-Dichloroethene	100 (2M)	ug/l	1	.46 j	4.4	.65 j	6.3	< 6.8
Toluene	600 (2M)	ug/l	2 j	< 0.35	12.2	.96 j	13.9	114
1,1,1-Trichloroethane	200 (2M)	ug/l	< 0.29	< 0.33	< 0.66	2.2	< 0.44	1,070
1,1,2-Trichloroethane	0.6 (IT)	ug/l	< 0.3	< 0.26	< 0.52	< 0.26	< 0.58	27.7
Trichloroethene	3 (2M)	ug/l	< 0.38	< 0.32	< 0.64	.63 j	< 0.48	181
Vinyl chloride	0.03 (2M)	ug/l	8.6	11.7	21	18.3	50.3	486

Appendix D-2
Long Term Monitoring Results for LTM Well MW-209
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/27/2011	10/5/2011	4/24/2012	10/8/2012		
Parameters	**Standard**	**Units**						
VOC								
Chloroethane	3000 (2M)	ug/l	1,020	3,760	1,340	898		
1,1-Dichloroethane	6 (2M)	ug/l	173	14,800	106	82.7		
1,2-Dichloroethane	0.4 (2M)	ug/l	40.8	320	38	22		
1,1-Dichloroethene	7 (2M)	ug/l	24.8	1,100	10.6	11.6		
cis-1,2-Dichloroethene	70 (2M)	ug/l	52.5	1,620	30.7	27.8		
trans-1,2-Dichloroethene	100 (2M)	ug/l	5 j	38.1	5	1.9 j		
Toluene	600 (2M)	ug/l	< 12.5 u	112	10.8	3.7		
1,1,1-Trichloroethane	200 (2M)	ug/l	< 2	684	< 0.4	< 0.4		
1,1,2-Trichloroethane	0.6 (IT)	ug/l	< 2.2	23.1	< 0.44	< 0.4		
Trichloroethene	3 (2M)	ug/l	< 2.6	89.2	< 0.52	< 0.63		
Vinyl chloride	0.03 (2M)	ug/l	31.6	576	20.2	20.2		

Notes:
2M - NC 2L Groundwater Quality Standards established under 15A NCAC 2L .0200.
IT - Interim Maximum Allowable Concentrations (IMAC) established under 15A NCAC 2L 0202.
< - Not detected at the specified detection limit
µg/L - Micrograms per Liter
j - Estimated value
u - Not present above the associated level; blank contamination exists
VOC - Volatile organic compounds

This table presents the results of all analytes detected.

NC Groundwater quality standards for the protection of the groundwater are specified in 15A NCAC 2L .0200. A bold border indicates the concentration is greater than the standard.

Appendix D-2
Long Term Monitoring Results for LTM Well MW-227
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/24/2008	10/29/2008	4/22/2009	10/20/2009	4/27/2010	10/19/2010
Parameters	**Standard**	**Units**						
VOC								
Benzene	1 (2M)	ug/l	< 0.2 uj	7.7	4.7	5.7	4.8	5.9
Chloroethane	3000 (2M)	ug/l	5.6	22.8	8.2	43.3	52.5 j	< 53.1 u
1,1-Dichloroethane	6 (2M)	ug/l	6.1	3.5	< 0.24	.29 j	.38 j	.37 j
1,2-Dichloroethane	0.4 (2M)	ug/l	< 0.2	.57 j	< 0.34	.55 j	.59 j	< 0.76 u
1,1-Dichloroethene	7 (2M)	ug/l	1.1	1.6	< 0.54	< 0.54	< 0.29	< 0.29
cis-1,2-Dichloroethene	70 (2M)	ug/l	< 0.28	1.3 j	.3 j	< 0.2	< 0.32	< 0.32
trans-1,2-Dichloroethene	100 (2M)	ug/l	< 0.2	< 0.45	< 0.45	.53 j	.73 j	.75 j
Ethylbenzene	600 (2M)	ug/l	< 0.2 uj	1.6	1.1	4	7.5	9
Naphthalene (VOA)	6 (2M)	ug/l	< 0.44 uj	2.7 j	< 1	2.7 j	5.9	6.2
n-Propylbenzene	70 (2M)	ug/l	< 0.2 uj	.28 j	< 0.25	.28 j	.46 j	.48 j
Toluene	600 (2M)	ug/l	1.1 j	2.8	1.6	2.4	2.2	2
Trichloroethene	3 (2M)	ug/l	< 0.38	.46 j	< 0.32	< 0.32	< 0.24	< 0.24
1,2,4-Trimethylbenzene	400 (2M)	ug/l	< 0.2 uj	.93 j	.65 j	.73 j	2.4	2.6
Vinyl chloride	0.03 (2M)	ug/l	< 0.34	< 0.3	< 0.3	.51 j	< 0.28	< 0.28
Xylenes (Total)	500 (2M)	ug/l	< 0.56 uj	4.9	3.3	7.4	7.3 j	9.8
Other								
Ethane		mg/l	.0312 j	.0362	.00798	.022 j	.0233 j	.0278
Ethene		mg/l	< 0.00043 uj	< 0.00043	< 0.00043	< 0.00043 uj	.0019 j	< 0.00043
Methane		mg/l	5.18 j	10.4	8.4	8.44 j	12.9 j	14.9

Appendix D-2
Long Term Monitoring Results for LTM Well MW-227
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/28/2011	10/6/2011	4/25/2012	10/9/2012		
Parameters	**Standard**	**Units**						
VOC								
Benzene	1 (2M)	ug/l	5.1	3.3	4.1	3		
Chloroethane	3000 (2M)	ug/l	83	81.7	66.6	48		
1,1-Dichloroethane	6 (2M)	ug/l	1.5	2.7	.33 j	< 0.21		
1,2-Dichloroethane	0.4 (2M)	ug/l	1.1	1.1	.81 j	.49 j		
1,1-Dichloroethene	7 (2M)	ug/l	.3 j	.24 j	< 0.23	< 0.2		
cis-1,2-Dichloroethene	70 (2M)	ug/l	.44 j	< 0.26	< 0.26	< 0.24		
trans-1,2-Dichloroethene	100 (2M)	ug/l	1.7	1.6	1.1	.63 j		
Ethylbenzene	600 (2M)	ug/l	11.4	13	7.7	6.3		
Naphthalene (VOA)	6 (2M)	ug/l	12.3	28.4	7.6	10.2		
n-Propylbenzene	70 (2M)	ug/l	.95 j	1.9	1.2	.88 j		
Toluene	600 (2M)	ug/l	1.8	2.4	1.4	1.9		
Trichloroethene	3 (2M)	ug/l	< 0.26	< 0.26	< 0.26	< 0.31		
1,2,4-Trimethylbenzene	400 (2M)	ug/l	7.4	20.6	9.6	7.9		
Vinyl chloride	0.03 (2M)	ug/l	1	1.8	< 0.22	< 0.44		
Xylenes (Total)	500 (2M)	ug/l	4.6 j	7.2	3.27	3.8 j		
Other								
Ethane		mg/l	.0219	.0463	.03	< 0.00032		
Ethene		mg/l	< 0.00043	< 0.00043	.00058 j	< 0.00043		
Methane		mg/l	12.4	13.2	16.2	< 0.00016		

Notes:
2M - NC 2L Groundwater Quality Standards established under 15A NCAC 2L .0200.
< - Not detected at the specified detection limit
µg/L - Micrograms per Liter
mg/L - Milligrams per Liter
j - Estimated value
u - Not present above the associated level; blank contamination exists
uj - Not detected and the limit is estimated
VOA - Volatile organic analysis
VOC - Volatile organic compounds

This table presents the results of all analytes detected.

NC Groundwater quality standards for the protection of the groundwater are specified in 15A NCAC 2L .0200. A bold border indicates the concentration is greater than the standard.

Appendix D-2
Long Term Monitoring Results for LTM Well NW-AB-19
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/24/2008	10/29/2008	4/21/2009	10/19/2009	4/26/2010	10/18/2010
Parameters	**Standard**	**Units**						
VOC								
Chloroform	70 (2M)	ug/l	< 0.42	< 1.4	< 1.4	< 1.4	3.3 j	< 0.5
Chloroethane	3000 (2M)	ug/l	632	368	479	519	383	< 1
1,1-Dichloroethane	6 (2M)	ug/l	256	276	185	109	96.2	134
1,2-Dichloroethane	0.4 (2M)	ug/l	34.6	21.6	20.9	25.8	24	20.2
1,1-Dichloroethene	7 (2M)	ug/l	184	106	112	79	55.8	54.6
cis-1,2-Dichloroethene	70 (2M)	ug/l	847	467 j	462	432	388	234
trans-1,2-Dichloroethene	100 (2M)	ug/l	4.1	2.7 j	2.7 j	3.2 j	< 3.4	2.3
Toluene	600 (2M)	ug/l	11.4 j	4.6 j	8.2	8.8	7.7 j	5.7
Vinyl chloride	0.03 (2M)	ug/l	196	199	384	382	422	493
Other								
Ethane		mg/l	.00074 j	.00079 j	.0011	.00067 j	.00095 j	.0011
Ethene		mg/l	.0018 j	.0022	.0028	.0021	.00432	.00897
Methane		mg/l	10.2 j	11.5	14.1	11.1 j	16.4	16.7

Appendix D-2
Long Term Monitoring Results for LTM Well NW-AB-19
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/27/2011	10/5/2011	4/24/2012	10/8/2012		
Parameters	**Standard**	**Units**						
VOC								
Chloroform	70 (2M)	ug/l	< 1.1	< 1.1	< 1.1	< 1.3		
Chloroethane	3000 (2M)	ug/l	177	215	183	275		
1,1-Dichloroethane	6 (2M)	ug/l	81.6	68.6	70.4	54.1		
1,2-Dichloroethane	0.4 (2M)	ug/l	14.9	12.4	12	18.8		
1,1-Dichloroethene	7 (2M)	ug/l	17.7	9.5	8.4	7.1		
cis-1,2-Dichloroethene	70 (2M)	ug/l	132	77.9	65.7	44.2		
trans-1,2-Dichloroethene	100 (2M)	ug/l	1.9 j	< 1.8	< 1.8	< 1.1		
Toluene	600 (2M)	ug/l	< 6 u	5.2	4.8 j	5.8		
Vinyl chloride	0.03 (2M)	ug/l	271	337	255	181		
Other								
Ethane		mg/l	.00098 j	.0011	.00586	.0114		
Ethene		mg/l	.0289	.033	.0297	.0272		
Methane		mg/l	13.3	13.6	13.4	14.4		

Notes:
2M - NC 2L Groundwater Quality Standards established under 15A NCAC 2L .0200.
< - Not detected at the specified detection limit
µg/L - Micrograms per Liter
mg/L - Milligrams per Liter
j - Estimated value
u - Not present above the associated level; blank contamination exists
VOC - Volatile organic compounds

This table presents the results of all analytes detected.

NC Groundwater quality standards for the protection of the groundwater are specified in 15A NCAC 2L .0200. A bold border indicates the concentration is greater than the standard.

Appendix D-2
Long Term Monitoring Results for LTM Well NW-E-9
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/24/2008	10/30/2008	4/22/2009	10/20/2009	4/27/2010	10/19/2010
Parameters	**Standard**	**Units**						
VOC								
Chloroethane	3000 (2M)	ug/l	53.5	113	56.4	127	103 j	< 76.4 u
1,1-Dichloroethane	6 (2M)	ug/l	18.8	25.2 j	33.6	46.9	42.2	55.7
1,1-Dichloroethene	7 (2M)	ug/l	4.5 j	< 27 uj	< 11	< 11	< 1.5	< 0.29
cis-1,2-Dichloroethene	70 (2M)	ug/l	4,340	5,870	1,040	2,530	221	28.9
trans-1,2-Dichloroethene	100 (2M)	ug/l	84.1	111 j	91.4	105	67.1	87.9
Toluene	600 (2M)	ug/l	< 2.7 uj	< 18	< 7	< 7	< 1	.86 j
Vinyl chloride	0.03 (2M)	ug/l	1,820	1,830 j	1,090	1,280	351	96.7
Other								
Ethane		mg/l	.012 j	.0348 j	.0423	.0644 j	.182 j	.27
Ethene		mg/l	.62 j	.574 j	1.14	.804 j	1.18 j	1.36
Methane		mg/l	8.71 j	17.4 j	17.6	10.8 j	21.7 j	19.8 j

Appendix D-2
Long Term Monitoring Results for LTM Well NW-E-9
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/28/2011	10/6/2011	4/25/2012	10/9/2012		
Parameters	**Standard**	**Units**						
VOC								
Chloroethane	3000 (2M)	ug/l	89.4	73	71.3	57.8		
1,1-Dichloroethane	6 (2M)	ug/l	49.9	46.4	40.5	33.8		
1,1-Dichloroethene	7 (2M)	ug/l	< 0.23	< 0.23	< 0.23	< 0.2		
cis-1,2-Dichloroethene	70 (2M)	ug/l	1.1	3.3	1.3	< 0.24		
trans-1,2-Dichloroethene	100 (2M)	ug/l	62.1	63.9	49.9	58.2		
Toluene	600 (2M)	ug/l	< 0.67 u	.65 j	.59 j	.54 j		
Vinyl chloride	0.03 (2M)	ug/l	7.9	11.4	1.4	.77 j		
Other								
Ethane		mg/l	.711	.756	.601 j	.936		
Ethene		mg/l	.602	.759	.238 j	.704		
Methane		mg/l	11.8	16.1	11	14.9		

Notes:
2M - NC 2L Groundwater Quality Standards established under 15A NCAC 2L .0200.
< - Not detected at the specified detection limit
µg/L - Micrograms per Liter
mg/L - Milligrams per Liter
j - Estimated value
u - Not present above the associated level; blank contamination exists
uj - Not detected and the limit is estimated
VOC - Volatile organic compounds

This table presents the results of all analytes detected.

NC Groundwater quality standards for the protection of the groundwater are specified in 15A NCAC 2L .0200. A bold border indicates the concentration is greater than the standard.

Appendix D-2
Long Term Monitoring Results for LTM Well NW-R-14
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/23/2008	10/29/2008	4/22/2009	10/20/2009	4/27/2010	10/19/2010
Parameters	**Standard**	**Units**						
VOC								
Benzene	1 (2M)	ug/l	< 0.2 uj	< 2	< 4	< 4	< 2.1	< 2.1
Carbon disulfide	700 (2M)	ug/l	.66 j					
Chloroethane	3000 (2M)	ug/l	27.6 j	15.2	211	941	229 j	1,230
1,1-Dichloroethane	6 (2M)	ug/l	3,500 j	707	966	582	707	2,650
1,2-Dichloroethane	0.4 (2M)	ug/l	122	24.6	45.1	39.9	32.5	141
1,1-Dichloroethene	7 (2M)	ug/l	764	232	278	885	856	3,270
cis-1,2-Dichloroethene	70 (2M)	ug/l	2,400 j	465 j	850	951	919	4,180
trans-1,2-Dichloroethene	100 (2M)	ug/l	15.4	3.6 j	7.1 j	12.3	6.7 j	< 3.4
Ethylbenzene	600 (2M)	ug/l	.36 j	< 2.2	< 4.3	< 4.3	< 2	< 2
Toluene	600 (2M)	ug/l	57.6 j	11.2	22.6	26.8	21.2	122
1,1,2-Trichloroethane	0.6 (IT)	ug/l	3.8	< 1.3	< 2.6	< 2.6	< 2.9	< 2.9
Trichloroethene	3 (2M)	ug/l	.98 j	< 1.6	< 3.2	< 3.2	< 2.4	9.3 j
1,2,4-Trimethylbenzene	400 (2M)	ug/l	< 0.2 uj	< 1.1	< 2.2	< 2.2	< 2.2	< 2.2
Vinyl chloride	0.03 (2M)	ug/l	413	134	276	448	140	901
Xylenes (Total)	500 (2M)	ug/l	1.19 j	< 5.8	< 11.5	< 11.5	< 5.4	< 5.4
Other								
Ethane		mg/l			.00329			
Ethene		mg/l			.09			
Methane		mg/l			10.8 j			

Appendix D-2
Long Term Monitoring Results for LTM Well NW-R-14
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/28/2011	10/6/2011	4/25/2012	10/9/2012		
Parameters	**Standard**	**Units**						
VOC								
Benzene	1 (2M)	ug/l	< 10	< 10	< 10	18.4 j		
Carbon disulfide	700 (2M)	ug/l						
Chloroethane	3000 (2M)	ug/l	324	1,260	1,260	1,250		
1,1-Dichloroethane	6 (2M)	ug/l	1,610	2,680	4,010	1,500		
1,2-Dichloroethane	0.4 (2M)	ug/l	65.4	153	179	74.2		
1,1-Dichloroethene	7 (2M)	ug/l	1,900	4,750	6,050	3,740		
cis-1,2-Dichloroethene	70 (2M)	ug/l	1,970	3,980	5,580	2,760		
trans-1,2-Dichloroethene	100 (2M)	ug/l	< 18	31.7 j	36.8 j	< 11		
Ethylbenzene	600 (2M)	ug/l	< 10	< 10	< 10	< 15		
Toluene	600 (2M)	ug/l	< 74.1 u	189	232	143		
1,1,2-Trichloroethane	0.6 (IT)	ug/l	< 11	< 11	< 11	< 10		
Trichloroethene	3 (2M)	ug/l	< 13	< 13	< 13	< 16		
1,2,4-Trimethylbenzene	400 (2M)	ug/l	< 14	< 14	< 14	13 j		
Vinyl chloride	0.03 (2M)	ug/l	249	802	794	524		
Xylenes (Total)	500 (2M)	ug/l	< 26	< 26	< 26	122.9 j		
Other								
Ethane		mg/l						
Ethene		mg/l						
Methane		mg/l						

Notes:
2M - NC 2L Groundwater Quality Standards established under 15A NCAC 2L .0200.
IT - Interim Maximum Allowable Concentrations (IMAC) established under 15A NCAC 2L 0202.
< - Not detected at the specified detection limit
µg/L - Micrograms per Liter
mg/L - Milligrams per Liter
j - Estimated value
u - Not present above the associated level; blank contamination exists
uj - Not detected and the limit is estimated
VOC - Volatile organic compounds

This table presents the results of all analytes detected. A blank cell indicates that the sample was not analyzed for the associated parameter.

NC Groundwater quality standards for the protection of the groundwater are specified in 15A NCAC 2L .0200. A bold border indicates the concentration is greater than the standard.

Appendix D-2
Long Term Monitoring Results for Supplemental Well M-2
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/23/2008	10/30/2008	4/21/2009	10/19/2009	4/26/2010	10/18/2010
Parameters	**Standard**	**Units**						
VOC								
Carbon disulfide	700 (2M)	ug/l	.61 j					
Chloroethane	3000 (2M)	ug/l	131	117	97.6	61.7	91.1	< 23.3 u
1,1-Dichloroethane	6 (2M)	ug/l	6	6.2	4.9	13.1	13.7	6.7
1,2-Dichloroethane	0.4 (2M)	ug/l	1	2.4	1.8 j	1.3	2.7	< 1.3 u
1,1-Dichloroethene	7 (2M)	ug/l	65.5	135 j	8.8	11.9	.92 j	.44 j
cis-1,2-Dichloroethene	70 (2M)	ug/l	.55 j	1.3	< 0.4	1.3	< 0.32	< 0.32
p-Isopropyltoluene	25 (IT)	ug/l	< 0.22 uj	< 0.32	< 0.64	< 0.32	< 0.21	< 0.21
Toluene	600 (2M)	ug/l	.67 j	.79 j	.71 j	.65 j	1.1	1.5
Vinyl chloride	0.03 (2M)	ug/l	6.5	35.2	6.1	2	< 0.28	< 0.28

Appendix D-2
Long Term Monitoring Results for Supplemental Well M-2
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/27/2011	10/5/2011	4/24/2012	10/8/2012		
Parameters	**Standard**	**Units**						
VOC								
Carbon disulfide	700 (2M)	ug/l						
Chloroethane	3000 (2M)	ug/l	45.7	41	41.5	58.6		
1,1-Dichloroethane	6 (2M)	ug/l	19.1	13.5	16.3	< 0.21		
1,2-Dichloroethane	0.4 (2M)	ug/l	2.7	2	2.4	2.4		
1,1-Dichloroethene	7 (2M)	ug/l	.53 j	.63 j	.4 j	< 0.2		
cis-1,2-Dichloroethene	70 (2M)	ug/l	< 0.26	< 0.26	< 0.26	< 0.24		
p-Isopropyltoluene	25 (IT)	ug/l	< 0.21	1.7	< 0.21	< 0.2		
Toluene	600 (2M)	ug/l	2.7	6.4	.97 j	.79 j		
Vinyl chloride	0.03 (2M)	ug/l	< 0.22	< 0.22	< 0.22	< 0.44		

Notes:
2M - NC 2L Groundwater Quality Standards established under 15A NCAC 2L .0200.
IT - Interim Maximum Allowable Concentrations (IMAC) established under 15A NCAC 2L 0202.
< - Not detected at the specified detection limit
µg/L - Micrograms per Liter
j - Estimated value
u - Not present above the associated level; blank contamination exists
uj - Not detected and the limit is estimated
VOC - Volatile organic compounds

This table presents the results of all analytes detected. A blank cell indicates that the sample was not analyzed for the associated parameter.

NC Groundwater quality standards for the protection of the groundwater are specified in 15A NCAC 2L .0200. A bold border indicates the concentration is greater than the standard.

APPENDIX D-3

HISTORICAL LONG-TERM MONITORING RESULTS FOR SURFACE WATER SAMPLING POINTS

Appendix D-3
Long Term Monitoring Results for Surface Water Sampling Point W-81
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/23/2008	4/21/2009	10/19/2009	4/26/2010	10/18/2010	4/27/2011
Parameters	**Standard**	**Units**						
VOC								
Chloroethane		ug/l	1.3 j	35.1	1 j	21	< 0.51	7.8
1,1-Dichloroethane	100 (H2)	ug/l	3.6	47	4.9	32.8	< 0.22	12.7
1,1-Dichloroethene	1500 (A3)	ug/l	.84 j	8.8	< 0.54	3.7	< 0.29	1.6
cis-1,2-Dichloroethene	720 (H2)	ug/l	28.5	340	< 0.2	142	1.3	46.2
trans-1,2-Dichloroethene	10000 (H2)	ug/l	.22 j	2.3 j	< 0.45	1.2	< 0.34	.45 j
Tetrachloroethene	3.3 (H2)	ug/l	.47 j	< 1.1	< 0.22	< 0.44	< 0.44	< 0.25
Toluene	11 (A3)	ug/l	< 0.27 uj	< 1.8	< 0.35	.77 j	< 0.2	< 0.2
1,1,1-Trichloroethane	2500 (A3)	ug/l	3.7	15	2.5	14	< 0.22	5.2
Trichloroethene	30 (H2)	ug/l	3.9	9.8	< 0.32	3.4	.59 j	2
1,2,4-Trimethylbenzene	390 (A4)	ug/l	.52 j	< 1.1	< 0.22	< 0.22	< 0.22	< 0.27
Vinyl chloride	2.4 (H2)	ug/l	1.9	70.4	< 0.3	7.8	< 0.28	9.3

Appendix D-3
Long Term Monitoring Results for Surface Water Sampling Point W-81
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		10/5/2011	4/24/2012	10/8/2012			
Parameters	**Standard**	**Units**						
VOC								
Chloroethane		ug/l	2.9	20.4	< 0.5			
1,1-Dichloroethane	100 (H2)	ug/l	.8 j	9.4	1.6			
1,1-Dichloroethene	1500 (A3)	ug/l	< 0.23	.72 j	< 0.2			
cis-1,2-Dichloroethene	720 (H2)	ug/l	4.3	47.3	.45 j			
trans-1,2-Dichloroethene	10000 (H2)	ug/l	< 0.35	.43 j	< 0.23			
Tetrachloroethene	3.3 (H2)	ug/l	< 0.25	< 0.25	< 0.32			
Toluene	11 (A3)	ug/l	< 0.2	.25 j	< 0.2			
1,1,1-Trichloroethane	2500 (A3)	ug/l	< 0.2	1.6	6.8			
Trichloroethene	30 (H2)	ug/l	.36 j	2.5	< 0.31			
1,2,4-Trimethylbenzene	390 (A4)	ug/l	< 0.27	< 0.27	< 0.2			
Vinyl chloride	2.4 (H2)	ug/l	.47 j	8.2	< 0.44			

Notes:
< - Not detected at the specified detection limit
A3 - Aquatic Life
A4 - Aquatic Life (Limited Data)
H2 - Human Health
µg/L - Micrograms per Liter
j - Estimated value
uj - Not detected and the limit is estimated
VOC - Volatile organic compounds

This table presents the results of all analytes detected.

The NC 2B water quality standards for the protection of Class C freshwater were obtained from the "EPA and NC Criteria" table (August 16, 2012) and communication with the NC DENR Division of Water Quality-Classification and Standards Unit on November 29, 2012 and December 3, 2012. A bold border indicates the concentration is greater than the standard.

Appendix D-3
Long Term Monitoring Results for Surface Water Sampling Point W-82
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		4/23/2008	4/21/2009	10/19/2009	4/26/2010	10/18/2010	4/27/2011
Parameters	**Standard**	**Units**						
VOC								
Chloroethane		ug/l	.98 j	101	< 0.48	79.9	< 9 u	4.4
1,1-Dichloroethane	100 (H2)	ug/l	1.5	149	20.8	107	.69 j	9.9
1,1-Dichloroethene	1500 (A3)	ug/l	.36 j	22.5	< 0.54	17.1	< 0.29	1.3
cis-1,2-Dichloroethene	720 (H2)	ug/l	6.8	913	< 0.2	430	< 0.32	29.3
trans-1,2-Dichloroethene	10000 (H2)	ug/l	< 0.2	< 4.5	< 0.45	3.2	< 0.34	< 0.35
Tetrachloroethene	3.3 (H2)	ug/l	< 0.25	2.3 j	< 0.22	1	< 0.44	< 0.25
Toluene	11 (A3)	ug/l	< 0.27 uj	< 3.5	< 0.35	.99 j	< 0.2	< 0.2
1,1,1-Trichloroethane	2500 (A3)	ug/l	1.3	71.2	94.8	85.9	< 0.22	5.2
Trichloroethene	30 (H2)	ug/l	.41 j	26.9	< 0.32	15	< 0.24	1.4
1,2,4-Trimethylbenzene	390 (A4)	ug/l	.32 j	< 2.2	< 0.22	< 0.22	< 0.22	< 0.27
Vinyl chloride	2.4 (H2)	ug/l	.68 j	141	< 0.3	21.5	< 0.28	4.7

Appendix D-3
Long Term Monitoring Results for Surface Water Sampling Point W-82
Hamilton Beach Brands, Inc., Washington, NC

	Sample collection date:		10/5/2011	4/24/2012	10/8/2012			
Parameters	**Standard**	**Units**						
VOC								
Chloroethane		ug/l	1.5 j	36.3	< 0.5			
1,1-Dichloroethane	100 (H2)	ug/l	.26 j	24.7	< 0.21			
1,1-Dichloroethene	1500 (A3)	ug/l	< 0.23	1.3	< 0.2			
cis-1,2-Dichloroethene	720 (H2)	ug/l	.31 j	65.5	< 0.24			
trans-1,2-Dichloroethene	10000 (H2)	ug/l	< 0.35	.92 j	< 0.23			
Tetrachloroethene	3.3 (H2)	ug/l	< 0.25	< 0.25	< 0.32			
Toluene	11 (A3)	ug/l	< 0.2	.34 j	< 0.2			
1,1,1-Trichloroethane	2500 (A3)	ug/l	< 0.2	1.9	< 0.2			
Trichloroethene	30 (H2)	ug/l	< 0.26	< 0.26	< 0.31			
1,2,4-Trimethylbenzene	390 (A4)	ug/l	< 0.27	< 0.27	1.5 j			
Vinyl chloride	2.4 (H2)	ug/l	< 0.22	16.7	< 0.44			

Notes:
< - Not detected at the specified detection limit
A3 - Aquatic Life
A4 - Aquatic Life (Limited Data)
H2 - Human Health
µg/L - Micrograms per Liter
j - Estimated value
uj - Not detected and the limit is estimated
u - Not present above the associated level; blank contamination exists
VOC - Volatile organic compounds

This table presents the results of all analytes detected.

The NC 2B water quality standards for the protection of Class C freshwater were obtained from the "EPA and NC Criteria" table (August 16, 2012) and communication with the NC DENR Division of Water Quality-Classification and Standards Unit on November 29, 2012 and December 3, 2012. A bold border indicates the concentration is greater than the standard.