SOLUTIA

Solutions for a better life.

Solutia Inc.
575 Maryville Centre Drive
St. Louis, Missouri 63141

P.O. Box 66760
St. Louis, Missouri 63166-6760
Tel 314-674-1000

July 11, 2008

Mr. Kenneth Bardo - LU-9J
U.S. EPA Region V
Corrective Action Section
Enforcement Compliance Branch
77 West Jackson Boulevard
Chicago, IL 60604-3507

Re: PCB Mobility and Migration Investigation
1st Quarter 2008 Data Report
Solutia Inc., W. G. Krummrich Plant, Sauget, IL

Dear Mr. Bardo:

Enclosed please find the PCB Mobility and Migration Investigation 1st Quarter 2008 Data Report for Solutia Inc.'s W. G. Krummrich Plant, Sauget, IL.

If you have any questions or comments regarding this report, please contact me at (314) 674-3312 or gmrina@solutia.com

Sincerely,

Gerald M. Rinaldi

Gerald M. Rinaldi
Manager, Remediation Services

Enclosure

cc: Distribution List

1ST QUARTER 2008
DATA REPORT

PCB MOBILITY AND MIGRATION INVESTIGATION

SOLUTIA INC.
W.G. KRUMMRICH FACILITY
SAUGET, ILLINOIS

Prepared for
Solutia Inc.
575 Maryville Centre Dr
St. Louis, Missouri 63141

July 2008

URS Corporation
1001 Highland Plaza Drive West, Suite 300
St. Louis, MO 63110
(314) 429-0100
Project # 21561996.00001

1.0 INTRODUCTION 1
2.0 FIELD PROCEDURES 1
3.0 LABORATORY PROCEDURES 3
4.0 QUALITY ASSURANCE 3
5.0 OBSERVATIONS 4
6.0 REFERENCES 6

List of Figures

Figure 1 Site Location Map
Figure 2 Former PCB Manufacturing Area Monitoring Well Locations
Figure 3 Potentiometric Surface Map – Shallow Hydrogeologic Unit
Figure 4 Potentiometric Surface Map – Middle Hydrogeologic Unit
Figure 5 Total PCBs, Total Chlorobenzenes, and Benzene Results – SHU Wells
Figure 6 Total PCBs, Total Chlorobenzenes, and Benzene Results – MHU Wells

List of Tables

Table 1 Monitoring Well Gauging Information
Table 2 Groundwater Analytical Detections

List of Appendices

Appendix A Groundwater Purging and Sampling Forms
Appendix B Chains-of-Custody
Appendix C Quality Assurance Report
Appendix D Groundwater Analytical Results (and Data Review Sheets)

1.0 INTRODUCTION

Solutia Inc. (Solutia) is conducting groundwater monitoring activities as outlined in the PCB Mobility and Migration Investigation Work Plan (Solutia, 2005). This report presents the results of the 1st Quarter 2008 (1Q08) sampling event as part of the Phase III Site Investigation. This is the eighth sampling event for the well network. The 2Q08 sampling event will be the last event conducted under the PCB Mobility and Migration Investigation Work Plan, starting with 3Q08 Solutia will start implementing the PCB Groundwater Quality Assessment Program. The site location map is presented in **Figure 1**.

The monitoring well network consists of eight monitoring wells as follows (**Figure 2**):

- Two wells are located in the source area, PMAMW04S and PSMW02, and are screened in the Shallow Hydrogeologic Unit (SHU) and Middle Hydrogeologic Unit (MHU), respectively.

- Three well clusters are located downgradient of the source area and outside of the 25 mg/kg total PCB isoconcentration line in soil, PMAMW01S/M, PMAMW02S/M and PMAMW03S/M. These clusters include wells screened in the SHU (designated with an "S") and MHU (designated with an "M").

Eight groundwater samples were obtained from the eight monitoring wells during the 1Q08 sampling event. The sample from well PSMW02 was collected as part of the Plume Stability Monitoring Program sampling event and the results are also included in this report. Laboratory data sheets and relevant field sampling information for this well are included in the 1Q08 Plume Stability Monitoring Program Data Report.

The field sampling activities were conducted in accordance with the procedures outlined in the PCB Mobility and Migration Investigation Work Plan including the collection of appropriate quality assurance and quality control (QA/QC) samples. The following section summarizes the field investigative procedures.

2.0 FIELD PROCEDURES

URS Corporation (URS) conducted the 1Q08 field activities on March 13th (groundwater level measurements) and March 26th through 31st, 2008 (groundwater sampling).

Groundwater Level Measurements- Static groundwater levels were measured and the presence of non-aqueous phase liquids was evaluated on March 13th, 2008 using an oil/water interface probe at the well locations. Well gauging information for the 1Q08 event is presented in **Table 1**. Monitoring well PMAMW04S had a measured DNAPL thickness of 0.10 feet. Groundwater potentiometric surface maps of the SHU and MHU are presented in **Figures 3** and **4,** respectively.

Groundwater Quality Sampling - Low-flow sampling techniques were used for groundwater sample collection. At each monitoring well, a submersible pump attached to polyethylene tubing was slowly lowered down the well and secured so that the pump intake was set near the middle or slightly above the middle of the screened interval. The other end of the polyethylene tubing was connected to a flow-

through cell which discharged into a 5-gallon plastic bucket. Pump flow rates were started at approximately 200 ml/min during purging. Water level measurements were initially recorded approximately every two minutes to assess whether significant drawdown was occurring. If significant drawdown occurred, the flow rates were scaled back. Drawdown was monitored to ensure that it did not exceed 25% of the distance between the pump intake and the top of the screen (approximately 0.62 ft). Once the flow rate and drawdown were stable, field measurements were collected approximately every three to five minutes. Field measurements are presented on the groundwater purging and sampling forms, in **Appendix A.** Groundwater was considered stable when the following criteria were met over a minimum of three successive flow-through cell volumes:

- pH - ± 0.2 units
- Specific Conductance - ± 3%
- Dissolved Oxygen (DO) - ± 10% or ± 2 mg/L whichever is greater
- Oxidation-Reduction Potential (ORP)- ± 20 mV

Once stabilization was achieved, samples were typically collected at a flow rate no higher than that at which stabilization was achieved and consistent with the work plan in the following order:

- Volatile Organic Compounds (VOCs)
- Semivolatile Organic Compounds (SVOCs)
- Polychlorinated biphenyls (PCBs), filtered and unfiltered (field filtered using a 0.45 micron filter)

Quality Assurance/Quality Control (QA/QC) samples consisting of analytical duplicates (AD) and equipment blanks (EB) were collected at a rate of 10% and matrix spike/matrix spike duplicates (MS/MSD) were collected at a rate of 5%, complying with the work plan. In addition, trip blanks (TB) accompanied each shipment containing samples for VOC analysis. All samples were submitted to TestAmerica facility in Savannah, Georgia for analysis.

The sample identification system for groundwater samples included the following nomenclature "PMAMW02S-0308" which denotes PCB Manufacturing Area monitoring well number 2S sampled in March 2008. QA/QC samples are identified by the suffix AD, EB or MS/MSD.

Field personnel recorded the project identification and number, sample description/location, required analysis, date and time of sample collection, type and matrix of sample, number of sample containers, analysis requested/comments, and sampler signature/date/time, with permanent ink on the chain-of-custody (COC). COC forms are included in **Appendix B**.

Samples were placed on ice inside a cooler immediately following sampling. Sample containers were packed in such a way as to help prevent breakage. Samples were shipped in coolers, each containing ice to maintain inside temperature at approximately 4°C. Sample coolers were sealed between the lid and sides of the cooler with a custody seal prior to shipment. The samples were shipped to the

TestAmerica facility in Savannah, Georgia by means of FedEx® Priority Overnight delivery service or DHL Express delivery service.

3.0 LABORATORY PROCEDURES

Samples were analyzed by TestAmerica for the 40 CFR 264 Appendix IX VOCs, SVOCs and PCBs using the following methodologies:

- VOCs, via Method 8260B
- SVOCs, via Method 8270C
- PCBs, via Method 680

Dichlorobenzenes were quantitated using Method 8260B because of potential volatilization losses associated with Method 8270C. Laboratory results were provided in electronic and hard copy formats.

4.0 QUALITY ASSURANCE

Analytical data were reviewed for quality and completeness as described in the PCB Mobility and Migration Investigation Work Plan. Data qualifiers were added, as appropriate, and are included on the data tables and the laboratory result pages. The Quality Assurance report is included as **Appendix C**. Laboratory result pages (i.e. Form 1's) along with data validation review sheets are included in **Appendix D**.

A total of 11 samples (seven investigative groundwater samples, one field duplicate, one MS/MSD pair, one equipment blank) were prepared and analyzed by TestAmerica for combinations of VOCs, SVOCs and PCBs. In addition, three trip blanks were included in the coolers that contained samples for VOC analysis and were analyzed for VOCs by USEPA SW-846 Method 8260B. The results for the various analyses were submitted as sample delivery group (SDG) KPM015.

Evaluation of the analytical data followed procedures outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (USEPA 1999) and the PCB Mobility and Migration Investigation Work Plan, (URS 2005). Based on the above mentioned criteria, results reported for the analyses performed were accepted for their intended use. Acceptable levels of accuracy and precision, based on MS/MSD, LCS, surrogate and field duplicate data were achieved for these SDGs to meet the project objectives. Completeness, which is defined to be the percentage of analytical results which are judged to be valid, including estimated (**J/UJ**) data, was 100 percent.

During the review of the preliminary analytical data from 1Q08 it was noticed that sample containers from monitoring wells PMAMW03S and PMAMW03M were apparently mislabeled during sampling. This observation was confirmed when the 1Q08 data were cross referenced with the previous seven quarters of data. In this report the sample results associated with sample PMAMW03S-0308 and the sample results associated with sample PMAMW03M-0308 have been reconciled to address this. Additional information can be found in **Appendix D.**

5.0 OBSERVATIONS

This section presents a brief summary of the groundwater analytical results from the 1Q08 sampling event. The following constituents were detected in groundwater samples for the 1Q08 event:

VOCs	SVOCs	PCBs
1,2-dichlorobenzene	pentachlorobenzene	dichlorobiphenyl
1,3-dichlorobenzene	p-chloroaniline	heptachlorobiphenyl
1,4-dichlorobenzene	phenol	hexachlorobiphenyl
benzene	1,2,4-trichlorobenzene	monochlorobiphenyl
chlorobenzene	3,4-dichloronitrobenzene	octachlorobiphenyl
ethylbenzene	1,2,4,5-tetrachlorobenzene	pentachlorobiphenyl
toluene	3-methylphenol/4-methylphenol (m&p-cresol)	tetrachlorobiphenyl
total xylenes	**Metals**	trichlorobiphenyl
chloromethane	barium	

The results are presented on **Table 2**.

Benzene and chlorobenzene were both detected in seven out of eight monitoring wells. Consequently, benzene, chlorobenzene and total PCBs were the constituents chosen to evaluate groundwater migration from the Former PCB Manufacturing Area in the SHU and MHU.

Shallow Hydrogeologic Unit – DNAPL was present at the time of sampling in PMAMW04S at a thickness of approximately 0.10 feet but we were unable to collect a sample from this well. A groundwater sample was taken in lieu of the DNAPL sample for the 1Q08 sampling event. Total PCBs were detected at a concentration of 438.5 ug/L (filtered 164 ug/L) in the groundwater sample collected from source area monitoring well PMAMW04S. PMAMW04S has contained measurable DNAPL in seven of the eight sampling events; DNAPL was absent in 1Q07. Chlorobenzene was detected at a concentration of 530 ug/L, and benzene was detected in the groundwater at a 40 ug/L.

PCBs were detected in two of three downgradient PCB Mobility and Migration monitoring wells (PMAMW02S and PMAMW03S) at a concentration of 0.28 ug/L (filtered ND) and 0.25 ug/L (filtered 0.31 ug/L) respectively, while no PCBs were detected at in the third downgradient monitoring well sample (PMAMW01S). These data indicate that PCBs in the SHU attenuated over the 300 to 400 ft distance between PMAMW04S and the three downgradient monitoring wells.

Benzene and chlorobenzene were detected in two of the three downgradient SHU monitoring wells. Benzene was detected at concentrations of 6.9 ug/L and 81 ug/L respectively in downgradient monitoring wells PMAMW01S, and 02S (benzene was ND in PMAMW03S), while chlorobenzene was detected at concentrations of 440 ug/L and 180 ug/L respectively (chlorobenzene was ND in PMAMW03S).

Middle Hydrogeologic Unit – Total PCBs were detected at a concentration of 0.27 ug/L (filtered 0.1 ug/L) in Plume Stability Monitoring Well PSMW02, which is located adjacent to PMAMW04S in the Former PCB Manufacturing Area. Total PCBs were detected in the two of three downgradient monitoring

wells at concentrations of 1.7 ug/L (filtered 1.7 ug/L) (PMAMW02M), and 0.39 ug/L (filtered ND) (PMAMW03M). Total and dissolved PCBs were not detected in the duplicate sample for PMAMW03M. PMAMW02M was nondetect for both the unfiltered and filtered PCB samples during the 1Q08 sampling event. These data indicate that PCB migration was attenuated as recharge from the SHU reached the MHU, and migrated to the three downgradient monitoring wells.

Benzene and chlorobenzene were detected at concentrations of 2,100 ug/L and 490 ug/L, respectively, in source area monitoring well PSMW02. Benzene was detected at concentrations of 650 ug/L, 5,500 ug/L and 5,400/5,000 ug/L (duplicate), in downgradient monitoring wells PMAMW01M, 02M and 03M, respectively, while chlorobenzene was detected at concentrations of 1,100 ug/L, 7,900 ug/L, and 1,400/1,300 ug/L (duplicate).

Figures 5 and **6** display the results for PCBs (unfiltered and filtered), total chlorobenzenes, and benzene for the 2Q07, 3Q07, 4Q07, and 1Q08 sampling events for the SHU and MHU, respectively. Data from the 1Q08 sampling event are generally consistent with the results from previous sampling events (Solutia, 2006B; Solutia, 2007A; Solutia, 2007B; Solutia, 2007C; Solutia, 2007D; Solutia, 2008A; Solutia, 2008B; Solutia, 2008C) except for the anomalous 4Q07 detection of 48 ug/L of PCBs in PMAMW1M. The PCB concentrations from this quarter from well PMAMW1M are more in-line with the former six quarters ranging from ND to 0.29 ug/L.

The next sampling event (2Q08) will be the last event conducted under the PCB Mobility and Migration Investigation Work Plan. Starting with 3Q08, Solutia will implement the PCB Groundwater Quality Assessment Program.

6.0 REFERENCES

Solutia Inc, 2005. PCB Mobility and Migration Investigation Plan, W.G. Krummrich Facility, Sauget, IL, Prepared by URS Corporation, October 2005.

Solutia Inc, 2006A. "PCB Well Info." E-mail to USEPA. 26 July 2006.

Solutia Inc, 2006B. PCB Mobility and Migration Investigation 2nd Quarter 2006 Data Report, W.G. Krummrich Facility, Sauget, IL, Prepared by URS Corporation, October 2006.

Solutia Inc, 2007A. PCB Mobility and Migration Investigation 3rd Quarter 2006 Data Report, W.G. Krummrich Facility, Sauget, IL, Prepared by URS Corporation, January 2007.

Solutia Inc, 2007B. PCB Mobility and Migration Investigation 4th Quarter 2006 Data Report, W.G. Krummrich Facility, Sauget, IL, Prepared by URS Corporation, May 2007.

Solutia Inc, 2007C. PCB Mobility and Migration Investigation 1st Quarter 2007 Data Report, W.G. Krummrich Facility, Sauget, IL, Prepared by URS Corporation, July 2007.

Solutia Inc, 2007D. PCB Mobility and Migration Investigation 2nd Quarter 2007 Data Report, W.G. Krummrich Facility, Sauget, IL, Prepared by URS Corporation, November 2007.

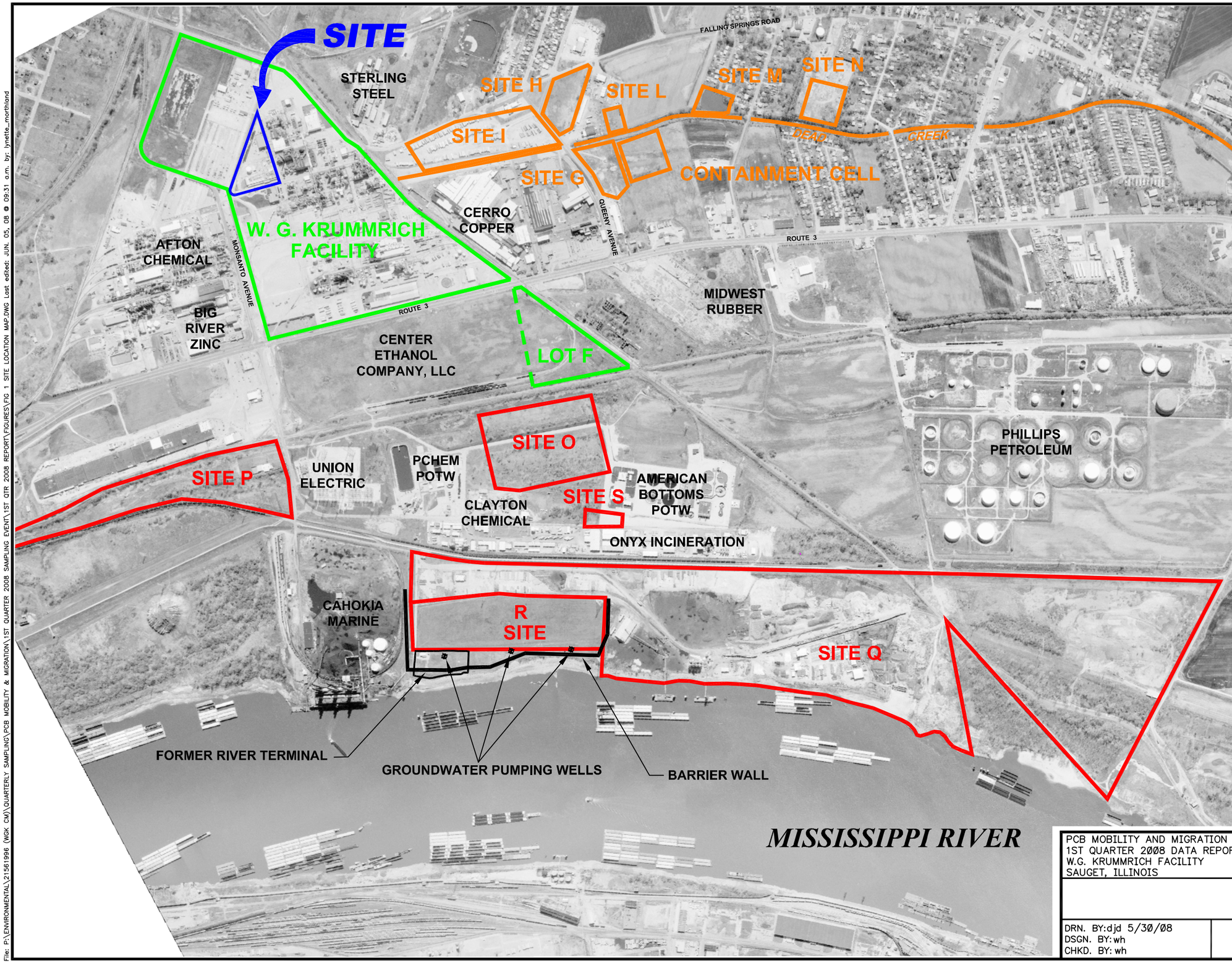
Solutia Inc, 2008A. PCB Mobility and Migration Investigation 3rd Quarter 2007 Data Report, W.G. Krummrich Facility, Sauget, IL, Prepared by URS Corporation, December 2007.

Solutia Inc, 2008B. PCB Mobility and Migration Investigation 4th Quarter 2007 Data Report, W.G. Krummrich Facility, Sauget, IL, Prepared by URS Corporation, April 2008.

Solutia Inc, 2008C. Plume Stability Monitoring Program 1st Quarter 2008 Data Report, W.G. Krummrich Facility, Sauget, IL, Prepared by URS Corporation, July 2008.

U.S. Environmental Protection Agency (USEPA), 1999. Contract Laboratory Program National Functional Guidelines for Organic Data Review.

Figures



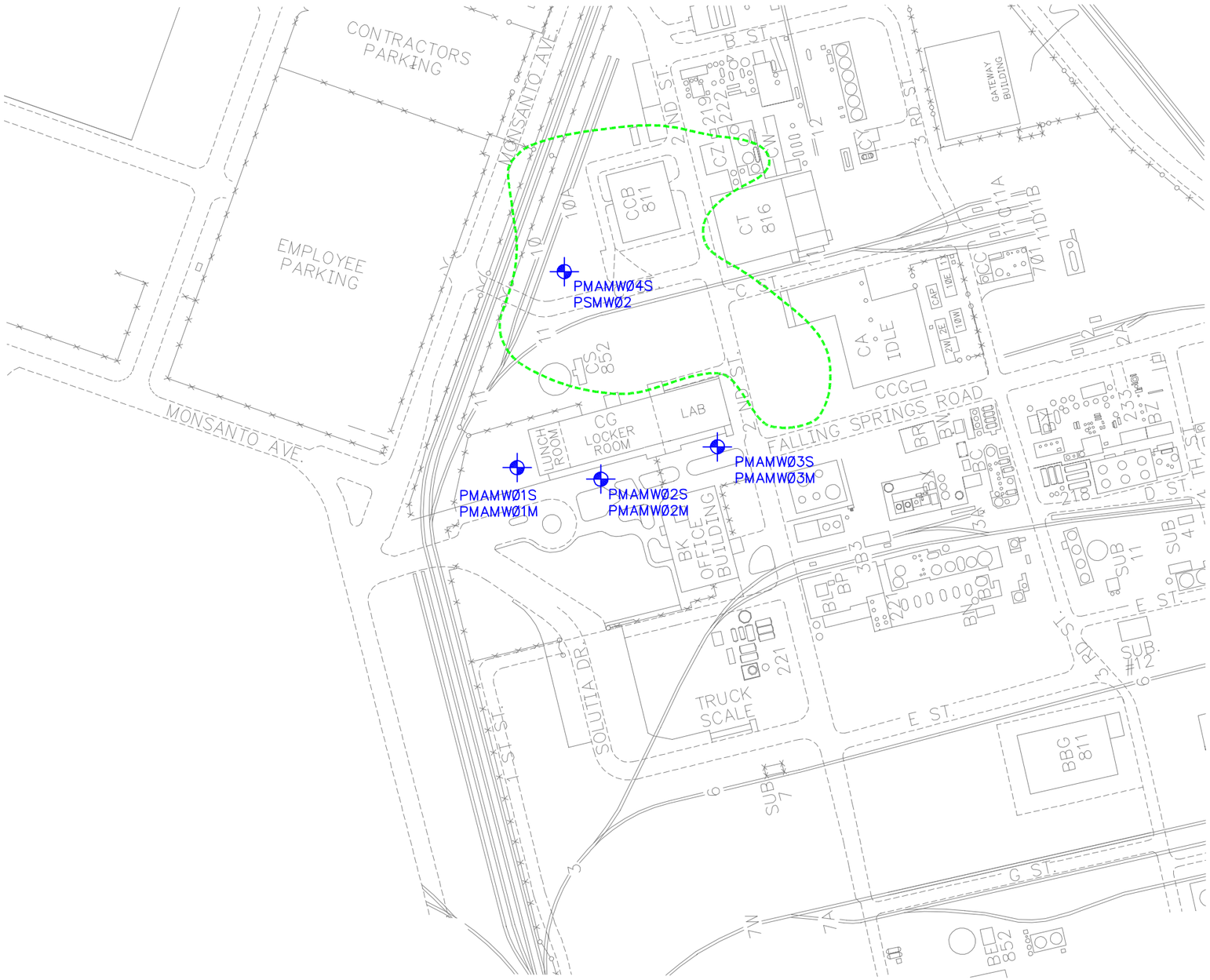
LEGEND

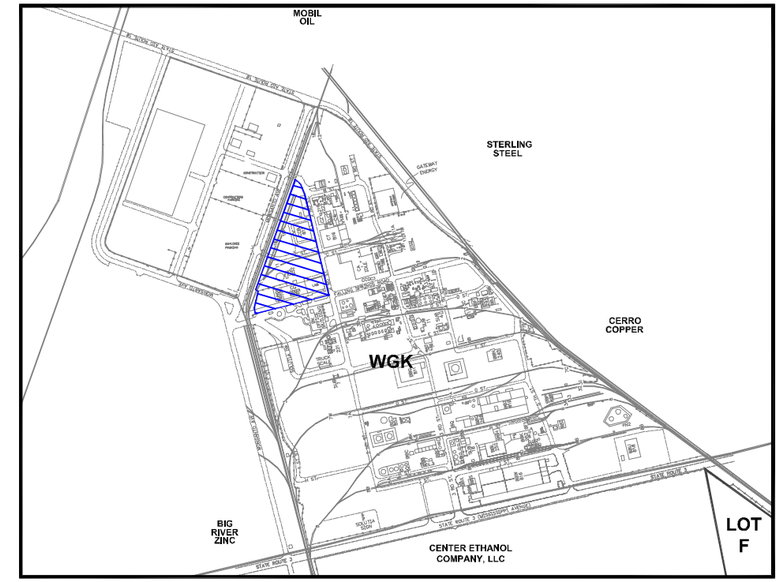
- W.G. KRUMMRICH FACILITY
- SAUGET AREA #1
- SAUGET AREA #2

0 1000
SCALE FEET

PCB MOBILITY AND MIGRATION INVESTIGATION 1ST QUARTER 2008 DATA REPORT W.G. KRUMMRICH FACILITY SAUGET, ILLINOIS	PROJECT NO. 21561996.00001
URS	
DRN. BY:djd 5/30/08 DSGN. BY:wh CHKD. BY:wh	Site Location Map
	FIG. NO. 1

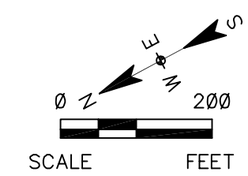
File: P:\ENVIRONMENTAL\21561996 (WGK CM)\QUARTERLY SAMPLING\PCB MOBILITY & MIGRATION\1ST QUARTER 2008 SAMPLING EVENT\1ST QTR 2008 REPORT\FIGURES\FIG 1 SITE LOCATION MAP.DWG Last edited: JUN. 05, 08 @ 09:31 a.m. by: lynette_morthland





KEYMAP

1" = 1000'



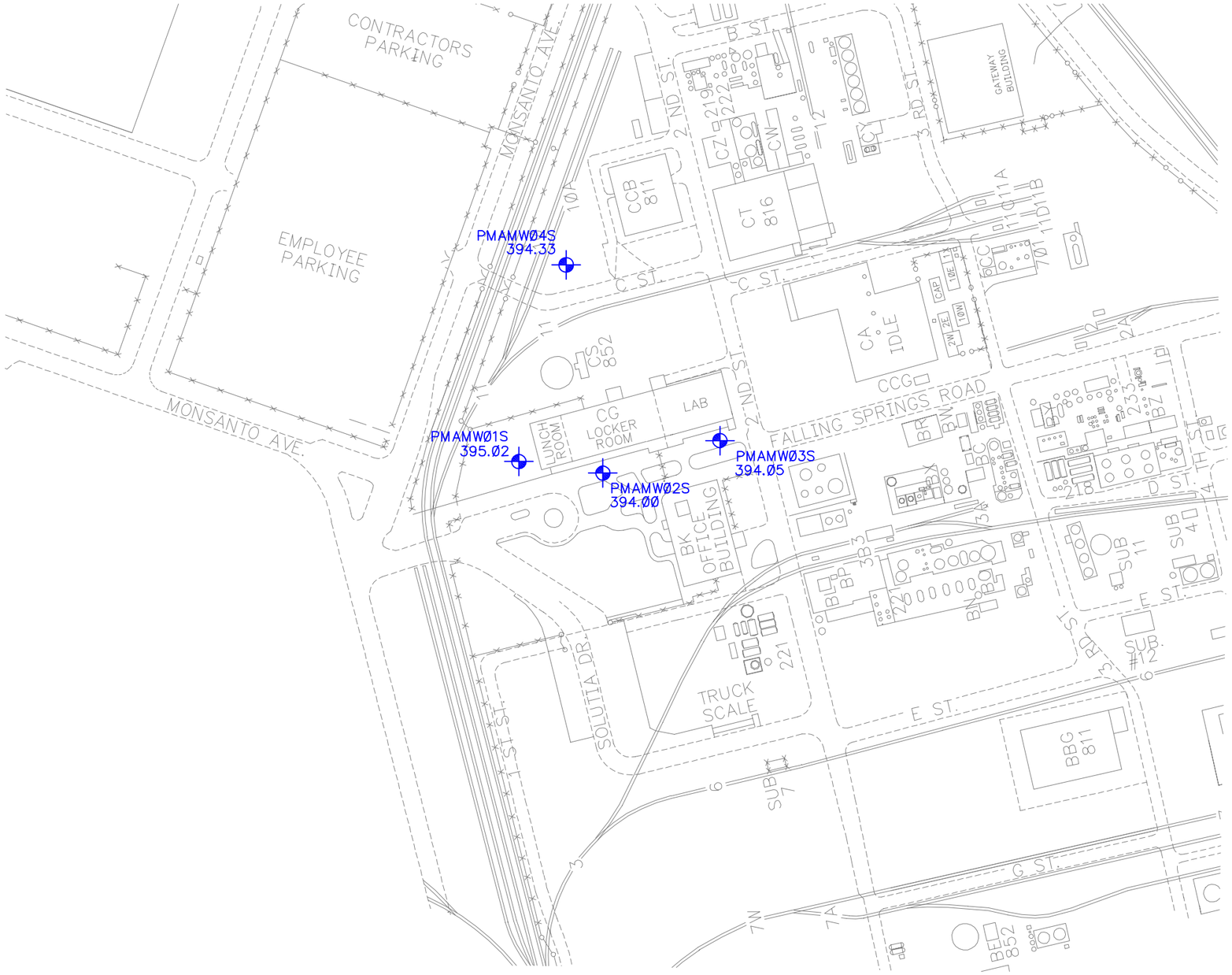
LEGEND

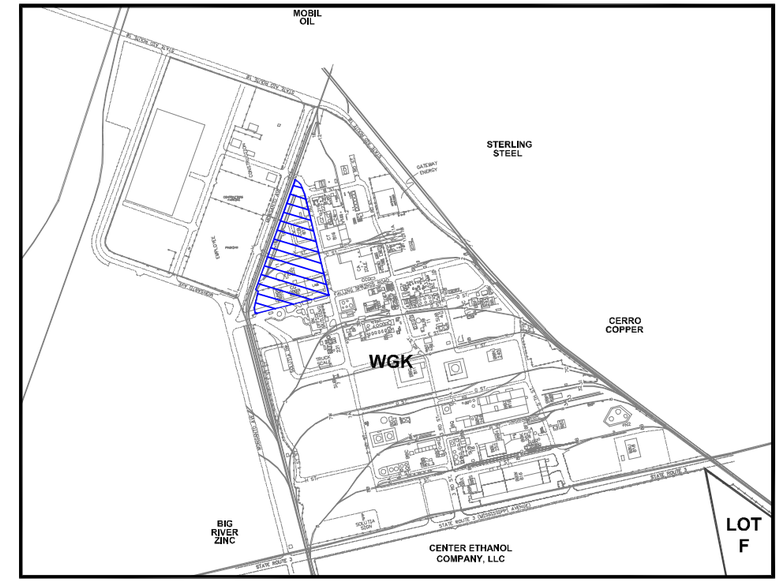
MONITORING WELL LOCATION

APPROXIMATE 25 mg/kg TOTAL PCB CONTOUR LINE (SOIL)

PCB MOBILITY AND MIGRATION INVESTIGATION 1ST QUARTER 2008 DATA REPORT W.G. KRUMMRICH FACILITY SAUGET, ILLINOIS	PROJECT NO. 21561996.00001
URS	
DRN. BY: djd 5/30/08 DSGN. BY: wh CHKD. BY: wh	Former PCB Manufacturing Area Monitoring Well Locations
	FIG. NO. 2

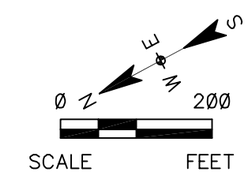
File: P:\ENVIRONMENTAL\21561996 (WGK CM)\QUARTERLY SAMPLING\PCB MOBILITY & MIGRATION\1ST QUARTER 2008 SAMPLING EVENT\1ST QTR 2008 REPORT\FIGURES\FIG-2 PCB MOBILITY AND MIGRATION WELL LOCATIONS.DWG Last edited: JUN. 12, 08 @ 09:49 a.m. by david_deguire





KEYMAP

1" = 1000'



LEGEND

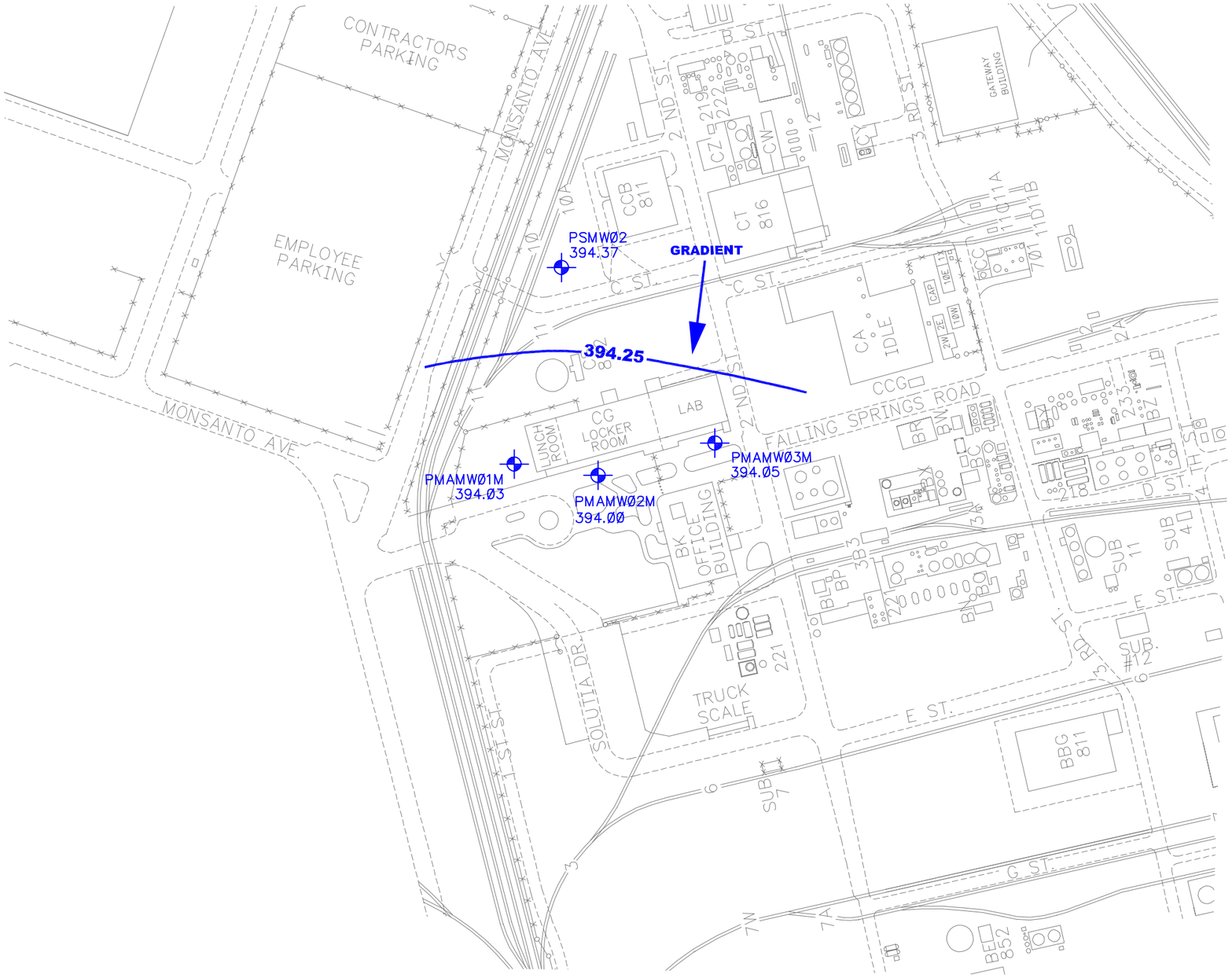
MONITORING WELL LOCATION

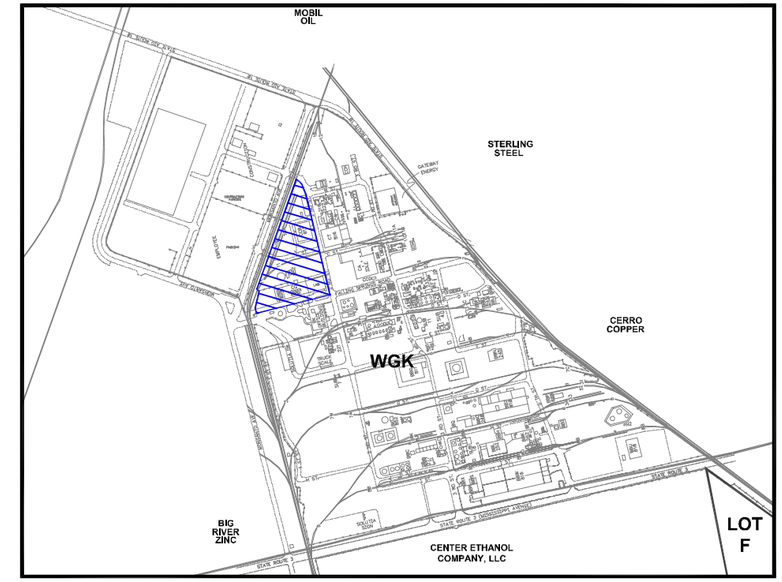
—394.25— GROUNDWATER ELEVATION CONTOUR (FT NAVD)

NOTE:
GROUNDWATER LEVEL MEASUREMENTS WERE RECORDED ON MARCH 13, 2008.

PCB MOBILITY AND MIGRATION INVESTIGATION 1ST QUARTER 2008 DATA REPORT W.G. KRUMMRICH FACILITY SAUGET, ILLINOIS	PROJECT NO. 21561996.00001
URS	
DRN. BY: djd 5/30/08 DSGN. BY: wh CHKD. BY: wh	Potentiometric Surface Map– Shallow Hydrogeologic Unit
	FIG. NO. 3

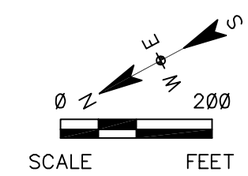
File: P:\ENVIRONMENTAL\21561996 (WGK CM)\QUARTERLY SAMPLING\PCB MOBILITY & MIGRATION\1ST QUARTER 2008 SAMPLING EVENT\1ST QTR 2008 REPORT\FIGURES\FIG-3 (SHALLOW).DWG Last edited: JUN. 12, 08 @ 11:15 a.m. by: david deguire





KEYMAP

1" = 1000'



LEGEND

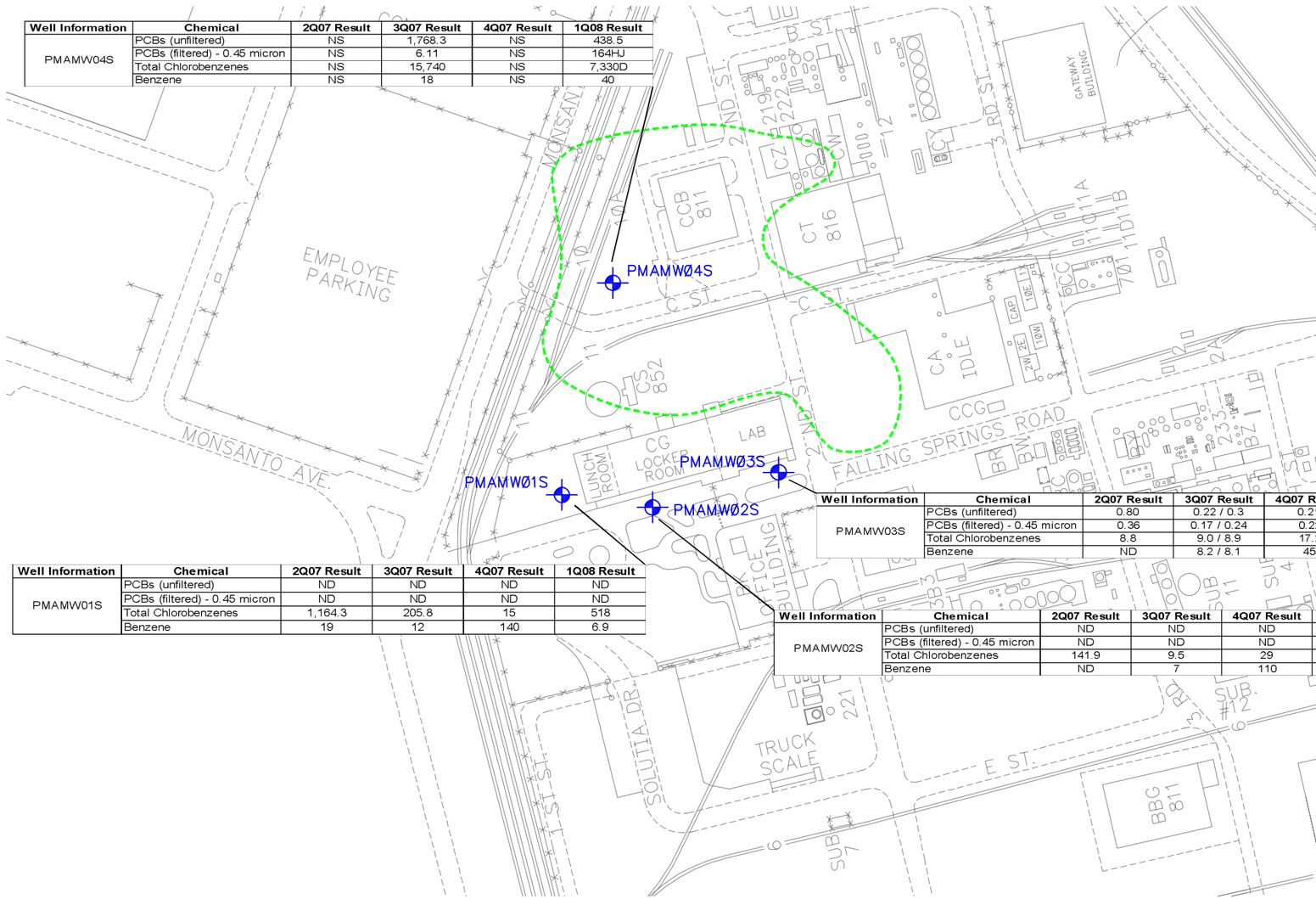
MONITORING WELL LOCATION

—394.25— GROUNDWATER ELEVATION CONTOUR (FT NAVD)

NOTE:
GROUNDWATER LEVEL MEASUREMENTS WERE RECORED ON MARCH 13, 2008.

PCB MOBILITY AND MIGRATION INVESTIGATION 1ST QUARTER 2008 DATA REPORT W.G. KRUMMRICH FACILITY SAUGET, ILLINOIS	PROJECT NO. 21561996.00001
URS	
DRN. BY: djd 5/30/08 DSGN. BY: wh CHKD. BY: wh	Potentiometric Surface Map– Middle Hydrogeologic Unit
	FIG. NO. 4

File: P:\ENVIRONMENTAL\21561996 (WGK CM)\QUARTERLY SAMPLING\PCB MOBILITY & MIGRATION\1ST QUARTER 2008 SAMPLING EVENT\1ST QTR 2008 REPORT\FIGURES\FIG-4 MIDDLE).DWG Last edited: JUN. 12, 08 @ 09:52 a.m. by: david deguire

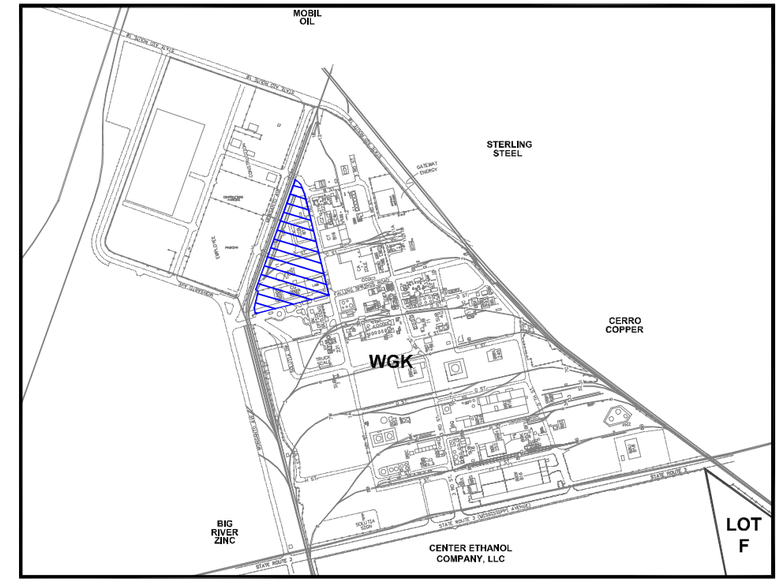


Well Information	Chemical	2Q07 Result	3Q07 Result	4Q07 Result	1Q08 Result
PMAMW04S	PCBs (unfiltered)	NS	1,768.3	NS	438.5
	PCBs (filtered) - 0.45 micron	NS	6.11	NS	164HJ
	Total Chlorobenzenes	NS	15,740	NS	7,330D
	Benzene	NS	18	NS	40

Well Information	Chemical	2Q07 Result	3Q07 Result	4Q07 Result	1Q08 Result
PMAMW03S	PCBs (unfiltered)	0.80	0.22 / 0.3	0.21	0.25
	PCBs (filtered) - 0.45 micron	0.36	0.17 / 0.24	0.22	0.31
	Total Chlorobenzenes	8.8	9.0 / 8.9	17.2	ND
	Benzene	ND	8.2 / 8.1	45	ND

Well Information	Chemical	2Q07 Result	3Q07 Result	4Q07 Result	1Q08 Result
PMAMW01S	PCBs (unfiltered)	ND	ND	ND	ND
	PCBs (filtered) - 0.45 micron	ND	ND	ND	ND
	Total Chlorobenzenes	1,164.3	205.8	15	518
	Benzene	19	12	140	6.9

Well Information	Chemical	2Q07 Result	3Q07 Result	4Q07 Result	1Q08 Result
PMAMW02S	PCBs (unfiltered)	ND	ND	ND	0.28
	PCBs (filtered) - 0.45 micron	ND	ND	ND	ND
	Total Chlorobenzenes	141.9	9.5	29	1,026D
	Benzene	ND	7	110	81



KEYMAP

1" = 1000'

NOTES:

1) TOTAL CHLOROBENZENES RESULTS INCLUDE THE SUM OF MONOCHLOROBENZENE, 1,2-DICHLOROBENZENE, 1,3-DICHLOROBENZENE, 1,4-DICHLOROBENZENE, AND 1,2,4-TRICHLOROBENZENE.

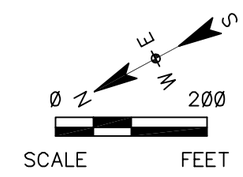
2) TOTAL PCBs RESULTS INCLUDE THE SUM OF ALL METHOD 680 HOMOLOGS.

3) RESULTS SHOWN ARE IN ug/L.

4) ND DENOTES NOT DETECTED

5) MULTIPLE SAMPLE RESULTS INDICATE A DUPLICATE SAMPLE.

6) NS DENOTES PMAMW04S CONTAINED DNAPL AND THE GROUNDWATER WAS NOT SAMPLED DURING THE EVENT (2Q07 AND 4Q07), BOTH DNAPL AND GROUNDWATER WERE SAMPLED DURING 3Q07, GROUNDWATER RESULTS ARE PRESENTED ON THIS FIGURE.



LEGEND

MONITORING WELL LOCATION

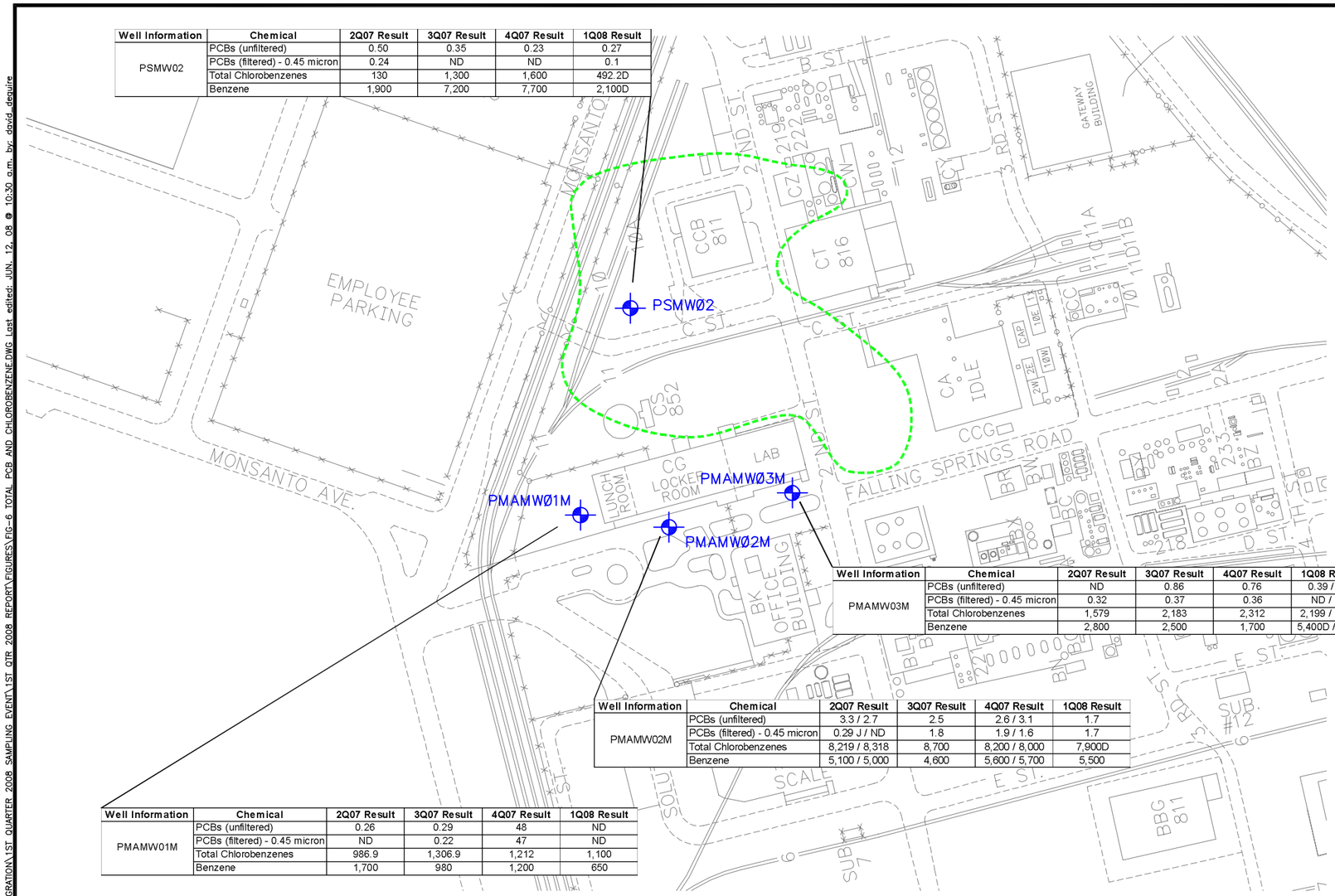
APPROXIMATE 25 mg/kg TOTAL PCB CONTOUR LINE (SOIL)

PCB MOBILITY AND MIGRATION INVESTIGATION 1ST QUARTER 2008 DATA REPORT W.G. KRUMMRICH FACILITY SAUGET, ILLINOIS	PROJECT NO. 21561996.00001

URS

DRN. BY: djd 5/30/08 DSGN. BY: wh CHKD. BY: wh	Total PCBs, Total Chlorobenzenes, and Benzene Results – SHU Wells	FIG. NO. 5

File: P:\ENVIRONMENTAL\21561996 (WGK CM)\QUARTERLY SAMPLING\PCB MOBILITY & MIGRATION\1ST QUARTER 2008 SAMPLING EVENT\1ST QTR 2008 REPORT\FIGURES\FIG-5 TOTAL PCB.DWG Last edited: JUN. 12, 08 @ 12:43 p.m. by: david_deguire

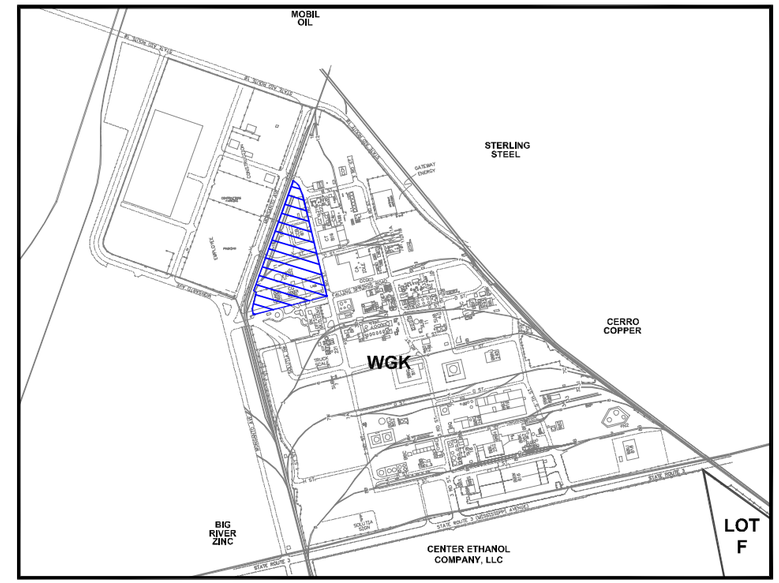


Well Information	Chemical	2Q07 Result	3Q07 Result	4Q07 Result	1Q08 Result
PSMW02	PCBs (unfiltered)	0.50	0.35	0.23	0.27
	PCBs (filtered) - 0.45 micron	0.24	ND	ND	0.1
	Total Chlorobenzenes	130	1,300	1,600	492.2D
	Benzene	1,900	7,200	7,700	2,100D

Well Information	Chemical	2Q07 Result	3Q07 Result	4Q07 Result	1Q08 Result
PMAMW03M	PCBs (unfiltered)	ND	0.86	0.76	0.39 / ND
	PCBs (filtered) - 0.45 micron	0.32	0.37	0.36	ND / ND
	Total Chlorobenzenes	1,579	2,183	2,312	2,199 / 1,984
	Benzene	2,800	2,500	1,700	5,400D / 5,000

Well Information	Chemical	2Q07 Result	3Q07 Result	4Q07 Result	1Q08 Result
PMAMW02M	PCBs (unfiltered)	3.3 / 2.7	2.5	2.6 / 3.1	1.7
	PCBs (filtered) - 0.45 micron	0.29 J / ND	1.8	1.9 / 1.6	1.7
	Total Chlorobenzenes	8,219 / 8,318	8,700	8,200 / 8,000	7,900D
	Benzene	5,100 / 5,000	4,600	5,600 / 5,700	5,500

Well Information	Chemical	2Q07 Result	3Q07 Result	4Q07 Result	1Q08 Result
PMAMW01M	PCBs (unfiltered)	0.26	0.29	48	ND
	PCBs (filtered) - 0.45 micron	ND	0.22	47	ND
	Total Chlorobenzenes	986.9	1,306.9	1,212	1,100
	Benzene	1,700	980	1,200	650



KEYMAP

1" = 1000'

NOTES:

1) TOTAL CHLOROBENZENES RESULTS INCLUDE THE SUM OF MONOCHLOROBENZENE, 1,2-DICHLOROBENZENE, 1,3-DICHLOROBENZENE, 1,4-DICHLOROBENZENE, AND 1,2,4-TRICHLOROBENZENE.

2) TOTAL PCBs RESULTS INCLUDE THE SUM OF ALL METHOD 680 HOMOLOGS.

3) RESULTS SHOWN ARE IN ug/L.

4) ND DENOTES NOT DETECTED.

5) MULTIPLE SAMPLE RESULTS INDICATE A DUPLICATE SAMPLE.

LEGEND

MONITORING WELL LOCATION

APPROXIMATE 25 mg/kg TOTAL PCB CONTOUR LINE (SOIL)

0 200

SCALE FEET

PCB MOBILITY AND MIGRATION INVESTIGATION
1ST QUARTER 2008 DATA REPORT
W.G. KRUMMRICH FACILITY
SAUGET, ILLINOIS

PROJECT NO. 21561996.00001

URS

DRN. BY: djd 5/30/08
DSGN. BY: wh
CHKD. BY: wh

Total PCBs, Total Chlorobenzenes, and Benzene Results-MHU Wells

FIG. NO. 6

File: P:\ENVIRONMENTAL\21561996 (WGK CM)\QUARTERLY SAMPLING\PCB MOBILITY & MIGRATION\1ST QUARTER 2008 SAMPLING EVENT\1ST QTR 2008 REPORT\FIGURES\FIG-6 TOTAL PCB AND CHLOROBENZENE.DWG Last edited: JUN. 12, 08 @ 10:30 a.m. by: david_dequire

Tables

Table 1
Monitoring Well Gauging Information

Well ID	Construction Details						March 13, 2008			
	Ground Elevation (ft)*	Casing Elevation (ft)*	Depth to Top of Screen (ft)**	Depth to Bottom of Screen (ft)**	Top of Screen Elevation (ft)*	Bottom of Screen Elevation (ft)*	Depth to Water (ft) ***	Depth to Product (ft) ***	Depth to Bottom (ft)***	Water Elevation (ft)*
Shallow Hydrogeologic Unit (SHU 395 - 380 ft NAVD)										
PMAMW01S	410.30	410.06	20.18	25.18	390.12	385.37	15.04	-	24.93	395.02
PMAMW02S	412.27	411.66	22.94	27.94	389.33	385.01	17.66	-	27.26	394.00
PMAMW03S	412.37	412.06	22.71	27.71	389.66	384.97	18.01	-	27.40	394.05
PMAMW04S	411.09	410.43	20.99	25.99	390.10	385.74	16.10	25.25	25.35	394.33
Middle Hydrogeologic Unit (MHU 380 - 350 ft NAVD)										
PMAMW01M	410.32	410.08	54.54	59.54	355.78	350.71	16.05	-	59.61	394.03
PMAMW02M	412.26	411.93	56.87	61.87	355.39	350.71	17.93	-	61.55	394.00
PMAMW03M	412.36	412.10	57.07	62.07	355.29	350.56	18.05	-	61.80	394.05
PSMW02	411.22	410.88	68.84	73.84	342.38	337.89	16.51	-	73.33	394.37

Note:
* Elevation based upon North American Vertical Datum (NAVD) 88 datum.
** Feet below ground surface.
*** Depth is measured from top of casing (TOC).

See last page of table for notes.

Table 2
Groundwater Analytical Detections

Sample ID	Sample Date	Chemical Group	Chemical	Result	Units	Lab Qualifiers	URS Qualifiers
PMAMW01S-0308	3/26/2008	VOCs	1,2-Dichlorobenzene	14	ug/L		
PMAMW01S-0308	3/26/2008	VOCs	1,4-Dichlorobenzene	59	ug/L		
PMAMW01S-0308	3/26/2008	VOCs	Benzene	6.9	ug/L		
PMAMW01S-0308	3/26/2008	VOCs	Chlorobenzene	440	ug/L		
PMAMW01M-0308	3/26/2008	VOCs	Benzene	650	ug/L		
PMAMW01M-0308	3/26/2008	VOCs	Chlorobenzene	1,100	ug/L		
PMAMW01M-0308	3/26/2008	SVOCs	P-Chloroaniline	42	ug/L		
PMAMW02S-0308	3/27/2008	VOCs	1,2-Dichlorobenzene	530	ug/L	D	
PMAMW02S-0308	3/27/2008	VOCs	1,3-Dichlorobenzene	55	ug/L		
PMAMW02S-0308	3/27/2008	VOCs	1,4-Dichlorobenzene	230	ug/L	D	
PMAMW02S-0308	3/27/2008	VOCs	Benzene	81	ug/L		
PMAMW02S-0308	3/27/2008	VOCs	Chlorobenzene	180	ug/L		
PMAMW02S-0308	3/27/2008	SVOCs	1,2,4-Trichlorobenzene	31	ug/L		
PMAMW02S-0308	3/27/2008	SVOCs	3,4-Dichloronitrobenzene	53	ug/L		
PMAMW02S-0308	3/27/2008	PCBs	Dichlorobiphenyl	0.1	ug/L		
PMAMW02S-0308	3/27/2008	PCBs	Monochlorobiphenyl	0.18	ug/L		
PMAMW02M-0308	3/27/2008	VOCs	Benzene	5,500	ug/L	D	
PMAMW02M-0308	3/27/2008	VOCs	Chlorobenzene	7,900	ug/L	D	
PMAMW02M-0308	3/27/2008	PCBs	Monochlorobiphenyl	1.7	ug/L		
PMAMW02M-F-0308	3/27/2008	PCBs	Monochlorobiphenyl	1.7	ug/L		
PMAMW03S-0308	3/27/2008	PCBs	Monochlorobiphenyl	0.25	ug/L		
PMAMW03S-F-0308	3/27/2008	PCBs	Monochlorobiphenyl	0.31	ug/L		
PMAMW03M-0308	3/27/2008	VOCs	1,2-Dichlorobenzene	270	ug/L		
PMAMW03M-0308	3/27/2008	VOCs	1,3-Dichlorobenzene	49	ug/L		
PMAMW03M-0308	3/27/2008	VOCs	1,4-Dichlorobenzene	480	ug/L		
PMAMW03M-0308	3/27/2008	VOCs	Benzene	5,400	ug/L	D	
PMAMW03M-0308	3/27/2008	VOCs	Chlorobenzene	1,400	ug/L		
PMAMW03M-0308	3/27/2008	VOCs	Ethylbenzene	76	ug/L		
PMAMW03M-0308	3/27/2008	VOCs	Toluene	25	ug/L		
PMAMW03M-0308	3/27/2008	VOCs	Xylenes, Total	210	ug/L		
PMAMW03M-0308	3/27/2008	SVOCs	P-Chloroaniline	120	ug/L		
PMAMW03M-0308	3/27/2008	PCBs	Monochlorobiphenyl	0.39	ug/L		
PMAMW03M-0308-AD	3/27/2008	VOCs	1,2-Dichlorobenzene	180	ug/L		
PMAMW03M-0308-AD	3/27/2008	VOCs	1,3-Dichlorobenzene	44	ug/L		
PMAMW03M-0308-AD	3/27/2008	VOCs	1,4-Dichlorobenzene	460	ug/L		
PMAMW03M-0308-AD	3/27/2008	VOCs	Benzene	5,000	ug/L	D	
PMAMW03M-0308-AD	3/27/2008	VOCs	Chlorobenzene	1,300	ug/L		
PMAMW03M-0308-AD	3/27/2008	VOCs	Ethylbenzene	80	ug/L		
PMAMW03M-0308-AD	3/27/2008	VOCs	Toluene	23	ug/L		
PMAMW03M-0308-AD	3/27/2008	VOCs	Xylenes, Total	210	ug/L		
PMAMW03M-0308-AD	3/27/2008	SVOCs	P-Chloroaniline	120	ug/L		

See last page of table for notes.

Table 2
Groundwater Analytical Detections

Sample ID	Sample Date	Chemical Group	Chemical	Result	Units	Lab Qualifiers	URS Qualifiers
PMAMW04S-0308	3/31/2008	VOCs	1,2-Dichlorobenzene	330	ug/L	D	
PMAMW04S-0308	3/31/2008	VOCs	1,3-Dichlorobenzene	670	ug/L	D	
PMAMW04S-0308	3/31/2008	VOCs	1,4-Dichlorobenzene	2,900	ug/L	D	
PMAMW04S-0308	3/31/2008	VOCs	Benzene	40	ug/L		
PMAMW04S-0308	3/31/2008	VOCs	Chlorobenzene	530	ug/L	D	
PMAMW04S-0308	3/31/2008	VOCs	Chloromethane	1.1	ug/L		
PMAMW04S-0308	3/31/2008	VOCs	Ethylbenzene	13	ug/L		
PMAMW04S-0308	3/31/2008	SVOCs	1,2,4,5-Tetrachlorobenzene	28	ug/L		
PMAMW04S-0308	3/31/2008	SVOCs	1,2,4-Trichlorobenzene	2,900	ug/L	D	
PMAMW04S-0308	3/31/2008	SVOCs	3-Methylphenol/4-Methylphenol (m&p-Cresol)	9.8	ug/L		
PMAMW04S-0308	3/31/2008	SVOCs	P-Chloroaniline	38	ug/L		
PMAMW04S-0308	3/31/2008	SVOCs	Pentachlorobenzene	16	ug/L		
PMAMW04S-0308	3/31/2008	PCBs	Dichlorobiphenyl	12	ug/L		
PMAMW04S-0308	3/31/2008	PCBs	Heptachlorobiphenyl	89	ug/L		
PMAMW04S-0308	3/31/2008	PCBs	Hexachlorobiphenyl	110	ug/L		
PMAMW04S-0308	3/31/2008	PCBs	Monochlorobiphenyl	1.5	ug/L		
PMAMW04S-0308	3/31/2008	PCBs	Octachlorobiphenyl	12	ug/L		
PMAMW04S-0308	3/31/2008	PCBs	Pentachlorobiphenyl	73	ug/L		
PMAMW04S-0308	3/31/2008	PCBs	Tetrachlorobiphenyl	97	ug/L		
PMAMW04S-0308	3/31/2008	PCBs	Trichlorobiphenyl	44	ug/L		
PMAMW04S-F-0308	3/31/2008	PCBs	Dichlorobiphenyl	3.6	ug/L	H	J
PMAMW04S-F-0308	3/31/2008	PCBs	Heptachlorobiphenyl	39	ug/L	H	J
PMAMW04S-F-0308	3/31/2008	PCBs	Hexachlorobiphenyl	42	ug/L	H	J
PMAMW04S-F-0308	3/31/2008	PCBs	Octachlorobiphenyl	5.4	ug/L	H	J
PMAMW04S-F-0308	3/31/2008	PCBs	Pentachlorobiphenyl	28	ug/L	H	J
PMAMW04S-F-0308	3/31/2008	PCBs	Tetrachlorobiphenyl	35	ug/L	H	J
PMAMW04S-F-0308	3/31/2008	PCBs	Trichlorobiphenyl	11	ug/L	H	J
PSMW02-0308	3/28/2008	VOCs	1,4-Dichlorobenzene	2.2	ug/L		
PSMW02-0308	3/28/2008	VOCs	Benzene	2,100	ug/L	D	
PSMW02-0308	3/28/2008	VOCs	Chlorobenzene	490	ug/L	D	
PSMW02-0308	3/28/2008	VOCs	Ethylbenzene	6.1	ug/L		
PSMW02-0308	3/28/2008	VOCs	Toluene	39	ug/L		
PSMW02-0308	3/28/2008	VOCs	Xylenes, Total	130	ug/L		
PSMW02-0308	3/28/2008	SVOCs	P-Chloroaniline	23	ug/L		
PSMW02-0308	3/28/2008	SVOCs	Phenol	30	ug/L		
PSMW02-0308	3/28/2008	PCBs	Dichlorobiphenyl	0.16	ug/L		
PSMW02-0308	3/28/2008	PCBs	Monochlorobiphenyl	0.11	ug/L		
PSMW02-F-0308	3/28/2008	PCBs	Dichlorobiphenyl	0.1	ug/L		
PSMW02-0308	3/28/2008	Metals	Barium	0.61	mg/L		

Notes:
mg/L = milligrams per liter
ug/L = micrograms per liter
D = Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
H = Sample was prepped or analyzed beyond the specified holding time.
J = Estimated value

Appendix A

Groundwater Purging and Sampling Forms

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: WGK PMA **PROJECT NUMBER:** 21561996.00001 **FIELD PERSONNEL:** M. Corbett, B. Howland
DATE: 3/26/2008 **WEATHER:** 60's sunny.
MONITORING WELL ID: PMAMW01S **SAMPLE ID:** PMAMW01S-0308

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 24.95 ft
Depth to Water (btoc): 14.90 ft
Depth to LNAPL/DNAPL (btoc): — ft
Depth to Top of Screen (btoc): 20.18 ft
Screen Length: 5 ft

Water Column Height (do not include LNAPL or DNAPL): 10.05 ft btoc
If Depth to Top of Screen is > Depth to Water AND Screen Lenth is <4 feet,
Place Pump at: Total Well Depth – 0.5 (Screen Length + DNAPL Column Height) = 22.68 ft btoc
If Depth to Top of Screen is < Depth to Water AND Water Column Height and Screen Length are < 4ft,
Place Pump at: Total Well Depth – (0.5 X Water Column Height + DNAPL Column Height) = – ft btoc
If Screen Length and/or water column height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = – ft btoc

Volume of Flow Through Cell): 500 mL
Minimum Purge Volume =
(3 x Flow Through Cell Volume) 1500 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.1 ppm

PURGE DATA

Pump Type: Stainless Steel Monsoon

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Temp (°C)	Cond. (ms/cm)	Turbidity (NTUs)	DO (mg/l)	ORP (mv)
1,000	0930	14.90	Clear	Chem Like	6.39	17.05	1.333	46.1	~~1.27~~ 1.13	-22.3
2,000	0935	14.90	↓	↓	6.58	17.21	1.316	35.1	0.65	-28.0
3,000	0940	14.90			6.60	17.10	1.251	27.2	0.37	-35.5
4,000	0945	14.90			6.63	17.03	1.227	20.7	0.30	-35.1
5,000	0950	14.90			6.65	17.08	1.221	19.4	0.29	-33.9
6,000	0955	14.90	↓	↓	6.66	17.03	1.212	9.0	0.23	-31.9

Start Time: 0925
Stop Time: 0955
Elapsed Time: 30 min
Average Purge Rate (mL/min): 200
Water Quality Meter ID: YSI 556 and LaMotte 2020
Date Calibrated: 3/26/2008

SAMPLING DATA

Sample Date: 3/26/2008
Sample Method: Stainless Steel Monsoon
Sample Time: 10:00
Sample Flow Rate: 200
Analysis: VOCs, SVOCs, Total PCBs, Dissolved PCBs (0.45 micron filter)
Date Calibrated: NA

COMMENTS:

Ferrous Iron (Filtered 0.2 Micron) = NA

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: WGK PMA **PROJECT NUMBER:** 21561996.00001 **FIELD PERSONNEL:** M. Corbett, B. Howland
DATE: 3/26 /2008 **WEATHER:** Sunny, 55°
MONITORING WELL ID: PMAMW01M **SAMPLE ID:** PMAMW01M-0308

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 59.62 ft
Depth to Water (btoc): 14.52 ft
Depth to LNAPL/DNAPL (btoc): — ft
Depth to Top of Screen (btoc): 54.54 ft
Screen Length: 5 ft

Water Column Height (do not include LNAPL or DNAPL): 45.10 ft btoc
If Depth to Top of Screen is > Depth to Water AND Screen Lenth is <4 feet,
Place Pump at: Total Well Depth – 0.5 (Screen Length + DNAPL Column Height) = 52.04 ft btoc
If Depth to Top of Screen is < Depth to Water AND Water Column Height and Screen Length are < 4ft,
Place Pump at: Total Well Depth – (0.5 X Water Column Height + DNAPL Column Height) = — ft btoc
If Screen Length and/or water column height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = — ft btoc

Volume of Flow Through Cell): 500 mL
Minimum Purge Volume =
(3 x Flow Through Cell Volume) 1500 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: Stainless Steel Monsoon

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Temp (°C)	Cond. (ms/cm)	Turbidity (NTUs)	DO (mg/l)	ORP (mv)
0	0938	14.52	clear	chemical-like	7.03	16.31	2.449	20.1	41.5	-7.7
1000	0943				6.97	16.61	2.423	17.6	32.6	-7.6
2000	0948				7.04	16.68	2.415	13.3	29.0	-8.0
3000	0953				7.05	16.64	2.401	12.4	24.9	-8.6
4000	0958				7.03	16.35	2.369	10.01	20.2	-8.7
5000	1003				7.06	16.19	2.366	8.16	19.5	-8.5
6000	1008				7.10	16.42	2.362	4.59	16.7	-8.5

Start Time: 0938
Stop Time: 1008
Elapsed Time: 30 min
Average Purge Rate (mL/min): 200
Water Quality Meter ID: YSI 556 and LaMotte 2020
Date Calibrated: 3/26 /2008

SAMPLING DATA

Sample Date: 3/26 /2008
Sample Method: Stainless Steel Monsoon
Sample Time: 1020
Sample Flow Rate: 200 mL/min
Analysis: VOCs, SVOCs, Total PCBs, Dissolved PCBs
Date Calibrated: NA

COMMENTS:

Ferrous Iron (Filtered 0.2 Micron) = NA

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: WGK PMA **PROJECT NUMBER:** 21561996.00001 **FIELD PERSONNEL:** M. Corbett, B. Howland
DATE: 3/27/2008 **WEATHER:** 60's overcast lt. wind
MONITORING WELL ID: PMAMW02S **SAMPLE ID:** PMAMW02S-0308

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 27.35 ft
Depth to Water (btoc): 15.86 ft
Depth to LNAPL/DNAPL (btoc): — ft
Depth to Top of Screen (btoc): 22.94 ft
Screen Length: 5 ft

Water Column Height (do not include LNAPL or DNAPL): 11.49 ft btoc
If Depth to Top of Screen is > Depth to Water AND Screen Lenth is <4 feet,
Place Pump at: Total Well Depth – 0.5 (Screen Length + DNAPL Column Height) = 25.44 ft btoc
If Depth to Top of Screen is < Depth to Water AND Water Column Height and Screen Length are < 4ft,
Place Pump at: Total Well Depth – (0.5 X Water Column Height + DNAPL Column Height) = — ft btoc
If Screen Length and/or water column height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = — ft btoc

Volume of Flow Through Cell): 500 mL
Minimum Purge Volume =
(3 x Flow Through Cell Volume) 1500 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: Stainless Steel Monsoon

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Temp (°C)	Cond. (ms/cm)	Turbidity (NTUs)	DO (mg/l)	ORP (mv)
1000	1115	15.86	Cloudy Brown	Chem Like	7.14	15.76	1.479	167.2	1.44	-4.8
2000	1120	15.86	↓	↓	7.09	16.01	1.446	145.5	0.86	-4.8
3000	1125	15.86	↓	↓	7.10	16.29	1.386	~~1182.187~~	0.89	-5.4
4000	1130	15.86	↓	↓	7.12	16.30	1.363	~~1176.283~~	0.55	-5.8
5000	1135	15.86	Clear	↓	7.12	16.18	1.340	~~1106.388~~	0.53	-5.7
6000	1140	15.86	↓	↓	7.12	16.22	1.337	~~98.721~~	0.50	-5.7
7000	1145	15.86	↓	↓	7.12	16.25	1.325	~~89.269~~	0.48	-5.7

Start Time: 1110
Stop Time: 1145
Elapsed Time: 35 min
Average Purge Rate (mL/min): 200
Water Quality Meter ID: YSI 556 and LaMotte 2020
Date Calibrated: 3/27/2008

SAMPLING DATA

Sample Date: 3/27/2008
Sample Method: Stainless Steel Monsoon
Sample Time: 1145
Sample Flow Rate: 200 min
Analysis: VOCs, SVOCs, Total PCBs, Dissolved PCBs
Date Calibrated: NA

COMMENTS:
EB Before this well

Ferrous Iron (Filtered 0.2 Micron) = NA

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: WGK PMA **PROJECT NUMBER:** 21561996.00001 **FIELD PERSONNEL:** M. Corbett, B. Howland
DATE: 3/ 27 /2008 **WEATHER:** 55 overcast Rain
MONITORING WELL ID: PMAMW02M **SAMPLE ID:** PMAMW02M-0308

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 61.59 ft
Depth to Water (btoc): 16.15 ft
Depth to LNAPL/DNAPL (btoc): — ft
Depth to Top of Screen (btoc): 56.87 ft
Screen Length: 5 ft

Water Column Height (do not include LNAPL or DNAPL): 45.44 ft btoc
If Depth to Top of Screen is > Depth to Water AND Screen Lenth is <4 feet,
Place Pump at: Total Well Depth – 0.5 (Screen Length + DNAPL Column Height) = 59.37 ft btoc
If Depth to Top of Screen is < Depth to Water AND Water Column Height and Screen Length are < 4ft,
Place Pump at: Total Well Depth – (0.5 X Water Column Height + DNAPL Column Height) = — ft btoc
If Screen Length and/or water column height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = — ft btoc

Volume of Flow Through Cell): 500 mL
Minimum Purge Volume =
(3 x Flow Through Cell Volume) 1500 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: Stainless Steel Monsoon

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Temp (°C)	Cond. (ms/cm)	Turbidity (NTUs)	DO (mg/l)	ORP (mv)
1000	0845	16.15	slightly cloudy	Chem like	7.26	15.18	2.195	36.2	1.32	1.8
2000	0850	16.15	↓	↓	7.23	15.14	2.189	20.0	1.25	-3.4
3000	0855	16.15			7.23	15.23	2.184	11.6	1.20	-4.1
4000	0900	16.15			7.28	15.49	2.183	9.0	1.29	-5.3
5000	0905	16.15			7.24	15.25	2.190	8.1	1.20	-5.3

Start Time: 0840
Stop Time: 0905
Elapsed Time: 25 min
Average Purge Rate (mL/min): 200
Water Quality Meter ID: YSI 556 and LaMotte 2020
Date Calibrated: 3/ 27 /2008

SAMPLING DATA

Sample Date: 3/ 27 /2008
Sample Method: Stainless Steel Monsoon
Sample Time: 0905
Sample Flow Rate: 200
Analysis: VOCs, SVOCs, Total PCBs, Dissolved PCBs
Date Calibrated: NA

COMMENTS:

Ferrous Iron (Filtered 0.2 Micron) = NA

1

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: WGK PMA **PROJECT NUMBER:** 21561996.00001 **FIELD PERSONNEL:** M. Corbett, B. Howland
DATE: 3/27 /2008 **WEATHER:** overcast, 65°
MONITORING WELL ID: PMAMW03S **SAMPLE ID:** PMAMW03S-0308

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 27.40 ft
Depth to Water (btoc): 16.16 ft
Depth to LNAPL/DNAPL (btoc): — ft
Depth to Top of Screen (btoc): 22.71 ft
Screen Length: 5 ft

Water Column Height (do not include LNAPL or DNAPL): 11.24 ft btoc
If Depth to Top of Screen is > Depth to Water AND Screen Lenth is <4 feet,
Place Pump at: Total Well Depth – 0.5 (Screen Length + DNAPL Column Height) = 25.21 ft btoc
If Depth to Top of Screen is < Depth to Water AND Water Column Height and Screen Length are < 4ft,
Place Pump at: Total Well Depth – (0.5 X Water Column Height + DNAPL Column Height) = — ft btoc
If Screen Length and/or water column height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = — ft btoc

Volume of Flow Through Cell): 500 mL
Minimum Purge Volume =
(3 x Flow Through Cell Volume) 1500 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.2 ppm

PURGE DATA

Pump Type: Stainless Steel Monsoon

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Temp (°C)	Cond. (ms/cm)	Turbidity (NTUs)	DO (mg/l)	ORP (mv)
0	1450	16.15	cloudy	chemical-like	6.96	17.55	1.339	40.6	1.22	-19.6
1000	1455	↓	clear	↓	6.94	17.53	1.348	28.3	0.98	-19.6
2000	1500	↓	clear	↓	6.91	17.52	1.356	19.6	0.35	-19.9
3000	1505	↓	clear	↓	6.90	17.59	1.356	18.4	0.25	-17.1
4000	1510	↓	clear	↓	6.89	17.71	1.353	15.4	0.21	-10.3
5000	1515	↓	clear	↓	6.88	17.77	1.344	8.96	0.20	-8.9
6000	1520	↓	clear	↓	6.88	17.80	1.343	8.23	0.19	-7.6

Start Time: 1450
Stop Time: 1520
Elapsed Time: 30 min
Average Purge Rate (mL/min): 200
Water Quality Meter ID: YSI 556 and LaMotte 2020
Date Calibrated: 3/27 /2008

SAMPLING DATA

Sample Date: 3/27 /2008
Sample Method: Stainless Steel Monsoon
Sample Time: ~~1630~~ MC 1530
Sample Flow Rate: 200
Analysis: VOCs, SVOCs, Total PCBs, Dissolved PCBs
Date Calibrated: NA

COMMENTS:

Ferrous Iron (Filtered 0.2 Micron) = NA

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: WGK PMA **PROJECT NUMBER:** 21561996.00001 **FIELD PERSONNEL:** M. Corbett, B. Howland
DATE: 3/27/2008 **WEATHER:** Cloudy 60's
MONITORING WELL ID: PMAMW03M **SAMPLE ID:** PMAMW03M-0308

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 61.84 ft
Depth to Water (btoc): 16.36 ft
Depth to LNAPL/DNAPL (btoc): — ft
Depth to Top of Screen (btoc): 57.07 ft
Screen Length: 5 ft

Water Column Height (do not include LNAPL or DNAPL): ft btoc
If Depth to Top of Screen is > Depth to Water AND Screen Lenth is <4 feet,
Place Pump at: Total Well Depth – 0.5 (Screen Length + DNAPL Column Height) = ft btoc
If Depth to Top of Screen is < Depth to Water AND Water Column Height and Screen Length are < 4ft,
Place Pump at: Total Well Depth – (0.5 X Water Column Height + DNAPL Column Height) = — ft btoc
If Screen Length and/or water column height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = — ft btoc

Volume of Flow Through Cell): 500 mL
Minimum Purge Volume =
(3 x Flow Through Cell Volume) 1500 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: Stainless Steel Monsoon

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Temp (°C)	Cond. (ms/cm)	Turbidity (NTUs)	DO (mg/l)	ORP (mv)
1000	1410	16.36	Black	Chem like	9.70	17.31	2.436	Error *	0.46	-9.1
2,000	1415	16.36			9.70	17.89	2.454	Error	0.19	-7.9
3,000	1420	16.36			9.72	17.39	2.506	Error	0.15	-7.5
4,000	1425	16.36			9.70	17.59	2.500	Error	0.13	-7.4
5,000	1430	16.36			9.70	17.53	2.498	Error	0.10	-7.3

Start Time: 1405
Stop Time: 1430
Elapsed Time: 25 min
Average Purge Rate (mL/min): 200
Water Quality Meter ID: YSI 556 and LaMotte 2020
Date Calibrated: 3/ /2008

SAMPLING DATA

Sample Date: 3/27/2008
Sample Method: Stainless Steel Monsoon
Sample Time: 1430
Sample Flow Rate: 200 ML/min
Analysis: VOCs, SVOCs, Total PCBs, Dissolved PCBs
Date Calibrated: NA

COMMENTS:
Duplicate Sample on this well
* Error due to dark color (black) of water.

Ferrous Iron (Filtered 0.2 Micron) = NA

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: WGK PMA **PROJECT NUMBER:** 21561996.00001 **FIELD PERSONNEL:** M. Corbett, B. Howland
DATE: 3/31/2008 **WEATHER:** 60s, cloudy
MONITORING WELL ID: PMAMW04S **SAMPLE ID:** PMAMW04S-0308

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 25.39 ft
Depth to Water (btoc): 13.95 ft
Depth to LNAPL/DNAPL (btoc): 0.10 ft
Depth to Top of Screen (btoc): 20.99 ft
Screen Length: 5 ft

Water Column Height (do not include LNAPL or DNAPL): ____ ft btoc
If Depth to Top of Screen is > Depth to Water AND Screen Lenth is (4 feet,
Place Pump at: Total Well Depth – 0.5 (Screen Length + DNAPL Column Height) = ____ ft btoc
If Depth to Top of Screen is < Depth to Water AND Water Column Height and Screen Length are (4ft,
Place Pump at: Total Well Depth – (0.5 X Water Column Height + DNAPL Column Height) = ____ ft btoc
If Screen Length and/or water column height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = ____ ft btoc

Volume of Flow Through Cell): 500 mL
Minimum Purge Volume =
(3 x Flow Through Cell Volume) 1500 mL
Ambient PID/FID Reading: ____ ppm
Wellbore PID/FID Reading: ____ ppm

PURGE DATA

Pump Type: Stainless Steel Monsoon

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Temp (°C)	Cond. (ms/cm)	Turbidity (NTUs)	DO (mg/l)	ORP (mv)
200	0918	13.79	orange/yellow	chem-like	7.12	17.64	2.067	189	4.80	-7.0
1200	0923	13.79		strong	6.89	17.50	2.215	135	1.04	-2.7
2200	0928	13.79			6.86	17.47	2.233	111	0.65	-2.0
3200	0933	13.79			6.86	17.51	2.230	108	0.67	-2.0
4200	0938	13.79			6.86	17.57	2.239	68.5	0.38	-2.3
5200	0943	13.79	lt. yellow		6.86	17.61	2.238	57.0	0.35	-2.5
6200	0948	13.79			6.86	17.68	2.249	38.9	0.23	-2.7
7200	0953	13.79			6.87	17.75	2.255	38.9	0.33	-2.7
8200	0958	13.79			6.87	17.77	2.261	34.8	0.21	-3.8
9200	1003	13.79	cloudy		6.86	17.74	2.270	33.9	0.23	-4.2
10200	1008	13.79	clear		6.86	17.73	2.271	26.9	0.28	-4.3
11200	1013	13.79			6.86	17.68	2.273	28.5	0.18	-4.3
12200	1018	13.79			6.88	17.72	2.274	23.8	0.19	-5.8
13200	1023	13.79			6.87	17.82	2.275	28.0	0.23	-8.3
14200	1028	13.79			6.88	18.02	2.281	23.7	0.21	-8.4

Start Time: 0916
Stop Time: 1030
Elapsed Time: 74 min
Average Purge Rate (mL/min): 200
Water Quality Meter ID: YSI 556 and LaMotte 2020
Date Calibrated: 3/31/2008

SAMPLING DATA

Sample Date: 3/31/2008
Sample Method: Stainless Steel Monsoon
Sample Time: 1030
Sample Flow Rate: 200 mL/min
Analysis: VOCs, SVOCs, Total PCBs, Dissolved PCBs
Date Calibrated: NA

COMMENTS:

~~Resample due to hold time issues and sample container breakage~~ Sm
~~Ferrous Iron (Filtered 0.2 Micron)~~ = NA Sm

LOW FLOW GROUNDWATER SAMPLING DATA SHEET

PROJECT NAME: WGK Plume Stability Study
PROJECT NUMBER: 21561996.00001
FIELD PERSONNEL: M. Corbett, B. Howland
DATE: 3/ 28 /2008
WEATHER: overcast, 40°
MONITORING WELL ID: PSMW02
SAMPLE ID: PSMW02-0308

INITIAL DATA

Well Diameter: 2 in
Total Well Depth (btoc): 73.38 ft
Depth to Water (btoc): 14.65 ft
Depth to LNAPL/DNAPL (btoc): — ft
Depth to Top of Screen (btoc): 68.84 ft
Screen Length: 5 ft

Water Column Height (do not include LNAPL or DNAPL): 58.73 ft btoc
If Depth to Top of Screen is > Depth to Water AND Screen Lenth is <4 feet,
Place Pump at: Total Well Depth – 0.5 (Screen Length + DNAPL Column Height) = 66.34 ft btoc
If Depth to Top of Screen is < Depth to Water AND Water Column Height and Screen Length are < 4ft,
Place Pump at: Total Well Depth – (0.5 X Water Column Height + DNAPL Column Height) = — ft btoc
If Screen Length and/or water column height is < 4 ft, Place Pump at: Total Well Depth - 2 ft = — ft btoc

Volume of Flow Through Cell): 500 mL
Minimum Purge Volume =
(3 x Flow Through Cell Volume) 1500 mL
Ambient PID/FID Reading: 0.0 ppm
Wellbore PID/FID Reading: 0.0 ppm

PURGE DATA

Pump Type: Stainless Steel Monsoon

Purge Volume (mL)	Time	Depth to Water (ft)	Color	Odor	pH	Temp (°C)	Cond. (ms/cm)	Turbidity (NTUs)	DO (mg/l)	ORP (mv)
0	1155	14.65	cloudy	chemical-like	6.81	14.71	1.261	42.6	0.36	-10.8
1000	1200	↓	sl. cloudy	↓	6.76	14.87	1.246	28.0	0.25	-11.4
2000	1205	↓	clear	↓	6.80	15.17	1.238	12.7	0.22	-11.9
3000	1210	↓	clear	↓	6.68	15.38	1.223	10.1	0.16	-12.4
4000	1215	↓	clear	↓	6.76	15.54	1.223	1.24	0.14	-12.7

NFC

Start Time: 1155
Stop Time: 1215
Elapsed Time: 20 min
Average Purge Rate (mL/min): 200
Water Quality Meter ID: YSI 556 and LaMotte 2020
Date Calibrated: 3/ 28 /2008

SAMPLING DATA

Sample Date: 3/ 28 /2008
Sample Time: 1220
Analysis: VOCs, SVOCs, PCBs, Pesticides, Herbicides, Metals, Dissolved PCBs
Sample Method: Stainless Steel Monsoon
Sample Flow Rate: 200 mL/min
Date Calibrated: NA

COMMENTS:

Ferrous Iron (Filtered 0.2 micron) = Not measured

Appendix B

Chains-of-Custody

Serial Number 004174

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: W6K PCB Mobility	PROJECT NO.: 21561996.00001	PROJECT LOCATION (STATE): IL
TAL (LAB) PROJECT MANAGER: Lidya Gulizia	P.O. NUMBER:	CONTRACT NO.:
CLIENT (SITE) PM: Thomas Adams	CLIENT PHONE: 314-429-0100	CLIENT FAX: 314-429-0462
CLIENT NAME: URS Corporation	CLIENT E-MAIL:	
CLIENT ADDRESS: 1001 Highlands Plaza Dr. W. Ste. 300 St. Louis MO 63110		
COMPANY CONTRACTING THIS WORK (if applicable): Solutia		

PAGE 1 OF 1

STANDARD REPORT DELIVERY ●
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	8260B VOC HCl	8270C SVOC none	680 PCB none	Dissolved PCB 680 none							REMARKS
3/26/08	—	TB01-0308		X				3										
	1000	PMAMW01S-0308		X				3	2	2								
		PMAMW01S-0308-MS		X				3	2	2								
		PMAMW01S-0308-MSD		X				3	2	2								
		PMAMW01S-F-0308		X							2							
		PMAMW01S-F-0308-MS		X							2							
		PMAMW01S-F-0308-MSD		X							2							
	1020	PMAMW01M-0308		X				3	2	2								
		PMAMW01M-F-0308		X							2							

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	3/26/08	1330						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	3/27/08	1220	YES ○ NO ○		680-35403	3.0/1.6/1.6/1.0

TAL8240-680 (1207)

Serial Number 004214

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: WGK PCB M+M	PROJECT NO.: 21561996.00001	PROJECT LOCATION (STATE): IL
TAL (LAB) PROJECT MANAGER: L. Gulizia	P.O. NUMBER	CONTRACT NO.
CLIENT (SITE) PM: J. Adams	CLIENT PHONE: 314.429.0100	CLIENT FAX
CLIENT NAME: VRS Corp	CLIENT E-MAIL	
CLIENT ADDRESS: 1001 Highlands Plaza Dr. W, Suite 300, St. Louis MO 63110		
COMPANY CONTRACTING THIS WORK (If applicable): Solutia		

PAGE 1 OF 1

STANDARD REPORT DELIVERY ●
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	HCL VOC	None SVOC	None Total PCB	None Dissolved PCB							REMARKS
3/27/08	–	TB02-0308		X				3										
3/27/08	0905	PMAMW02M-0308		X				3	2	2								
3/27/08	0905	PMAMW02M-F-0308		X							2							
	1145	PMAMW02S-0308		X				3	2	2								
	1145	PMAMW02S-F-0308		X							2							
	1530	PMAMW03S-0308		X				3	2	2								
	1530	PMAMW03S-F-0308		X							2							
	1430	PMAMW03M-0308		X				3	2	2								
	↓	PMAMW03M-F-0308		X							2							
		PMAMW03M-0308-AD		X				3	2	2								
	↓	PMAMW03M-F-0308-AD		X							2							
↓	1100	~~PMAMW02S-0308-EB~~		X				3	2	2								
		~~PMAMW02S-F-0308-EB~~		X							2							

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	3/27/08	1730						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
KLh	3/29/08		YES ○ NO ○		650-35448	3/4.6/3.3/4.6/3/3

TAL8240-680 (1207)

Serial Number 89407

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

● STL Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.stl-inc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

○ Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: WGK PCB M&M	PROJECT NO.: 21561996.00001	PROJECT LOCATION (STATE): IL
STL (LAB) PROJECT MANAGER: Lidya Gulizia	P.O. NUMBER:	CONTRACT NO.:
CLIENT (SITE) PM: Thomas Adams	CLIENT PHONE: 314-429-0100	CLIENT FAX:
CLIENT NAME: WRS Corp.	CLIENT E-MAIL:	
CLIENT ADDRESS: 1001 Highlands Plaza Dr. N Ste 300 St. Louis MO 63110		
COMPANY CONTRACTING THIS WORK (if applicable): Solutia		

PAGE 1 OF 1

STANDARD REPORT DELIVERY ●

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ○

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS / NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)	VOC 8260B	SVOC 8270C	PCB 680	PCB Dissolved 680							REMARKS
								HCl	none	none	none							
3/31/08	1030	~~PSMW~~ PMAMW04S-0308		X				3	2	2								
↓	—	TB03-0308		X				3										
3/31/08	1030	PMAMW04S-7-0308 *		X							2							

Sample 3/31/08

TEMP.: 3.2

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	3/31/08	12:30						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL SAVANNAH LOG NO.	LABORATORY REMARKS:
[signature]	040108	1130 ~~1230~~	YES ○ NO ○		68035499	* 4/1/08 confirmed w/ T. Adams, Diss. sample volume received for PCBs, added to COC. d. Rogers

STL8240-680 (12/02)

Appendix C

Quality Assurance Report

QUALITY ASSURANCE REPORT

Solutia Inc.
W.G. Krummrich Facility
Sauget, Illinois

PCB Mobility and Migration Investigation
1st Quarter 2008 Data Report

Prepared for

Solutia Inc.
575 Maryville Centre Drive
St. Louis, MO 63141

July 2008

URS Corporation
1001 Highland Plaza Drive West, Suite 300
St. Louis, MO 63100
(314) 429-0100
Project # 21561996.00001

1.0 INTRODUCTION 1

2.0 RECEIPT CONDITION AND SAMPLE HOLDING TIMES 3

3.0 TRIP BLANKS, LABORATORY METHOD AND EQUIPMENT BLANK SAMPLES 3

4.0 SURROGATE SPIKE RECOVERIES 4

5.0 LABORATORY CONTROL SAMPLES RECOVERIES 4

6.0 MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) SAMPLES 4

7.0 FIELD DUPLICATE RESULTS 5

8.0 INTERNAL STANDARD RESPONSES 5

9.0 RESULTS REPORTED FROM DILUTIONS 6

1.0 INTRODUCTION

This Quality Assurance Report presents the findings of a review of analytical data for groundwater samples collected in March 2008 at the Solutia W.G. Krummrich plant as part of the 1st Quarter 2008 PCB Mobility and Migration Investigation. The samples were collected by URS Corporation personnel and analyzed by TestAmerica Laboratories, Inc. (TestAmerica) located in Savannah, Georgia using USEPA methodologies. Samples were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and polychlorinated biphenyls (PCBs).

One hundred percent of the data were subjected to a data quality review (Level III validation). The Level III validations were performed in order to confirm that the analytical data provided by TestAmerica were acceptable in quality for their intended use.

A total of 11 samples (seven investigative groundwater samples, one field duplicate, one matrix spike and matrix spike duplicate (MS/MSD) pair, and one equipment blank) were analyzed by TestAmerica. These samples were analyzed as Sample Delivery Groups (SDGs) KPM015 utilizing the following USEPA Methods:

- Method 8260B for VOCs (including dichlorobenzenes due to potential volatilization losses associated with Method 8270C).
- Method 8270C for SVOCs
- Method 680 for PCBs

In addition, three trip blanks were included in the coolers that contained samples for VOC analysis and were analyzed for VOCs by USEPA SW-846 Method 8260B. Samples were reviewed following procedures outlined in the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, October 1999, and the PCB Mobility and Migration Investigation Work Plan, (October 2005).

The above guidelines provided the criteria to review the data. Additional quantitative criteria are given in the analytical methods. Qualifiers assigned by the data reviewer have been applied to the laboratory reporting forms (Form-1s). The qualifiers indicate data that did not meet acceptance criteria and corrective actions were not successful or not performed. The various qualifiers are explained in **Tables 1** and **2** below.

TABLE 1 Laboratory Data Qualifiers

Lab Qualifier	Definition
U	Analyte was not detected at or above the reporting limit.
*	LCS, LCSD, MS, MSD, MD or surrogate exceeds the control limits.
E	Result exceeded the calibration range, secondary dilution required.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
N	MS, MSD: Spike recovery exceeds upper or lower control limits.
H	Sample was prepped or analyzed beyond the specified holding time.
B	Compound was found in the blank and sample.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

TABLE 2 URS Data Qualifiers

URS Qualifier	Definition
U	The analyte was analyzed for but was not detected.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Based on the criteria outlined, it is recommended that the results reported for these analyses be accepted for their intended use. Acceptable levels of accuracy, precision, and representativeness (based on MS/MSD, LCS, surrogate compounds and field duplicate results) were achieved for this data set, except where noted in this report. In addition, analytical completeness, defined to be the percentage of analytical results which are judged to be valid, including estimated detect (**J**) or estimated non-detect (**UJ**) values was 100 percent, which meets the completeness goal of 95 percent.

The data review included evaluation of the following criteria:

Organics

- Receipt condition and sample holding times
- Laboratory method blanks, field equipment blanks and trip blank samples
- Surrogate spike recoveries
- Laboratory control sample (LCS) recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) sample recoveries and Relative Percent Difference (RPD) values
- Field duplicate results
- Results reported from dilutions
- Internal standard responses

2.0 RECEIPT CONDITION AND SAMPLE HOLDING TIMES

Sample holding time requirements for the analyses performed are presented in the methods and/or in the data review guidelines. Review of the sample collection, extraction and analysis dates involved comparing the chain-of-custody and the laboratory data summary forms for accuracy, consistency, and holding time compliance.

Extractions and/or analyses were completed within the recommended holding time requirements, with the exception of PCB sample PMAMW02S-0308-EB (7 days) was extracted outside holding time criteria (7 days). Sample PMAMW02S-0308-EB is an equipment blank; equipment blanks are quality control samples and are not qualified. PCB sample PMAMW04S-F-0308 (24 days) was re-extracted outside holding time criteria (7 days). Due to the stability of PCBs, professional judgment was used to not reject data.

Field ID	Parameter	Analyte	Qualification
PMAMW04S-F-0308	PCBs	All detects/nondetects	**J/UJ**

3.0 TRIP BLANKS, LABORATORY METHOD BLANK AND EQUIPMENT BLANK SAMPLES

Trip blank samples are used to assess VOC cross contamination of samples during shipment to the laboratory. One trip blank was submitted with each cooler shipped containing samples for VOC analyses for a total of two trip blank samples. All analytes were not detected in the trip blanks.

Laboratory method blank samples evaluate the existence and magnitude of contamination problems resulting from laboratory activities. All laboratory method blank samples were analyzed at the method prescribed frequencies. No analytes were detected in any of the method blanks.

Equipment blank samples are used to assess the effectiveness of equipment decontamination procedures. All equipment blank samples were nondetect with the exception of those in data reviews discussed further in **Appendix D**. Analytical data that required qualification based on equipment blank contamination are included in the table below. Analytical data that were reported nondetect or at concentrations greater than five times (5X) the associated blank concentration (10X for common laboratory contaminants) did not require qualification.

Field ID	Parameter	Analyte	New RL	Qualification
PMAMW03M-0308	VOCs	Benzene	23	**U**
PMAMW03M-0308	VOCs	Chlorobenzene	2.7	**U**

4.0 SURROGATE SPIKE RECOVERIES

Surrogate compounds are used to evaluate overall laboratory performance for sample preparation efficiency on a per sample basis. All samples analyzed for VOCs, SVOCs, and PCBs were spiked with surrogate compounds during sample preparation. USEPA National Functional Guidelines for Organic Data Review state how data is qualified, if surrogate spike recoveries do not meet evaluation criteria. Surrogate recoveries were within evaluation criteria with the exception of those surrogates in data reviews discussed further in **Appendix D**. No qualifications of data was required due to surrogate recoveries.

5.0 LABORATORY CONTROL SAMPLE RECOVERIES

Laboratory control samples (LCS) are analyzed with each analytical batch to assess the accuracy of the analytical process. All LCS recoveries were within evaluation criteria with the exception of the LCSs in the data reviews discussed further in **Appendix D**.

Analytical data that required qualification based on LCS recoveries are included in the table below. Data that was reported as nondetect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Also if the LCS was related to QA/QC samples such as trip blanks and MS/MSDs, no qualifiers were assigned. Qualifications due to LCS recoveries outside evaluation criteria are summarized in the table below.

Field ID	Parameter	Analyte	Qualification
PMAMW01S-0308	SVOCs	2,4-Dichloronitrobenzene	**UJ**
PMAMW01S-0308	SVOCs	3,4-Dichloronitrobenzene	**UJ**
PMAMW01M-0308	SVOCs	2,4-Dichloronitrobenzene	**UJ**
PMAMW01M-0308	SVOCs	3,4-Dichloronitrobenzene	**UJ**

6.0 MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) SAMPLES

MS/MSD samples are analyzed to assess the accuracy and precision of the analytical process on an analytical sample in a particular matrix. MS/MSD samples were required to be collected at a frequency of one per 20 investigative samples in accordance with the work plan. URS Corporation submitted one MS/MSD sample set for seven investigative samples, meeting the work plan frequency requirement.

No qualifications were made to the data if the MS/MSD percent recoveries were zero due to dilutions or if the percent RPD was the only factor outside of criteria. Also, USEPA National Functional Guidelines for Organic Data Review (October 1999) states that organic data should not be qualified based on MS/MSD criteria alone. Therefore, if recoveries were outside evaluation criteria due to matrix interference or abundance of analytes, no qualifiers were assigned unless these analytes had other quality control criteria outside evaluation criteria.

Sample PMAMW01S-0308 was spiked and analyzed for VOCs, SVOCs, PCBs and filtered PCBs. MS/MSD recoveries and RPDs that were outside evaluation criteria are discussed further in the data reviews in **Appendix D**. No qualification of data was required due to MS/MSD recoveries.

7.0 FIELD DUPLICATE RESULTS

Field duplicate results are used to evaluate precision of the entire data collection activity, including sampling, analysis and site heterogeneity. When results for both duplicate and sample values are greater than five times the practical quantitation limit (PQL), satisfactory precision is indicated by an RPD less than or equal to 25 percent for aqueous samples. Where one or both of the results of a field duplicate pair are reported at less than five times the PQL, satisfactory precision is indicated if the field duplicate results agree within 2.5 times the quantitation limit. Field duplicate results that do not meet these criteria may indicate unsatisfactory precision of the results.

One field duplicate sample was collected for the seven investigative samples. This satisfies the requirement in the work plan (one per 10 investigative samples or 10 percent). All field duplicate RPDs were within evaluation criteria with the exception of the field duplicates discussed further in data reviews in **Appendix D**. Qualifications based on field duplicates are summarized in the table below.

Field ID	Field Duplicate ID	Parameter	Analyte	RPD	Qualification
PMAMW03M-0308	PMAMW03M-0308-AD	VOCs	Benzene	**200**	**J**
PMAMW03M-0308	PMAMW03M-0308-AD	VOCs	Chlorobenzene	**199**	**J**
PMAMW03M-0308	PMAMW03M-0308-AD	VOCs	1,2-Dichlorobenzene	**200**	**J/UJ**
PMAMW03M-0308	PMAMW03M-0308-AD	VOCs	1,3-Dichlorobenzene	**200**	**J/UJ**
PMAMW03M-0308	PMAMW03M-0308-AD	VOCs	1,4-Dichlorobenzene	**200**	**J/UJ**
PMAMW03M-0308	PMAMW03M-0308-AD	VOCs	Ethylbenzene	**200**	**J/UJ**
PMAMW03M-0308	PMAMW03M-0308-AD	VOCs	Toluene	**200**	**J/UJ**
PMAMW03M-0308	PMAMW03M-0308-AD	SVOCs	4-Chloroaniline	**200**	**J/UJ**

8.0 INTERNAL STANDARD RESPONSES

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during each analytical run. IS areas must be within -50 percent to +100 percent for VOCs and SVOCs. For the PCBs (Method 680), the IS areas must be within +/- 30 percent of the preceding calibration verification (CV) IS value. Also, the IS retention times must be within 30 seconds of the preceding IS CV retention time. If the IS area count is outside criteria, Method 680 indicates the mean IS area obtained during the initial calibration (ICAL) (+/- 50 percent) should be used.

The internal standards area responses for the VOCs, SVOCs and PCBs were verified for the data reviews. IS responses met the criteria as described above, in samples with the exception of the IS responses in the data reviews discussed further in **Appendix D**. Qualifications based on IS responses were not required.

9.0 RESULTS REPORTED FROM DILUTIONS

VOC and SVOC samples were diluted and reanalyzed due to the original results exceeding the calibration range of the instrument. These results were qualified by the laboratory with "E" qualifiers. Data for the original runs were reported except for the data results that were "E" qualified. The samples that had "E" qualifiers were diluted and reanalyzed. The diluted sample results of the "E" qualifiers were the only results reported from the diluted samples.

Appendix D

Groundwater Analytical Results

SDG KPM015

Results of Samples from Wells:

PMAMW01S
PMAMW01M
PMAMW02S
PMAMW02M
PMAMW03S
PMAMW03M
PMAMW04S

Solutia Krummrich Data Review

Laboratory SDG: KPM015

Reviewer: Tony Sedlacek

Date Reviewed: 5/31/2008

Guidance: USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (USEPA 1999).

Applicable Work Plan: PCB Mobility and Migration Investigation Work Plan (URS 2005)

Sample Identification #	Sample Identification #
TB01-0308	PMAMW01S-0308
PMAMW01S-F-0308	PMAMW01M-0308
PMAMW01M-F-0308	TB02-0308
PMAMW02M-0308	PMAMW02M-F-0308
PMAMW02S-0308	PMAMW02S-F-0308
PMAMW03M-0308	PMAMW03M-F-0308
PMAMW03S-0308	PMAMW03S-F-0308
PMAMW03M-0308-AD	PMAMW03M-F-0308-AD
PMAMW02S-0308-EB	PMAMW02S-F-0308-EB
PMAMW04S-0308	TB03-0308
PMAMW04S-F-0308	

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Yes, the laboratory case narrative indicated that a PCB samples were re-extracted outside holding. SVOC and PCB surrogates in some samples were diluted out and not recovered. VOC and SVOC LCS recoveries were outside evaluation criteria. PCB internal standard recoveries were outside evaluation criteria. VOCs were detected in the equipment blank. VOC and SVOC MS/MSD recoveries were outside evaluation criteria. Some VOC, SVOC and PCB samples were diluted due to high levels of target analytes. Although not indicated it the laboratory case narrative,

VOCs and SVOCs parent and field duplicate samples were qualified due to relative percent difference. These issues are addressed further in the appropriate sections below.

The cooler receipt form indicated that one out of six 1-Liter ambers for samples PMAMW01S-F-0308 MSD, PMAMW02S-0308 and PMAMW02S-F-0308-EB were received broken by the laboratory. Sufficient sample volume was available to complete all requested analyses. Also, two out of three VOA vials for sample TB02-0308 were received by the laboratory with headspace. Analysis was completed on the remaining VOA vial without headspace. In addition, sample PMAMW04S-F-0308 was received by the laboratory for PCB analysis and PCB analysis was not requested on the COC. The laboratory contacted URS and URS confirmed PCB analysis for the listed samples. Upon review of the data, it appears sample containers collected from monitoring wells PMAMW03S and PMAMW03M were mislabeled during field sampling. Sample results associated with sample PMAMW03S-0308 are the sample results for PMAMW03M-0308 and have been reconciled on the Form 1's and in the report.

3.0 Holding Times

Were samples extracted/analyzed within QAPP limits?

No, PCB sample PMAMW02S-0308-EB (7 days) was extracted outside holding time criteria (7 days). Sample PMAMW02S-0308-EB is an equipment blank; equipment blanks are quality control samples and are not qualified. PCB sample PMAMW04S-F-0308 (24 days) was re-extracted outside holding time criteria (7 days). Due to the stability of PCBs, professional judgment was used to not reject data.

Field ID	Parameter	Analyte	Qualification
PMAMW04S-F-0308	PCBs	All detects/nondetects	**J/UJ**

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes

Blank ID	Parameter	Analyte	Concentration	Units
PMAMW02S-0308-EB	VOCs	Benzene	8.7	µg/L
PMAMW02S-0308-EB	VOCs	Chlorobenzene	17	µg/L
PMAMW02S-0308-EB	VOCs	1,4-Dichlorobenzene	1.0	µg/L

Qualifications due to blank contamination are included in the table below. Analytical data that were reported nondetect or at concentrations greater than five times (5X) the associated blank concentration (10X for common laboratory contaminants) did not require qualification.

Field ID	Parameter	Analyte	New RL	Qualification
PMAMW03S-0308	VOCs	Benzene	23	**U**
PMAMW03S-0308	VOCs	Chlorobenzene	2.7	**U**

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

No

LCS ID	Parameter	Analyte	LCS Recovery	RPD	LCS Criteria
680-102438	VOCs	Acetone	**205**	N/A	17-175
680-102438	VOCs	2-Butanone	**159**	N/A	33-157
680-102552	VOCs	Acetone	**189**	N/A	17-175
680-103044	VOCs	Carbon disulfide	**142**	N/A	55-131
680-101542	SVOCs	2,4-Dichloronitrobenzene	**69**	N/A	70-130
680-101542	SVOCs	3,4-Dichloronitrobenzene	**66**	N/A	70-130

Analytical data that required qualification based on LCS data are included in the table below. Analytical data which were reported as nondetect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
PMAMW01S-0308	SVOCs	2,4-Dichloronitrobenzene	**UJ**
PMAMW01S-0308	SVOCs	3,4-Dichloronitrobenzene	**UJ**
PMAMW01M-0308	SVOCs	2,4-Dichloronitrobenzene	**UJ**
PMAMW01M-0308	SVOCs	3,4-Dichloronitrobenzene	**UJ**

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No, PCB surrogate Decachlorobiphenyl-13C12 was diluted out and not recovered in samples PMAMW04S-0308, PMAMW04S-F-0308. SVOC surrogates 2-Fluorobiphenyl, 2-Fluorophenol, nitrobenzene-d_5, phenol-d_5 and terphenyl-d_{14} in

sample PMAMW02M-0308 were diluted out and not recovered. All SVOC surrogates in samples PMAMW03S-0308, PMAMW03M-0308-AD and PMAMW04S-0308 were diluted out and not recovered. No qualification of data was required.

Field ID	Parameter	Surrogate	Recovery	Criteria
PMAMW01M-0308	SVOCs	2-Fluorobiphenyl	**49**	50-113

Analytical data that required qualification based on surrogate data are included in the table below. Quality control samples were not qualified if surrogate recoveries were outside evaluation criteria. Since only one base/neutral fraction surrogate was outside criteria and Functional Guidelines indicates to qualify data if two or more surrogates per SVOC fraction are outside criteria, no qualification of the SVOC data was required.

Field ID	Parameter	Analyte	Qualification
N/A			

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples reported as part of this SDG?

Yes, sample PMAMW01S-0308 was spiked and analyzed for VOCs, SVOCs, and PCBs. Sample PMAMW01S-F-0308 was spiked and analyzed for PCBs.

Were MS/MSD recoveries within evaluation criteria?

No

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery	RPD	MS/MSD/RPD Criteria
PMAMW01S-0308	VOCs	Dibromomethane	**122/128**	5	78-119/30
PMAMW01S-0308	VOCs	Dichlorobromomethane	**137/135**	2	78-127/30
PMAMW01S-0308	VOCs	1,2-Dichloroethane	131/**134**	2	66-132/30
PMAMW01S-0308	VOCs	Ethylene Dibromide	**138/137**	1	80-121/30
PMAMW01S-0308	VOCs	Trans-1,2-Dichloroethene	**68/69**	1	72-131/30
PMAMW01S-0308	VOCs	trans-1,3-Dichloropropene	**134/137**	2	73-128/30
PMAMW01S-0308	VOCs	1,1,2-Trichloroethane	**125/129**	3	75-121/30
PMAMW01S-0308	VOCs	Vinyl chloride	59/**57**	2	59-144/50
PMAMW01S-0308	SVOCs	Aniline	46/**0**	**200**	10-114/40
PMAMW01S-0308	SVOCs	bis(2-chloroethyl)ether	**38**/52	30	43-110/40
PMAMW01S-0308	SVOCs	bis(chloroisopropyl) ether	**36**/50	32	42-110/40
PMAMW01S-0308	SVOCs	4-chloroaniline	50/22	**75**	10-110/40

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery	RPD	MS/MSD/RPD Criteria
PMAMW01S-0308	SVOCs	2-Chlorophenol	**40**/63	**46**	47-110/40
PMAMW01S-0308	SVOCs	Isophorone	**45**/61	30	50-111/40
PMAMW01S-0308	SVOCs	2-Methylphenol	**41**/64	**42**	46-110/40
PMAMW01S-0308	SVOCs	Nitrobenzene	46/**111**	**83**	46-110/40
PMAMW01S-0308	SVOCs	3 & 4 Methylphenol	43/65	**41**	43-110/40
PMAMW01S-0308	SVOCs	Phenol	**34**/56	**48**	39-110/40
PMAMW01S-0308	SVOCs	Pyridine	38/**0**	**200**	10-110/40
PMAMW01S-0308	SVOCs	1-Chloro-3-nitrobenzene	**56**/78	32	70-130/40
PMAMW01S-0308	SVOCs	2,4-Dichloronitrobenzene	**58**/74	24	70-130/40
PMAMW01S-0308	SVOCs	3,4-Dichloronitrobenzene	**57**/72	24	70-130/40
PMAMW01S-0308	SVOCs	2-chloronitrobenzene/4-chloronitrobenzene	**59**/79	29	70-130/40

Analytical data that required qualification based on MS/MSD data are included in the table below. USEPA National Functional Guidelines for Organic Data Review indicates that organic data should not be qualified based on MS/MSD data alone and LCS recoveries were within evaluation criteria, therefore no qualification of the data was required.

Field ID	Parameter	Analyte	Qualification
N/A			

8.0 Internal Standard (IS) Recoveries

Were internal standard area recoveries within evaluation criteria?

No

Field ID	Parameter	Analyte	IS Area Recovery	IS Criteria
PMAMW03M-F-0308-AD	PCBs	Chrysene-d_{12}	**35409**	18799-34911
PMAMW01M-F-0308	PCBs	Chrysene-d_{12}	**44494**	18799-34911
PMAMW01S-0308	PCBs	Chrysene-d_{12}	**54553**	29238-54300
PMAMW01M-0308	PCBs	Chrysene-d_{12}	**68855**	29238-54300
PMAMW03M-F-0308	PCBs	Chrysene-d_{12}	**63272**	66345-123211

Analytical data that required qualification based on IS data are included in the table below. Internal standard areas outside criteria in quality control samples did not require qualification. Analytical data which were reported as nondetect and associated with internal standard recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. Internal standard areas for chrysene-d_{12} recovered within the initial calibration average internal standard area for sample PMAMW03S-F-0308; therefore, no qualification of data was required.

Field ID	Parameter	Analyte	Qualification
N/A			

9.0 Laboratory Duplicate Results

Were laboratory duplicate samples collected as part of this SDG?

No

Were laboratory duplicate sample RPDs within criteria?

N/A

Field ID	Parameter	Analyte	RPD	Criteria
N/A				

Data qualified due to outlying laboratory duplicate recoveries are identified below:

Field ID	Parameter	Analyte	Qualification
N/A			

10.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

Yes

Field ID	Field Duplicate ID
PMAMW03S-F-0308	PMAMW03M-F-0308-AD
PMAMW03S-0308	PMAMW03M-0308-AD

Were field duplicates within evaluation criteria?

Yes

Field ID	Field Duplicate ID	Parameter	Analyte	RPD	Qualification
N/A					

11.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

No

The following table identifies the analyses which were reported as nondetect, diluted, and an undiluted run ***was not*** reported:

Field ID	Parameter	Dilution Factor
PMAMW01S-0308	VOCs	5
PMAMW01M-0308	VOCs	10
PMAMW02M-0308	VOCs	20
PMAMW02M-0308	VOCs	100
PMAMW03M-0308	VOCs	20
PMAMW03M-0308	VOCs	50
PMAMW03M-0308-AD	VOCs	20
PMAMW03M-0308-AD	VOCs	50
PMAMW04S-0308	PCBs	10
PMAMW04S-F-0308	PCBs	10
PMAMW02M-0308	SVOCs	5
PMAMW03M-0308	SVOCs	5
PMAMW03M-0308-AD	SVOCs	5

12.0 Additional Qualifications

Were additional qualifications applied?

No

SAMPLE RESULTS

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **TB01-0308**

Lab Sample ID: 680-35403-1TB
Client Matrix: Water

Date Sampled: 03/26/2008 0000
Date Received: 03/27/2008 1220

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/08/2008 1913
Date Prepared: 04/08/2008 1913

Analysis Batch: 680-102644

Instrument ID: GC/MS Volatiles - O
Lab File ID: o2125.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	25	U	25
Acetonitrile	40	U	40
Acrolein	20	U	20
Acrylonitrile	20	U	20
Benzene	1.0	U	1.0
Bromoform	1.0	U	1.0
Bromomethane	1.0	U	1.0
Carbon disulfide	2.0	U	2.0
Carbon tetrachloride	1.0	U	1.0
Chlorobenzene	1.0	U	1.0
2-Chloro-1,3-butadiene	1.0	U	1.0
Chlorodibromomethane	1.0	U	1.0
Chloroethane	1.0	U	1.0
Chloroform	1.0	U	1.0
Chloromethane	1.0	U	1.0
3-Chloro-1-propene	1.0	U	1.0
cis-1,3-Dichloropropene	1.0	U	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	1.0
Dibromomethane	1.0	U	1.0
1,2-Dichlorobenzene	1.0	U	1.0
1,3-Dichlorobenzene	1.0	U	1.0
1,4-Dichlorobenzene	1.0	U	1.0
Dichlorobromomethane	1.0	U	1.0
Dichlorodifluoromethane	1.0	U	1.0
1,1-Dichloroethane	1.0	U	1.0
1,2-Dichloroethane	1.0	U	1.0
1,1-Dichloroethene	1.0	U	1.0
1,2-Dichloropropane	1.0	U	1.0
Ethylbenzene	1.0	U	1.0
Ethylene Dibromide	1.0	U	1.0
Ethyl methacrylate	1.0	U	1.0
2-Hexanone	10	U	10
Iodomethane	5.0	U	5.0
Isobutyl alcohol	40	U	40
Methacrylonitrile	20	U	20
Methylene Chloride	5.0	U	5.0
2-Butanone (MEK)	10	U	10
4-Methyl-2-pentanone (MIBK)	10	U	10
Methyl methacrylate	1.0	U	1.0
Pentachloroethane	5.0	U	5.0
Propionitrile	20	U	20
Styrene	1.0	U	1.0
1,1,1,2-Tetrachloroethane	1.0	U	1.0
1,1,2,2-Tetrachloroethane	1.0	U	1.0

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **TB01-0308**

Lab Sample ID: 680-35403-1TB
Client Matrix: Water

Date Sampled: 03/26/2008 0000
Date Received: 03/27/2008 1220

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/08/2008 1913
Date Prepared: 04/08/2008 1913

Analysis Batch: 680-102644

Instrument ID: GC/MS Volatiles - O
Lab File ID: o2125.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Tetrachloroethene	1.0	U	1.0
Toluene	1.0	U	1.0
trans-1,4-Dichloro-2-butene	2.0	U	2.0
trans-1,2-Dichloroethene	1.0	U	1.0
trans-1,3-Dichloropropene	1.0	U	1.0
1,1,1-Trichloroethane	1.0	U	1.0
1,1,2-Trichloroethane	1.0	U	1.0
Trichloroethene	1.0	U	1.0
Trichlorofluoromethane	1.0	U	1.0
1,2,3-Trichloropropane	1.0	U	1.0
Vinyl acetate	2.0	U	2.0
Vinyl chloride	1.0	U	1.0
Xylenes, Total	2.0	U	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	97	75 - 120
Dibromofluoromethane	95	75 - 121
Toluene-d8 (Surr)	103	75 - 120

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW01S-0308**

Lab Sample ID: 680-35403-2
Client Matrix: Water

Date Sampled: 03/26/2008 1000
Date Received: 03/27/2008 1220

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 5.0
Date Analyzed: 04/08/2008 1941
Date Prepared: 04/08/2008 1941

Analysis Batch: 680-102644

Instrument ID: GC/MS Volatiles - O
Lab File ID: o2127.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	120	U	120
Acetonitrile	200	U	200
Acrolein	100	U	100
Acrylonitrile	100	U	100
Benzene	6.9		5.0
Bromoform	5.0	U	5.0
Bromomethane	5.0	U	5.0
Carbon disulfide	10	U	10
Carbon tetrachloride	5.0	U	5.0
Chlorobenzene	440		5.0
2-Chloro-1,3-butadiene	5.0	U	5.0
Chlorodibromomethane	5.0	U	5.0
Chloroethane	5.0	U	5.0
Chloroform	5.0	U	5.0
Chloromethane	5.0	U	5.0
3-Chloro-1-propene	5.0	U	5.0
cis-1,3-Dichloropropene	5.0	U	5.0
1,2-Dibromo-3-Chloropropane	5.0	U	5.0
Dibromomethane	5.0	U	5.0
1,2-Dichlorobenzene	14		5.0
1,3-Dichlorobenzene	5.0	U	5.0
1,4-Dichlorobenzene	59		5.0
Dichlorobromomethane	5.0	U	5.0
Dichlorodifluoromethane	5.0	U	5.0
1,1-Dichloroethane	5.0	U	5.0
1,2-Dichloroethane	5.0	U	5.0
1,1-Dichloroethene	5.0	U	5.0
1,2-Dichloropropane	5.0	U	5.0
Ethylbenzene	5.0	U	5.0
Ethylene Dibromide	5.0	U	5.0
Ethyl methacrylate	5.0	U	5.0
2-Hexanone	50	U	50
Iodomethane	25	U	25
Isobutyl alcohol	200	U	200
Methacrylonitrile	100	U	100
Methylene Chloride	25	U	25
2-Butanone (MEK)	50	U	50
4-Methyl-2-pentanone (MIBK)	50	U	50
Methyl methacrylate	5.0	U	5.0
Pentachloroethane	25	U	25
Propionitrile	100	U	100
Styrene	5.0	U	5.0
1,1,1,2-Tetrachloroethane	5.0	U	5.0
1,1,2,2-Tetrachloroethane	5.0	U	5.0

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW01S-0308**

Lab Sample ID: 680-35403-2
Client Matrix: Water

Date Sampled: 03/26/2008 1000
Date Received: 03/27/2008 1220

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 5.0
Date Analyzed: 04/08/2008 1941
Date Prepared: 04/08/2008 1941

Analysis Batch: 680-102644

Instrument ID: GC/MS Volatiles - O
Lab File ID: o2127.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Tetrachloroethene	5.0	U	5.0
Toluene	5.0	U	5.0
trans-1,4-Dichloro-2-butene	10	U	10
trans-1,2-Dichloroethene	5.0	U	5.0
trans-1,3-Dichloropropene	5.0	U	5.0
1,1,1-Trichloroethane	5.0	U	5.0
1,1,2-Trichloroethane	5.0	U	5.0
Trichloroethene	5.0	U	5.0
Trichlorofluoromethane	5.0	U	5.0
1,2,3-Trichloropropane	5.0	U	5.0
Vinyl acetate	10	U	10
Vinyl chloride	5.0	U	5.0
Xylenes, Total	10	U	10

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	101	75 - 120
Dibromofluoromethane	86	75 - 121
Toluene-d8 (Surr)	104	75 - 120

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW01M-0308**

Lab Sample ID: 680-35403-4
Client Matrix: Water

Date Sampled: 03/26/2008 1020
Date Received: 03/27/2008 1220

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 10
Date Analyzed: 04/08/2008 2010
Date Prepared: 04/08/2008 2010

Analysis Batch: 680-102644

Instrument ID: GC/MS Volatiles - O
Lab File ID: o2129.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	250	U	250
Acetonitrile	400	U	400
Acrolein	200	U	200
Acrylonitrile	200	U	200
Benzene	650		10
Bromoform	10	U	10
Bromomethane	10	U	10
Carbon disulfide	20	U	20
Carbon tetrachloride	10	U	10
Chlorobenzene	1100		10
2-Chloro-1,3-butadiene	10	U	10
Chlorodibromomethane	10	U	10
Chloroethane	10	U	10
Chloroform	10	U	10
Chloromethane	10	U	10
3-Chloro-1-propene	10	U	10
cis-1,3-Dichloropropene	10	U	10
1,2-Dibromo-3-Chloropropane	10	U	10
Dibromomethane	10	U	10
1,2-Dichlorobenzene	10	U	10
1,3-Dichlorobenzene	10	U	10
1,4-Dichlorobenzene	10	U	10
Dichlorobromomethane	10	U	10
Dichlorodifluoromethane	10	U	10
1,1-Dichloroethane	10	U	10
1,2-Dichloroethane	10	U	10
1,1-Dichloroethene	10	U	10
1,2-Dichloropropane	10	U	10
Ethylbenzene	10	U	10
Ethylene Dibromide	10	U	10
Ethyl methacrylate	10	U	10
2-Hexanone	100	U	100
Iodomethane	50	U	50
Isobutyl alcohol	400	U	400
Methacrylonitrile	200	U	200
Methylene Chloride	50	U	50
2-Butanone (MEK)	100	U	100
4-Methyl-2-pentanone (MIBK)	100	U	100
Methyl methacrylate	10	U	10
Pentachloroethane	50	U	50
Propionitrile	200	U	200
Styrene	10	U	10
1,1,1,2-Tetrachloroethane	10	U	10
1,1,2,2-Tetrachloroethane	10	U	10

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW01M-0308**

Lab Sample ID: 680-35403-4
Client Matrix: Water

Date Sampled: 03/26/2008 1020
Date Received: 03/27/2008 1220

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 10
Date Analyzed: 04/08/2008 2010
Date Prepared: 04/08/2008 2010

Analysis Batch: 680-102644

Instrument ID: GC/MS Volatiles - O
Lab File ID: o2129.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Tetrachloroethene	10	U	10
Toluene	10	U	10
trans-1,4-Dichloro-2-butene	20	U	20
trans-1,2-Dichloroethene	10	U	10
trans-1,3-Dichloropropene	10	U	10
1,1,1-Trichloroethane	10	U	10
1,1,2-Trichloroethane	10	U	10
Trichloroethene	10	U	10
Trichlorofluoromethane	10	U	10
1,2,3-Trichloropropane	10	U	10
Vinyl acetate	20	U	20
Vinyl chloride	10	U	10
Xylenes, Total	20	U	20

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	101	75 - 120
Dibromofluoromethane	87	75 - 121
Toluene-d8 (Surr)	106	75 - 120

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **TB02-0308**

Lab Sample ID: 680-35448-1TB
Client Matrix: Water

Date Sampled: 03/27/2008 0000
Date Received: 03/28/2008 1145

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/04/2008 1323
Date Prepared: 04/04/2008 1323

Analysis Batch: 680-102438

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2050.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	25	U *	25
Acetonitrile	40	U	40
Acrolein	20	U	20
Acrylonitrile	20	U	20
Benzene	1.0	U	1.0
Bromoform	1.0	U	1.0
Bromomethane	1.0	U	1.0
Carbon disulfide	2.0	U	2.0
Carbon tetrachloride	1.0	U	1.0
Chlorobenzene	1.0	U	1.0
2-Chloro-1,3-butadiene	1.0	U	1.0
Chlorodibromomethane	1.0	U	1.0
Chloroethane	1.0	U	1.0
Chloroform	1.0	U	1.0
Chloromethane	1.0	U	1.0
3-Chloro-1-propene	1.0	U	1.0
cis-1,3-Dichloropropene	1.0	U	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	1.0
Dibromomethane	1.0	U	1.0
1,2-Dichlorobenzene	1.0	U	1.0
1,3-Dichlorobenzene	1.0	U	1.0
1,4-Dichlorobenzene	1.0	U	1.0
Dichlorobromomethane	1.0	U	1.0
Dichlorodifluoromethane	1.0	U	1.0
1,1-Dichloroethane	1.0	U	1.0
1,2-Dichloroethane	1.0	U	1.0
1,1-Dichloroethene	1.0	U	1.0
1,2-Dichloropropane	1.0	U	1.0
Ethylbenzene	1.0	U	1.0
Ethylene Dibromide	1.0	U	1.0
Ethyl methacrylate	1.0	U	1.0
2-Hexanone	10	U	10
Iodomethane	5.0	U	5.0
Isobutyl alcohol	40	U	40
Methacrylonitrile	20	U	20
Methylene Chloride	5.0	U	5.0
2-Butanone (MEK)	10	U *	10
4-Methyl-2-pentanone (MIBK)	10	U	10
Methyl methacrylate	1.0	U	1.0
Pentachloroethane	5.0	U	5.0
Propionitrile	20	U	20
Styrene	1.0	U	1.0
1,1,1,2-Tetrachloroethane	1.0	U	1.0
1,1,2,2-Tetrachloroethane	1.0	U	1.0

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **TB02-0308**

Lab Sample ID: 680-35448-1TB
Client Matrix: Water

Date Sampled: 03/27/2008 0000
Date Received: 03/28/2008 1145

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/04/2008 1323
Date Prepared: 04/04/2008 1323

Analysis Batch: 680-102438

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2050.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Tetrachloroethene	1.0	U	1.0
Toluene	1.0	U	1.0
trans-1,4-Dichloro-2-butene	2.0	U	2.0
trans-1,2-Dichloroethene	1.0	U	1.0
trans-1,3-Dichloropropene	1.0	U	1.0
1,1,1-Trichloroethane	1.0	U	1.0
1,1,2-Trichloroethane	1.0	U	1.0
Trichloroethene	1.0	U	1.0
Trichlorofluoromethane	1.0	U	1.0
1,2,3-Trichloropropane	1.0	U	1.0
Vinyl acetate	2.0	U	2.0
Vinyl chloride	1.0	U	1.0
Xylenes, Total	2.0	U	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	91	75 - 120
Dibromofluoromethane	86	75 - 121
Toluene-d8 (Surr)	101	75 - 120

*Do not use this data. Use all other data.

Analytical Data

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02M-0308**

Lab Sample ID: 680-35448-2
Client Matrix: Water

Date Sampled: 03/27/2008 0905
Date Received: 03/28/2008 1145

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 20
Date Analyzed: 04/04/2008 1547
Date Prepared: 04/04/2008 1547

Analysis Batch: 680-102438

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2060.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	500	U *	500
Acetonitrile	800	U	800
Acrolein	400	U	400
Acrylonitrile	400	U	400
* ~~Benzene~~	~~5400~~	~~E~~	~~20~~
Bromoform	20	U	20
Bromomethane	20	U	20
Carbon disulfide	40	U	40
Carbon tetrachloride	20	U	20
* ~~Chlorobenzene~~	~~7100~~	~~E~~	~~20~~
2-Chloro-1,3-butadiene	20	U	20
Chlorodibromomethane	20	U	20
Chloroethane	20	U	20
Chloroform	20	U	20
Chloromethane	20	U	20
3-Chloro-1-propene	20	U	20
cis-1,3-Dichloropropene	20	U	20
1,2-Dibromo-3-Chloropropane	20	U	20
Dibromomethane	20	U	20
1,2-Dichlorobenzene	20	U	20
1,3-Dichlorobenzene	20	U	20
1,4-Dichlorobenzene	20	U	20
Dichlorobromomethane	20	U	20
Dichlorodifluoromethane	20	U	20
1,1-Dichloroethane	20	U	20
1,2-Dichloroethane	20	U	20
1,1-Dichloroethene	20	U	20
1,2-Dichloropropane	20	U	20
Ethylbenzene	20	U	20
Ethylene Dibromide	20	U	20
Ethyl methacrylate	20	U	20
2-Hexanone	200	U	200
Iodomethane	100	U	100
Isobutyl alcohol	800	U	800
Methacrylonitrile	400	U	400
Methylene Chloride	100	U	100
2-Butanone (MEK)	200	U *	200
4-Methyl-2-pentanone (MIBK)	200	U	200
Methyl methacrylate	20	U	20
Pentachloroethane	100	U	100
Propionitrile	400	U	400
Styrene	20	U	20
1,1,1,2-Tetrachloroethane	20	U	20
1,1,2,2-Tetrachloroethane	20	U	20

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02M-0308**

Lab Sample ID: 680-35448-2
Client Matrix: Water

Date Sampled: 03/27/2008 0905
Date Received: 03/28/2008 1145

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 20
Date Analyzed: 04/04/2008 1547
Date Prepared: 04/04/2008 1547

Analysis Batch: 680-102438

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2060.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Tetrachloroethene	20	U	20
Toluene	20	U	20
trans-1,4-Dichloro-2-butene	40	U	40
trans-1,2-Dichloroethene	20	U	20
trans-1,3-Dichloropropene	20	U	20
1,1,1-Trichloroethane	20	U	20
1,1,2-Trichloroethane	20	U	20
Trichloroethene	20	U	20
Trichlorofluoromethane	20	U	20
1,2,3-Trichloropropane	20	U	20
Vinyl acetate	40	U	40
Vinyl chloride	20	U	20
Xylenes, Total	40	U	40

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	96	75 - 120
Dibromofluoromethane	83	75 - 121
Toluene-d8 (Surr)	103	75 - 120

*Use this data only. All other data was reported from the 20X diluted analysis.

Analytical Data

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02M-0308**

Lab Sample ID: 680-35448-2
Client Matrix: Water

Date Sampled: 03/27/2008 0905
Date Received: 03/28/2008 1145

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 100
Date Analyzed: 04/07/2008 1738
Date Prepared: 04/07/2008 1738

Analysis Batch: 680-102552
Run Type: DL

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2092.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	2500	U *	2500
Acetonitrile	4000	U	4000
Acrolein	2000	U	2000
Acrylonitrile	2000	U	2000
* Benzene	5500	D	100
Bromoform	100	U	100
Bromomethane	100	U	100
Carbon disulfide	200	U	200
Carbon tetrachloride	100	U	100
* Chlorobenzene	7900	D	100
2-Chloro-1,3-butadiene	100	U	100
Chlorodibromomethane	100	U	100
Chloroethane	100	U	100
Chloroform	100	U	100
Chloromethane	100	U	100
3-Chloro-1-propene	100	U	100
cis-1,3-Dichloropropene	100	U	100
1,2-Dibromo-3-Chloropropane	100	U	100
Dibromomethane	100	U	100
1,2-Dichlorobenzene	100	U	100
1,3-Dichlorobenzene	100	U	100
1,4-Dichlorobenzene	100	U	100
Dichlorobromomethane	100	U	100
Dichlorodifluoromethane	100	U	100
1,1-Dichloroethane	100	U	100
1,2-Dichloroethane	100	U	100
1,1-Dichloroethene	100	U	100
1,2-Dichloropropane	100	U	100
Ethylbenzene	100	U	100
Ethylene Dibromide	100	U	100
Ethyl methacrylate	100	U	100
2-Hexanone	1000	U	1000
Iodomethane	500	U	500
Isobutyl alcohol	4000	U	4000
Methacrylonitrile	2000	U	2000
Methylene Chloride	500	U	500
2-Butanone (MEK)	1000	U	1000
4-Methyl-2-pentanone (MIBK)	1000	U	1000
Methyl methacrylate	100	U	100
Pentachloroethane	500	U	500
Propionitrile	2000	U	2000
Styrene	100	U	100
1,1,1,2-Tetrachloroethane	100	U	100
1,1,2,2-Tetrachloroethane	100	U	100

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02M-0308**

Lab Sample ID: 680-35448-2
Client Matrix: Water

Date Sampled: 03/27/2008 0905
Date Received: 03/28/2008 1145

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 100
Date Analyzed: 04/07/2008 1738
Date Prepared: 04/07/2008 1738

Analysis Batch: 680-102552
Run Type: DL

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2092.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Tetrachloroethene	100	U	100
Toluene	100	U	100
trans-1,4-Dichloro-2-butene	200	U	200
trans-1,2-Dichloroethene	100	U	100
trans-1,3-Dichloropropene	100	U	100
1,1,1-Trichloroethane	100	U	100
1,1,2-Trichloroethane	100	U	100
Trichloroethene	100	U	100
Trichlorofluoromethane	100	U	100
1,2,3-Trichloropropane	100	U	100
Vinyl acetate	200	U	200
Vinyl chloride	100	U	100
Xylenes, Total	200	U	200

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	96	75 - 120
Dibromofluoromethane	78	75 - 121
Toluene-d8 (Surr)	102	75 - 120

*Do not use "E" flagged data. Use all other data.

Analytical Data

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02S-0308**

Lab Sample ID: 680-35448-4
Client Matrix: Water

Date Sampled: 03/27/2008 1145
Date Received: 03/28/2008 1145

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/04/2008 1616
Date Prepared: 04/04/2008 1616

Analysis Batch: 680-102438

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2062.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	25	U *	25
Acetonitrile	40	U	40
Acrolein	20	U	20
Acrylonitrile	20	U	20
Benzene	81		1.0
Bromoform	1.0	U	1.0
Bromomethane	1.0	U	1.0
Carbon disulfide	2.0	U	2.0
Carbon tetrachloride	1.0	U	1.0
Chlorobenzene	180		1.0
2-Chloro-1,3-butadiene	1.0	U	1.0
Chlorodibromomethane	1.0	U	1.0
Chloroethane	1.0	U	1.0
Chloroform	1.0	U	1.0
Chloromethane	1.0	U	1.0
3-Chloro-1-propene	1.0	U	1.0
cis-1,3-Dichloropropene	1.0	U	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	1.0
Dibromomethane	1.0	U	1.0
* ~~1,2-Dichlorobenzene~~	~~800~~	~~E~~	~~1.0~~
1,3-Dichlorobenzene	55		1.0
* ~~1,4-Dichlorobenzene~~	~~400~~	~~E~~	~~1.0~~
Dichlorobromomethane	1.0	U	1.0
Dichlorodifluoromethane	1.0	U	1.0
1,1-Dichloroethane	1.0	U	1.0
1,2-Dichloroethane	1.0	U	1.0
1,1-Dichloroethene	1.0	U	1.0
1,2-Dichloropropane	1.0	U	1.0
Ethylbenzene	1.0	U	1.0
Ethylene Dibromide	1.0	U	1.0
Ethyl methacrylate	1.0	U	1.0
2-Hexanone	10	U	10
Iodomethane	5.0	U	5.0
Isobutyl alcohol	40	U	40
Methacrylonitrile	20	U	20
Methylene Chloride	5.0	U	5.0
2-Butanone (MEK)	10	U *	10
4-Methyl-2-pentanone (MIBK)	10	U	10
Methyl methacrylate	1.0	U	1.0
Pentachloroethane	5.0	U	5.0
Propionitrile	20	U	20
Styrene	1.0	U	1.0
1,1,1,2-Tetrachloroethane	1.0	U	1.0
1,1,2,2-Tetrachloroethane	1.0	U	1.0

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02S-0308**

Lab Sample ID: 680-35448-4
Client Matrix: Water

Date Sampled: 03/27/2008 1145
Date Received: 03/28/2008 1145

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/04/2008 1616
Date Prepared: 04/04/2008 1616

Analysis Batch: 680-102438

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2062.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Tetrachloroethene	1.0	U	1.0
Toluene	1.0	U	1.0
trans-1,4-Dichloro-2-butene	2.0	U	2.0
trans-1,2-Dichloroethene	1.0	U	1.0
trans-1,3-Dichloropropene	1.0	U	1.0
1,1,1-Trichloroethane	1.0	U	1.0
1,1,2-Trichloroethane	1.0	U	1.0
Trichloroethene	1.0	U	1.0
Trichlorofluoromethane	1.0	U	1.0
1,2,3-Trichloropropane	1.0	U	1.0
Vinyl acetate	2.0	U	2.0
Vinyl chloride	1.0	U	1.0
Xylenes, Total	2.0	U	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	90	75 - 120
Dibromofluoromethane	86	75 - 121
Toluene-d8 (Surr)	101	75 - 120

*Use this data only. All other data was reported from the undiluted analysis.

Analytical Data

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02S-0308**

Lab Sample ID: 680-35448-4
Client Matrix: Water

Date Sampled: 03/27/2008 1145
Date Received: 03/28/2008 1145

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch: 680-102552		Instrument ID:	GC/MS Volatiles - O C2
Preparation:	5030B			Lab File ID:	o2094.d
Dilution:	10			Initial Weight/Volume:	5 mL
Date Analyzed:	04/07/2008 1807	Run Type:	DL	Final Weight/Volume:	5 mL
Date Prepared:	04/07/2008 1807				

Analyte	Result (ug/L)	Qualifier	RL
Acetone	250	U *	250
Acetonitrile	400	U	400
Acrolein	200	U	200
Acrylonitrile	200	U	200
Benzene	51	D	10
Bromoform	10	U	10
Bromomethane	10	U	10
Carbon disulfide	20	U	20
Carbon tetrachloride	10	U	10
Chlorobenzene	93	D	10
2-Chloro-1,3-butadiene	10	U	10
Chlorodibromomethane	10	U	10
Chloroethane	10	U	10
Chloroform	10	U	10
Chloromethane	10	U	10
3-Chloro-1-propene	10	U	10
cis-1,3-Dichloropropene	10	U	10
1,2-Dibromo-3-Chloropropane	10	U	10
Dibromomethane	10	U	10
* 1,2-Dichlorobenzene	530	D	10
1,3-Dichlorobenzene	27	D	10
* 1,4-Dichlorobenzene	230	D	10
Dichlorobromomethane	10	U	10
Dichlorodifluoromethane	10	U	10
1,1-Dichloroethane	10	U	10
1,2-Dichloroethane	10	U	10
1,1-Dichloroethene	10	U	10
1,2-Dichloropropane	10	U	10
Ethylbenzene	10	U	10
Ethylene Dibromide	10	U	10
Ethyl methacrylate	10	U	10
2-Hexanone	100	U	100
Iodomethane	50	U	50
Isobutyl alcohol	400	U	400
Methacrylonitrile	200	U	200
Methylene Chloride	50	U	50
2-Butanone (MEK)	100	U	100
4-Methyl-2-pentanone (MIBK)	100	U	100
Methyl methacrylate	10	U	10
Pentachloroethane	50	U	50
Propionitrile	200	U	200
Styrene	10	U	10
1,1,1,2-Tetrachloroethane	10	U	10
1,1,2,2-Tetrachloroethane	10	U	10

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02S-0308**

Lab Sample ID: 680-35448-4
Client Matrix: Water

Date Sampled: 03/27/2008 1145
Date Received: 03/28/2008 1145

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 10
Date Analyzed: 04/07/2008 1807
Date Prepared: 04/07/2008 1807

Analysis Batch: 680-102552
Run Type: DL

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2094.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Tetrachloroethene	10	U	10
Toluene	10	U	10
trans-1,4-Dichloro-2-butene	20	U	20
trans-1,2-Dichloroethene	10	U	10
trans-1,3-Dichloropropene	10	U	10
1,1,1-Trichloroethane	10	U	10
1,1,2-Trichloroethane	10	U	10
Trichloroethene	10	U	10
Trichlorofluoromethane	10	U	10
1,2,3-Trichloropropane	10	U	10
Vinyl acetate	20	U	20
Vinyl chloride	10	U	10
Xylenes, Total	20	U	20

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	94	75 - 120
Dibromofluoromethane	79	75 - 121
Toluene-d8 (Surr)	102	75 - 120

* Do not use "E" flagged data. Use all other data.

Analytical Data

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: PMAMW03~~S~~M-0308

Lab Sample ID: 680-35448-6
Client Matrix: Water

Date Sampled: 03/27/2008 1530
Date Received: 03/28/2008 1145

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 20
Date Analyzed: 04/04/2008 1645
Date Prepared: 04/04/2008 1645

Analysis Batch: 680-102438

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2064.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	500	U *	500
Acetonitrile	800	U	800
Acrolein	400	U	400
Acrylonitrile	400	U	400
* ~~Benzene~~	~~5000~~	~~E~~	~~20~~
Bromoform	20	U	20
Bromomethane	20	U	20
Carbon disulfide	40	U	40
Carbon tetrachloride	20	U	20
Chlorobenzene	1400		20
2-Chloro-1,3-butadiene	20	U	20
Chlorodibromomethane	20	U	20
Chloroethane	20	U	20
Chloroform	20	U	20
Chloromethane	20	U	20
3-Chloro-1-propene	20	U	20
cis-1,3-Dichloropropene	20	U	20
1,2-Dibromo-3-Chloropropane	20	U	20
Dibromomethane	20	U	20
1,2-Dichlorobenzene	270		20
1,3-Dichlorobenzene	49		20
1,4-Dichlorobenzene	480		20
Dichlorobromomethane	20	U	20
Dichlorodifluoromethane	20	U	20
1,1-Dichloroethane	20	U	20
1,2-Dichloroethane	20	U	20
1,1-Dichloroethene	20	U	20
1,2-Dichloropropane	20	U	20
Ethylbenzene	76		20
Ethylene Dibromide	20	U	20
Ethyl methacrylate	20	U	20
2-Hexanone	200	U	200
Iodomethane	100	U	100
Isobutyl alcohol	800	U	800
Methacrylonitrile	400	U	400
Methylene Chloride	100	U	100
2-Butanone (MEK)	200	U *	200
4-Methyl-2-pentanone (MIBK)	200	U	200
Methyl methacrylate	20	U	20
Pentachloroethane	100	U	100
Propionitrile	400	U	400
Styrene	20	U	20
1,1,1,2-Tetrachloroethane	20	U	20
1,1,2,2-Tetrachloroethane	20	U	20

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW03~~S~~M-0308**

Lab Sample ID: 680-35448-6
Client Matrix: Water

Date Sampled: 03/27/2008 1530
Date Received: 03/28/2008 1145

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 20
Date Analyzed: 04/04/2008 1645
Date Prepared: 04/04/2008 1645

Analysis Batch: 680-102438

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2064.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Tetrachloroethene	20	U	20
Toluene	25		20
trans-1,4-Dichloro-2-butene	40	U	40
trans-1,2-Dichloroethene	20	U	20
trans-1,3-Dichloropropene	20	U	20
1,1,1-Trichloroethane	20	U	20
1,1,2-Trichloroethane	20	U	20
Trichloroethene	20	U	20
Trichlorofluoromethane	20	U	20
1,2,3-Trichloropropane	20	U	20
Vinyl acetate	40	U	40
Vinyl chloride	20	U	20
Xylenes, Total	210		40

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	95	75 - 120
Dibromofluoromethane	78	75 - 121
Toluene-d8 (Surr)	102	75 - 120

*Use this data only. All other data was reported from the 20x diluted analysis.

Analytical Data

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: PMAMW03~~5~~M-0308

Lab Sample ID: 680-35448-6
Client Matrix: Water

Date Sampled: 03/27/2008 1530
Date Received: 03/28/2008 1145

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch: 680-102552		Instrument ID:	GC/MS Volatiles - O C2
Preparation:	5030B			Lab File ID:	o2096.d
Dilution:	50			Initial Weight/Volume:	5 mL
Date Analyzed:	04/07/2008 1836	Run Type:	DL	Final Weight/Volume:	5 mL
Date Prepared:	04/07/2008 1836				

Analyte	Result (ug/L)	Qualifier	RL
Acetone	1200	U *	1200
Acetonitrile	2000	U	2000
Acrolein	1000	U	1000
Acrylonitrile	1000	U	1000
* Benzene	5400	D	50
Bromoform	50	U	50
Bromomethane	50	U	50
Carbon disulfide	100	U	100
Carbon tetrachloride	50	U	50
Chlorobenzene	1400	D	50
2-Chloro-1,3-butadiene	50	U	50
Chlorodibromomethane	50	U	50
Chloroethane	50	U	50
Chloroform	50	U	50
Chloromethane	50	U	50
3-Chloro-1-propene	50	U	50
cis-1,3-Dichloropropene	50	U	50
1,2-Dibromo-3-Chloropropane	50	U	50
Dibromomethane	50	U	50
1,2-Dichlorobenzene	190	D	50
1,3-Dichlorobenzene	50	U	50
1,4-Dichlorobenzene	470	D	50
Dichlorobromomethane	50	U	50
Dichlorodifluoromethane	50	U	50
1,1-Dichloroethane	50	U	50
1,2-Dichloroethane	50	U	50
1,1-Dichloroethene	50	U	50
1,2-Dichloropropane	50	U	50
Ethylbenzene	86	D	50
Ethylene Dibromide	50	U	50
Ethyl methacrylate	50	U	50
2-Hexanone	500	U	500
Iodomethane	250	U	250
Isobutyl alcohol	2000	U	2000
Methacrylonitrile	1000	U	1000
Methylene Chloride	250	U	250
2-Butanone (MEK)	500	U	500
4-Methyl-2-pentanone (MIBK)	500	U	500
Methyl methacrylate	50	U	50
Pentachloroethane	250	U	250
Propionitrile	1000	U	1000
Styrene	50	U	50
1,1,1,2-Tetrachloroethane	50	U	50
1,1,2,2-Tetrachloroethane	50	U	50

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW03S-0308**

Lab Sample ID: 680-35448-6
Client Matrix: Water

Date Sampled: 03/27/2008 1530
Date Received: 03/28/2008 1145

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch: 680-102552		Instrument ID:	GC/MS Volatiles - O C2
Preparation:	5030B			Lab File ID:	o2096.d
Dilution:	50			Initial Weight/Volume:	5 mL
Date Analyzed:	04/07/2008 1836	Run Type:	DL	Final Weight/Volume:	5 mL
Date Prepared:	04/07/2008 1836				

Analyte	Result (ug/L)	Qualifier	RL
Tetrachloroethene	50	U	50
Toluene	50	U	50
trans-1,4-Dichloro-2-butene	100	U	100
trans-1,2-Dichloroethene	50	U	50
trans-1,3-Dichloropropene	50	U	50
1,1,1-Trichloroethane	50	U	50
1,1,2-Trichloroethane	50	U	50
Trichloroethene	50	U	50
Trichlorofluoromethane	50	U	50
1,2,3-Trichloropropane	50	U	50
Vinyl acetate	100	U	100
Vinyl chloride	50	U	50
Xylenes, Total	230	D	100

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	94	75 - 120
Dibromofluoromethane	77	75 - 121
Toluene-d8 (Surr)	105	75 - 120

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW03S-0308**

Lab Sample ID: 680-35448-8
Client Matrix: Water

Date Sampled: 03/27/2008 1430
Date Received: 03/28/2008 1145

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/07/2008 2100
Date Prepared: 04/07/2008 2100

Analysis Batch: 680-102552

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2106.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	25	U *	25
Acetonitrile	40	U	40
Acrolein	20	U	20
Acrylonitrile	20	U	20
Benzene	ND 0.0 ~~23~~	"U"	1.0
Bromoform	1.0	U	1.0
Bromomethane	1.0	U	1.0
Carbon disulfide	2.0	U	2.0
Carbon tetrachloride	1.0	U	1.0
Chlorobenzene	ND 0.0 ~~2.7~~	"U"	1.0
2-Chloro-1,3-butadiene	1.0	U	1.0
Chlorodibromomethane	1.0	U	1.0
Chloroethane	1.0	U	1.0
Chloroform	1.0	U	1.0
Chloromethane	1.0	U	1.0
3-Chloro-1-propene	1.0	U	1.0
cis-1,3-Dichloropropene	1.0	U	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	1.0
Dibromomethane	1.0	U	1.0
1,2-Dichlorobenzene	1.0	U	1.0
1,3-Dichlorobenzene	1.0	U	1.0
1,4-Dichlorobenzene	1.0	U	1.0
Dichlorobromomethane	1.0	U	1.0
Dichlorodifluoromethane	1.0	U	1.0
1,1-Dichloroethane	1.0	U	1.0
1,2-Dichloroethane	1.0	U	1.0
1,1-Dichloroethene	1.0	U	1.0
1,2-Dichloropropane	1.0	U	1.0
Ethylbenzene	1.0	U	1.0
Ethylene Dibromide	1.0	U	1.0
Ethyl methacrylate	1.0	U	1.0
2-Hexanone	10	U	10
Iodomethane	5.0	U	5.0
Isobutyl alcohol	40	U	40
Methacrylonitrile	20	U	20
Methylene Chloride	5.0	U	5.0
2-Butanone (MEK)	10	U	10
4-Methyl-2-pentanone (MIBK)	10	U	10
Methyl methacrylate	1.0	U	1.0
Pentachloroethane	5.0	U	5.0
Propionitrile	20	U	20
Styrene	1.0	U	1.0
1,1,1,2-Tetrachloroethane	1.0	U	1.0
1,1,2,2-Tetrachloroethane	1.0	U	1.0

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: PMAMW03S-0308

Lab Sample ID: 680-35448-8
Client Matrix: Water

Date Sampled: 03/27/2008 1430
Date Received: 03/28/2008 1145

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/07/2008 2100
Date Prepared: 04/07/2008 2100

Analysis Batch: 680-102552

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2106.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Tetrachloroethene	1.0	U	1.0
Toluene	1.0	U	1.0
trans-1,4-Dichloro-2-butene	2.0	U	2.0
trans-1,2-Dichloroethene	1.0	U	1.0
trans-1,3-Dichloropropene	1.0	U	1.0
1,1,1-Trichloroethane	1.0	U	1.0
1,1,2-Trichloroethane	1.0	U	1.0
Trichloroethene	1.0	U	1.0
Trichlorofluoromethane	1.0	U	1.0
1,2,3-Trichloropropane	1.0	U	1.0
Vinyl acetate	2.0	U	2.0
Vinyl chloride	1.0	U	1.0
Xylenes, Total	2.0	U	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	93	75 - 120
Dibromofluoromethane	83	75 - 121
Toluene-d8 (Surr)	100	75 - 120

* Do not use "E" flagged data. Use all other data

Analytical Data

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW03M-0308-AD**

Lab Sample ID: 680-35448-10FD
Client Matrix: Water

Date Sampled: 03/27/2008 1430
Date Received: 03/28/2008 1145

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 20
Date Analyzed: 04/04/2008 1743
Date Prepared: 04/04/2008 1743

Analysis Batch: 680-102438

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2068.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	500	U *	500
Acetonitrile	800	U	800
Acrolein	400	U	400
Acrylonitrile	400	U	400
* ~~Benzene~~	~~4700~~	~~E~~	~~20~~
Bromoform	20	U	20
Bromomethane	20	U	20
Carbon disulfide	40	U	40
Carbon tetrachloride	20	U	20
Chlorobenzene	1300		20
2-Chloro-1,3-butadiene	20	U	20
Chlorodibromomethane	20	U	20
Chloroethane	20	U	20
Chloroform	20	U	20
Chloromethane	20	U	20
3-Chloro-1-propene	20	U	20
cis-1,3-Dichloropropene	20	U	20
1,2-Dibromo-3-Chloropropane	20	U	20
Dibromomethane	20	U	20
1,2-Dichlorobenzene	180		20
1,3-Dichlorobenzene	44		20
1,4-Dichlorobenzene	460		20
Dichlorobromomethane	20	U	20
Dichlorodifluoromethane	20	U	20
1,1-Dichloroethane	20	U	20
1,2-Dichloroethane	20	U	20
1,1-Dichloroethene	20	U	20
1,2-Dichloropropane	20	U	20
Ethylbenzene	80		20
Ethylene Dibromide	20	U	20
Ethyl methacrylate	20	U	20
2-Hexanone	200	U	200
Iodomethane	100	U	100
Isobutyl alcohol	800	U	800
Methacrylonitrile	400	U	400
Methylene Chloride	100	U	100
2-Butanone (MEK)	200	U *	200
4-Methyl-2-pentanone (MIBK)	200	U	200
Methyl methacrylate	20	U	20
Pentachloroethane	100	U	100
Propionitrile	400	U	400
Styrene	20	U	20
1,1,1,2-Tetrachloroethane	20	U	20
1,1,2,2-Tetrachloroethane	20	U	20

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW03M-0308-AD**

Lab Sample ID: 680-35448-10FD
Client Matrix: Water

Date Sampled: 03/27/2008 1430
Date Received: 03/28/2008 1145

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 20
Date Analyzed: 04/04/2008 1743
Date Prepared: 04/04/2008 1743

Analysis Batch: 680-102438

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2068.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Tetrachloroethene	20	U	20
Toluene	23		20
trans-1,4-Dichloro-2-butene	40	U	40
trans-1,2-Dichloroethene	20	U	20
trans-1,3-Dichloropropene	20	U	20
1,1,1-Trichloroethane	20	U	20
1,1,2-Trichloroethane	20	U	20
Trichloroethene	20	U	20
Trichlorofluoromethane	20	U	20
1,2,3-Trichloropropane	20	U	20
Vinyl acetate	40	U	40
Vinyl chloride	20	U	20
Xylenes, Total	210		40

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	95	75 - 120
Dibromofluoromethane	81	75 - 121
Toluene-d8 (Surr)	104	75 - 120

* Use this data only. All other data was reported from the 20x diluted analysis.

Analytical Data

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW03M-0308-AD**

Lab Sample ID: 680-35448-10FD
Client Matrix: Water

Date Sampled: 03/27/2008 1430
Date Received: 03/28/2008 1145

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 50
Date Analyzed: 04/07/2008 1905
Date Prepared: 04/07/2008 1905

Analysis Batch: 680-102552
Run Type: DL

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2098.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	1200	U *	1200
Acetonitrile	2000	U	2000
Acrolein	1000	U	1000
Acrylonitrile	1000	U	1000
* Benzene	5000	D	50
Bromoform	50	U	50
Bromomethane	50	U	50
Carbon disulfide	100	U	100
Carbon tetrachloride	50	U	50
Chlorobenzene	1400	D	50
2-Chloro-1,3-butadiene	50	U	50
Chlorodibromomethane	50	U	50
Chloroethane	50	U	50
Chloroform	50	U	50
Chloromethane	50	U	50
3-Chloro-1-propene	50	U	50
cis-1,3-Dichloropropene	50	U	50
1,2-Dibromo-3-Chloropropane	50	U	50
Dibromomethane	50	U	50
1,2-Dichlorobenzene	190	D	50
1,3-Dichlorobenzene	50	U	50
1,4-Dichlorobenzene	490	D	50
Dichlorobromomethane	50	U	50
Dichlorodifluoromethane	50	U	50
1,1-Dichloroethane	50	U	50
1,2-Dichloroethane	50	U	50
1,1-Dichloroethene	50	U	50
1,2-Dichloropropane	50	U	50
Ethylbenzene	86	D	50
Ethylene Dibromide	50	U	50
Ethyl methacrylate	50	U	50
2-Hexanone	500	U	500
Iodomethane	250	U	250
Isobutyl alcohol	2000	U	2000
Methacrylonitrile	1000	U	1000
Methylene Chloride	250	U	250
2-Butanone (MEK)	500	U	500
4-Methyl-2-pentanone (MIBK)	500	U	500
Methyl methacrylate	50	U	50
Pentachloroethane	250	U	250
Propionitrile	1000	U	1000
Styrene	50	U	50
1,1,1,2-Tetrachloroethane	50	U	50
1,1,2,2-Tetrachloroethane	50	U	50

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW03M-0308-AD**

Lab Sample ID: 680-35448-10FD
Client Matrix: Water

Date Sampled: 03/27/2008 1430
Date Received: 03/28/2008 1145

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 50
Date Analyzed: 04/07/2008 1905
Date Prepared: 04/07/2008 1905

Analysis Batch: 680-102552
Run Type: DL

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2098.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Tetrachloroethene	50	U	50
Toluene	50	U	50
trans-1,4-Dichloro-2-butene	100	U	100
trans-1,2-Dichloroethene	50	U	50
trans-1,3-Dichloropropene	50	U	50
1,1,1-Trichloroethane	50	U	50
1,1,2-Trichloroethane	50	U	50
Trichloroethene	50	U	50
Trichlorofluoromethane	50	U	50
1,2,3-Trichloropropane	50	U	50
Vinyl acetate	100	U	100
Vinyl chloride	50	U	50
Xylenes, Total	230	D	100

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	95	75 - 120
Dibromofluoromethane	78	75 - 121
Toluene-d8 (Surr)	102	75 - 120

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02S-0308-EB**

Lab Sample ID: 680-35448-12EB
Client Matrix: Water

Date Sampled: 03/27/2008 1430
Date Received: 03/28/2008 1145

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/04/2008 1352
Date Prepared: 04/04/2008 1352

Analysis Batch: 680-102438

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2052.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	25	U *	25
Acetonitrile	40	U	40
Acrolein	20	U	20
Acrylonitrile	20	U	20
Benzene	8.7		1.0
Bromoform	1.0	U	1.0
Bromomethane	1.0	U	1.0
Carbon disulfide	2.0	U	2.0
Carbon tetrachloride	1.0	U	1.0
Chlorobenzene	17		1.0
2-Chloro-1,3-butadiene	1.0	U	1.0
Chlorodibromomethane	1.0	U	1.0
Chloroethane	1.0	U	1.0
Chloroform	1.0	U	1.0
Chloromethane	1.0	U	1.0
3-Chloro-1-propene	1.0	U	1.0
cis-1,3-Dichloropropene	1.0	U	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	1.0
Dibromomethane	1.0	U	1.0
1,2-Dichlorobenzene	1.0	U	1.0
1,3-Dichlorobenzene	1.0	U	1.0
1,4-Dichlorobenzene	1.0		1.0
Dichlorobromomethane	1.0	U	1.0
Dichlorodifluoromethane	1.0	U	1.0
1,1-Dichloroethane	1.0	U	1.0
1,2-Dichloroethane	1.0	U	1.0
1,1-Dichloroethene	1.0	U	1.0
1,2-Dichloropropane	1.0	U	1.0
Ethylbenzene	1.0	U	1.0
Ethylene Dibromide	1.0	U	1.0
Ethyl methacrylate	1.0	U	1.0
2-Hexanone	10	U	10
Iodomethane	5.0	U	5.0
Isobutyl alcohol	40	U	40
Methacrylonitrile	20	U	20
Methylene Chloride	5.0	U	5.0
2-Butanone (MEK)	10	U *	10
4-Methyl-2-pentanone (MIBK)	10	U	10
Methyl methacrylate	1.0	U	1.0
Pentachloroethane	5.0	U	5.0
Propionitrile	20	U	20
Styrene	1.0	U	1.0
1,1,1,2-Tetrachloroethane	1.0	U	1.0
1,1,2,2-Tetrachloroethane	1.0	U	1.0

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02S-0308-EB**

Lab Sample ID: 680-35448-12EB
Client Matrix: Water

Date Sampled: 03/27/2008 1430
Date Received: 03/28/2008 1145

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/04/2008 1352
Date Prepared: 04/04/2008 1352

Analysis Batch: 680-102438

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2052.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Tetrachloroethene	1.0	U	1.0
Toluene	1.0	U	1.0
trans-1,4-Dichloro-2-butene	2.0	U	2.0
trans-1,2-Dichloroethene	1.0	U	1.0
trans-1,3-Dichloropropene	1.0	U	1.0
1,1,1-Trichloroethane	1.0	U	1.0
1,1,2-Trichloroethane	1.0	U	1.0
Trichloroethene	1.0	U	1.0
Trichlorofluoromethane	1.0	U	1.0
1,2,3-Trichloropropane	1.0	U	1.0
Vinyl acetate	2.0	U	2.0
Vinyl chloride	1.0	U	1.0
Xylenes, Total	2.0	U	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	91	75 - 120
Dibromofluoromethane	90	75 - 121
Toluene-d8 (Surr)	102	75 - 120

* Do not use "E" flagged data. Use all other data.

Analytical Data

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW04S-0308**

Lab Sample ID: 680-35499-1
Client Matrix: Water

Date Sampled: 03/31/2008 1030
Date Received: 04/01/2008 1138

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/14/2008 1427
Date Prepared: 04/14/2008 1427

Analysis Batch: 680-103044

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2148.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	25	U	25
Acetonitrile	40	U	40
Acrolein	20	U	20
Acrylonitrile	20	U	20
Benzene	40		1.0
Bromoform	1.0	U	1.0
Bromomethane	1.0	U	1.0
Carbon disulfide	2.0	U *	2.0
Carbon tetrachloride	1.0	U	1.0
* ~~Chlorobenzene~~	~~480~~	~~E~~	~~1.0~~
2-Chloro-1,3-butadiene	1.0	U	1.0
Chlorodibromomethane	1.0	U	1.0
Chloroethane	1.0	U	1.0
Chloroform	1.0	U	1.0
Chloromethane	1.1		1.0
3-Chloro-1-propene	1.0	U	1.0
cis-1,3-Dichloropropene	1.0	U	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	1.0
Dibromomethane	1.0	U	1.0
* ~~1,2-Dichlorobenzene~~	~~320~~	~~E~~	~~1.0~~
* ~~1,3-Dichlorobenzene~~	~~590~~	~~E~~	~~1.0~~
* ~~1,4-Dichlorobenzene~~	~~1800~~	~~E~~	~~1.0~~
Dichlorobromomethane	1.0	U	1.0
Dichlorodifluoromethane	1.0	U	1.0
1,1-Dichloroethane	1.0	U	1.0
1,2-Dichloroethane	1.0	U	1.0
1,1-Dichloroethene	1.0	U	1.0
1,2-Dichloropropane	1.0	U	1.0
Ethylbenzene	13		1.0
Ethylene Dibromide	1.0	U	1.0
Ethyl methacrylate	1.0	U	1.0
2-Hexanone	10	U	10
Iodomethane	5.0	U	5.0
Isobutyl alcohol	40	U	40
Methacrylonitrile	20	U	20
Methylene Chloride	5.0	U	5.0
2-Butanone (MEK)	10	U	10
4-Methyl-2-pentanone (MIBK)	10	U	10
Methyl methacrylate	1.0	U	1.0
Pentachloroethane	5.0	U	5.0
Propionitrile	20	U	20
Styrene	1.0	U	1.0
1,1,1,2-Tetrachloroethane	1.0	U	1.0
1,1,2,2-Tetrachloroethane	1.0	U	1.0

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW04S-0308**

Lab Sample ID: 680-35499-1
Client Matrix: Water

Date Sampled: 03/31/2008 1030
Date Received: 04/01/2008 1138

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/14/2008 1427
Date Prepared: 04/14/2008 1427

Analysis Batch: 680-103044

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2148.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Tetrachloroethene	1.0	U	1.0
Toluene	1.0	U	1.0
trans-1,4-Dichloro-2-butene	2.0	U	2.0
trans-1,2-Dichloroethene	1.0	U	1.0
trans-1,3-Dichloropropene	1.0	U	1.0
1,1,1-Trichloroethane	1.0	U	1.0
1,1,2-Trichloroethane	1.0	U	1.0
Trichloroethene	1.0	U	1.0
Trichlorofluoromethane	1.0	U	1.0
1,2,3-Trichloropropane	1.0	U	1.0
Vinyl acetate	2.0	U	2.0
Vinyl chloride	1.0	U	1.0
Xylenes, Total	2.0	U	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	111	75 - 120
Dibromofluoromethane	91	75 - 121
Toluene-d8 (Surr)	92	75 - 120

* Use this data only. All other data was reported from the Undiluted analysis.

Analytical Data

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW04S-0308**

Lab Sample ID: 680-35499-1
Client Matrix: Water

Date Sampled: 03/31/2008 1030
Date Received: 04/01/2008 1138

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 20
Date Analyzed: 04/14/2008 1525
Date Prepared: 04/14/2008 1525

Analysis Batch: 680-103044
Run Type: DL

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2152.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	500	U	500
Acetonitrile	800	U	800
Acrolein	400	U	400
Acrylonitrile	400	U	400
Benzene	40	D	20
Bromoform	20	U	20
Bromomethane	20	U	20
Carbon disulfide	40	U *	40
Carbon tetrachloride	20	U	20
* Chlorobenzene	530	D	20
2-Chloro-1,3-butadiene	20	U	20
Chlorodibromomethane	20	U	20
Chloroethane	20	U	20
Chloroform	20	U	20
Chloromethane	20	U	20
3-Chloro-1-propene	20	U	20
cis-1,3-Dichloropropene	20	U	20
1,2-Dibromo-3-Chloropropane	20	U	20
Dibromomethane	20	U	20
* 1,2-Dichlorobenzene	330	D	20
1,3-Dichlorobenzene	670	D	20
1,4-Dichlorobenzene	2900	D	20
Dichlorobromomethane	20	U	20
Dichlorodifluoromethane	20	U	20
1,1-Dichloroethane	20	U	20
1,2-Dichloroethane	20	U	20
1,1-Dichloroethene	20	U	20
1,2-Dichloropropane	20	U	20
Ethylbenzene	20	U	20
Ethylene Dibromide	20	U	20
Ethyl methacrylate	20	U	20
2-Hexanone	200	U	200
Iodomethane	100	U	100
Isobutyl alcohol	800	U	800
Methacrylonitrile	400	U	400
Methylene Chloride	100	U	100
2-Butanone (MEK)	200	U	200
4-Methyl-2-pentanone (MIBK)	200	U	200
Methyl methacrylate	20	U	20
Pentachloroethane	100	U	100
Propionitrile	400	U	400
Styrene	20	U	20
1,1,1,2-Tetrachloroethane	20	U	20
1,1,2,2-Tetrachloroethane	20	U	20

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW04S-0308**

Lab Sample ID: 680-35499-1
Client Matrix: Water

Date Sampled: 03/31/2008 1030
Date Received: 04/01/2008 1138

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 20
Date Analyzed: 04/14/2008 1525
Date Prepared: 04/14/2008 1525

Analysis Batch: 680-103044
Run Type: DL

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2152.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Tetrachloroethene	20	U	20
Toluene	20	U	20
trans-1,4-Dichloro-2-butene	40	U	40
trans-1,2-Dichloroethene	20	U	20
trans-1,3-Dichloropropene	20	U	20
1,1,1-Trichloroethane	20	U	20
1,1,2-Trichloroethane	20	U	20
Trichloroethene	20	U	20
Trichlorofluoromethane	20	U	20
1,2,3-Trichloropropane	20	U	20
Vinyl acetate	40	U	40
Vinyl chloride	20	U	20
Xylenes, Total	40	U	40

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	107	75 - 120
Dibromofluoromethane	97	75 - 121
Toluene-d8 (Surr)	104	75 - 120

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **TB03-0308**

Lab Sample ID: 680-35499-2TB
Client Matrix: Water

Date Sampled: 03/31/2008 0000
Date Received: 04/01/2008 1138

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/09/2008 1553
Date Prepared: 04/09/2008 1553

Analysis Batch: 680-103045

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2138.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	25	U	25
Acetonitrile	40	U	40
Acrolein	20	U	20
Acrylonitrile	20	U	20
Benzene	1.0	U	1.0
Bromoform	1.0	U	1.0
Bromomethane	1.0	U	1.0
Carbon disulfide	2.0	U	2.0
Carbon tetrachloride	1.0	U	1.0
Chlorobenzene	1.0	U	1.0
2-Chloro-1,3-butadiene	1.0	U	1.0
Chlorodibromomethane	1.0	U	1.0
Chloroethane	1.0	U	1.0
Chloroform	1.0	U	1.0
Chloromethane	1.0	U	1.0
3-Chloro-1-propene	1.0	U	1.0
cis-1,3-Dichloropropene	1.0	U	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	1.0
Dibromomethane	1.0	U	1.0
1,2-Dichlorobenzene	1.0	U	1.0
1,3-Dichlorobenzene	1.0	U	1.0
1,4-Dichlorobenzene	1.0	U	1.0
Dichlorobromomethane	1.0	U	1.0
Dichlorodifluoromethane	1.0	U	1.0
1,1-Dichloroethane	1.0	U	1.0
1,2-Dichloroethane	1.0	U	1.0
1,1-Dichloroethene	1.0	U	1.0
1,2-Dichloropropane	1.0	U	1.0
Ethylbenzene	1.0	U	1.0
Ethylene Dibromide	1.0	U	1.0
Ethyl methacrylate	1.0	U	1.0
2-Hexanone	10	U	10
Iodomethane	5.0	U	5.0
Isobutyl alcohol	40	U	40
Methacrylonitrile	20	U	20
Methylene Chloride	5.0	U	5.0
2-Butanone (MEK)	10	U	10
4-Methyl-2-pentanone (MIBK)	10	U	10
Methyl methacrylate	1.0	U	1.0
Pentachloroethane	5.0	U	5.0
Propionitrile	20	U	20
Styrene	1.0	U	1.0
1,1,1,2-Tetrachloroethane	1.0	U	1.0
1,1,2,2-Tetrachloroethane	1.0	U	1.0

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **TB03-0308**

Lab Sample ID: 680-35499-2TB
Client Matrix: Water

Date Sampled: 03/31/2008 0000
Date Received: 04/01/2008 1138

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/09/2008 1553
Date Prepared: 04/09/2008 1553

Analysis Batch: 680-103045

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: o2138.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Tetrachloroethene	1.0	U	1.0
Toluene	1.0	U	1.0
trans-1,4-Dichloro-2-butene	2.0	U	2.0
trans-1,2-Dichloroethene	1.0	U	1.0
trans-1,3-Dichloropropene	1.0	U	1.0
1,1,1-Trichloroethane	1.0	U	1.0
1,1,2-Trichloroethane	1.0	U	1.0
Trichloroethene	1.0	U	1.0
Trichlorofluoromethane	1.0	U	1.0
1,2,3-Trichloropropane	1.0	U	1.0
Vinyl acetate	2.0	U	2.0
Vinyl chloride	1.0	U	1.0
Xylenes, Total	2.0	U	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	96	75 - 120
Dibromofluoromethane	85	75 - 121
Toluene-d8 (Surr)	103	75 - 120

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW01S-0308**

Lab Sample ID: 680-35403-2
Client Matrix: Water

Date Sampled: 03/26/2008 1000
Date Received: 03/27/2008 1220

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680
Dilution: 1.0
Date Analyzed: 04/22/2008 1551
Date Prepared: 04/02/2008 1350

Analysis Batch: 680-103967
Prep Batch: 680-101983

Instrument ID: No Equipment Assigned to
Lab File ID: N/A
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.094	U	0.094
Dichlorobiphenyl	0.094	U	0.094
Trichlorobiphenyl	0.094	U	0.094
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.28	U	0.28
Octachlorobiphenyl	0.28	U	0.28
Nonachlorobiphenyl	0.47	U	0.47
DCB Decachlorobiphenyl	0.47	U	0.47

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	68	25 - 113

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW01S-F-0308**

Lab Sample ID: 680-35403-3
Client Matrix: Water

Date Sampled: 03/26/2008 1000
Date Received: 03/27/2008 1220

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680
Dilution: 1.0
Date Analyzed: 04/22/2008 1637
Date Prepared: 04/02/2008 1350

Analysis Batch: 680-103967
Prep Batch: 680-101983

Instrument ID: No Equipment Assigned to
Lab File ID: N/A
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.094	U	0.094
Dichlorobiphenyl	0.094	U	0.094
Trichlorobiphenyl	0.094	U	0.094
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.28	U	0.28
Octachlorobiphenyl	0.28	U	0.28
Nonachlorobiphenyl	0.47	U	0.47
DCB Decachlorobiphenyl	0.47	U	0.47

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	64	25 - 113

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW01M-0308**

Lab Sample ID: 680-35403-4
Client Matrix: Water

Date Sampled: 03/26/2008 1020
Date Received: 03/27/2008 1220

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680
Dilution: 1.0
Date Analyzed: 04/22/2008 1723
Date Prepared: 04/02/2008 1350

Analysis Batch: 680-103967
Prep Batch: 680-101983

Instrument ID: No Equipment Assigned to
Lab File ID: N/A
Initial Weight/Volume: 1030 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.097	U	0.097
Dichlorobiphenyl	0.097	U	0.097
Trichlorobiphenyl	0.097	U	0.097
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.29	U	0.29
Octachlorobiphenyl	0.29	U	0.29
Nonachlorobiphenyl	0.49	U	0.49
DCB Decachlorobiphenyl	0.49	U	0.49

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	37	25 - 113

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW01M-F-0308**

Lab Sample ID: 680-35403-5
Client Matrix: Water

Date Sampled: 03/26/2008 1020
Date Received: 03/27/2008 1220

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680
Dilution: 1.0
Date Analyzed: 04/11/2008 0034
Date Prepared: 04/02/2008 1350

Analysis Batch: 680-104016
Prep Batch: 680-101983

Instrument ID: No Equipment Assigned to
Lab File ID: N/A
Initial Weight/Volume: 1030 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.097	U	0.097
Dichlorobiphenyl	0.097	U	0.097
Trichlorobiphenyl	0.097	U	0.097
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.29	U	0.29
Octachlorobiphenyl	0.29	U	0.29
Nonachlorobiphenyl	0.49	U	0.49
DCB Decachlorobiphenyl	0.49	U	0.49

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	43	25 - 113

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02M-0308**

Lab Sample ID: 680-35448-2
Client Matrix: Water

Date Sampled: 03/27/2008 0905
Date Received: 03/28/2008 1145

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680
Dilution: 1.0
Date Analyzed: 04/07/2008 1847
Date Prepared: 04/02/2008 1350

Analysis Batch: 680-103937
Prep Batch: 680-101984

Instrument ID: No Equipment Assigned to
Lab File ID: N/A
Initial Weight/Volume: 1030 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	1.7		0.097
Dichlorobiphenyl	0.097	U	0.097
Trichlorobiphenyl	0.097	U	0.097
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.29	U	0.29
Octachlorobiphenyl	0.29	U	0.29
Nonachlorobiphenyl	0.49	U	0.49
DCB Decachlorobiphenyl	0.49	U	0.49

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	81	25 - 113

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02M-F-0308**

Lab Sample ID: 680-35448-3
Client Matrix: Water

Date Sampled: 03/27/2008 0905
Date Received: 03/28/2008 1145

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680
Dilution: 1.0
Date Analyzed: 04/07/2008 1936
Date Prepared: 04/02/2008 1350

Analysis Batch: 680-103937
Prep Batch: 680-101984

Instrument ID: No Equipment Assigned to
Lab File ID: N/A
Initial Weight/Volume: 1030 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	1.7		0.097
Dichlorobiphenyl	0.097	U	0.097
Trichlorobiphenyl	0.097	U	0.097
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.29	U	0.29
Octachlorobiphenyl	0.29	U	0.29
Nonachlorobiphenyl	0.49	U	0.49
DCB Decachlorobiphenyl	0.49	U	0.49

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	78	25 - 113

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02S-0308**

Lab Sample ID: 680-35448-4
Client Matrix: Water

Date Sampled: 03/27/2008 1145
Date Received: 03/28/2008 1145

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680
Dilution: 1.0
Date Analyzed: 04/07/2008 2025
Date Prepared: 04/02/2008 1350

Analysis Batch: 680-103937
Prep Batch: 680-101984

Instrument ID: No Equipment Assigned to
Lab File ID: N/A
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.18		0.094
Dichlorobiphenyl	0.10		0.094
Trichlorobiphenyl	0.094	U	0.094
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.28	U	0.28
Octachlorobiphenyl	0.28	U	0.28
Nonachlorobiphenyl	0.47	U	0.47
DCB Decachlorobiphenyl	0.47	U	0.47

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	82	25 - 113

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02S-F-0308**

Lab Sample ID: 680-35448-5
Client Matrix: Water

Date Sampled: 03/27/2008 1145
Date Received: 03/28/2008 1145

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680
Dilution: 1.0
Date Analyzed: 04/07/2008 2114
Date Prepared: 04/02/2008 1350

Analysis Batch: 680-103937
Prep Batch: 680-101984

Instrument ID: No Equipment Assigned to
Lab File ID: N/A
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.094	U	0.094
Dichlorobiphenyl	0.094	U	0.094
Trichlorobiphenyl	0.094	U	0.094
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.28	U	0.28
Octachlorobiphenyl	0.28	U	0.28
Nonachlorobiphenyl	0.47	U	0.47
DCB Decachlorobiphenyl	0.47	U	0.47

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	91	25 - 113

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW03~~S~~M-0308**

Lab Sample ID: 680-35448-6
Client Matrix: Water

Date Sampled: 03/27/2008 1530
Date Received: 03/28/2008 1145

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680
Dilution: 1.0
Date Analyzed: 04/07/2008 2202
Date Prepared: 04/02/2008 1350

Analysis Batch: 680-103937
Prep Batch: 680-101984

Instrument ID: No Equipment Assigned to
Lab File ID: N/A
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.39		0.094
Dichlorobiphenyl	0.094	U	0.094
Trichlorobiphenyl	0.094	U	0.094
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.28	U	0.28
Octachlorobiphenyl	0.28	U	0.28
Nonachlorobiphenyl	0.47	U	0.47
DCB Decachlorobiphenyl	0.47	U	0.47

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	56	25 - 113

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW03~~8~~M-F-0308**

Lab Sample ID: 680-35448-7
Client Matrix: Water

Date Sampled: 03/27/2008 1530
Date Received: 03/28/2008 1145

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680
Dilution: 1.0
Date Analyzed: 04/07/2008 2251
Date Prepared: 04/02/2008 1350

Analysis Batch: 680-103937
Prep Batch: 680-101984

Instrument ID: No Equipment Assigned to
Lab File ID: N/A
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.094	U	0.094
Dichlorobiphenyl	0.094	U	0.094
Trichlorobiphenyl	0.094	U	0.094
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.28	U	0.28
Octachlorobiphenyl	0.28	U	0.28
Nonachlorobiphenyl	0.47	U	0.47
DCB Decachlorobiphenyl	0.47	U	0.47

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	68	25 - 113

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW03S-0308**

Lab Sample ID: 680-35448-8
Client Matrix: Water

Date Sampled: 03/27/2008 1430
Date Received: 03/28/2008 1145

680 Polychlorinated Biphenyls by GCMS

Method:	680	Analysis Batch: 680-103937	Instrument ID:	No Equipment Assigned to	
Preparation:	680	Prep Batch: 680-101984	Lab File ID:	N/A	
Dilution:	1.0		Initial Weight/Volume:	1030 mL	
Date Analyzed:	04/07/2008 2340		Final Weight/Volume:	1 mL	
Date Prepared:	04/02/2008 1350		Injection Volume:		

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.25		0.097
Dichlorobiphenyl	0.097	U	0.097
Trichlorobiphenyl	0.097	U	0.097
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.29	U	0.29
Octachlorobiphenyl	0.29	U	0.29
Nonachlorobiphenyl	0.49	U	0.49
DCB Decachlorobiphenyl	0.49	U	0.49

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	84	25 - 113

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW03S-F-0308**

Lab Sample ID: 680-35448-9
Client Matrix: Water

Date Sampled: 03/27/2008 1430
Date Received: 03/28/2008 1145

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680
Dilution: 1.0
Date Analyzed: 04/22/2008 1200
Date Prepared: 04/02/2008 1350

Analysis Batch: 680-103941
Prep Batch: 680-101984

Instrument ID: No Equipment Assigned to
Lab File ID: N/A
Initial Weight/Volume: 1030 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.31		0.097
Dichlorobiphenyl	0.097	U	0.097
Trichlorobiphenyl	0.097	U	0.097
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.29	U	0.29
Octachlorobiphenyl	0.29	U	0.29
Nonachlorobiphenyl	0.49	U	0.49
DCB Decachlorobiphenyl	0.49	U	0.49

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	70	25 - 113

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW03M-0308-AD**

Lab Sample ID: 680-35448-10FD
Client Matrix: Water

Date Sampled: 03/27/2008 1430
Date Received: 03/28/2008 1145

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680
Dilution: 1.0
Date Analyzed: 04/22/2008 1246
Date Prepared: 04/02/2008 1350

Analysis Batch: 680-103941
Prep Batch: 680-101984

Instrument ID: No Equipment Assigned to
Lab File ID: N/A
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.094	U	0.094
Dichlorobiphenyl	0.094	U	0.094
Trichlorobiphenyl	0.094	U	0.094
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.28	U	0.28
Octachlorobiphenyl	0.28	U	0.28
Nonachlorobiphenyl	0.47	U	0.47
DCB Decachlorobiphenyl	0.47	U	0.47

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	46	25 - 113

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW03M-F-0308-AD**

Lab Sample ID: 680-35448-11FD
Client Matrix: Water

Date Sampled: 03/27/2008 1430
Date Received: 03/28/2008 1145

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680
Dilution: 1.0
Date Analyzed: 04/10/2008 2348
Date Prepared: 04/02/2008 1350

Analysis Batch: 680-103487
Prep Batch: 680-101984

Instrument ID: No Equipment Assigned to
Lab File ID: N/A
Initial Weight/Volume: 1030 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.097	U	0.097
Dichlorobiphenyl	0.097	U	0.097
Trichlorobiphenyl	0.097	U	0.097
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.29	U	0.29
Octachlorobiphenyl	0.29	U	0.29
Nonachlorobiphenyl	0.49	U	0.49
DCB Decachlorobiphenyl	0.49	U	0.49

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	50	25 - 113

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02S-0308-EB**

Lab Sample ID: 680-35448-12EB
Client Matrix: Water

Date Sampled: 03/27/2008 1430
Date Received: 03/28/2008 1145

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680
Dilution: 1.0
Date Analyzed: 04/17/2008 1326
Date Prepared: 04/10/2008 1230

Analysis Batch: 680-103473
Prep Batch: 680-102740

Instrument ID: No Equipment Assigned to
Lab File ID: N/A
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.094	U H	0.094
Dichlorobiphenyl	0.094	U H	0.094
Trichlorobiphenyl	0.094	U H	0.094
Tetrachlorobiphenyl	0.19	U H	0.19
Pentachlorobiphenyl	0.19	U H	0.19
Hexachlorobiphenyl	0.19	U H	0.19
Heptachlorobiphenyl	0.28	U H	0.28
Octachlorobiphenyl	0.28	U H	0.28
Nonachlorobiphenyl	0.47	U H	0.47
DCB Decachlorobiphenyl	0.47	U H	0.47

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	69	25 - 113

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02S-F-0308-EB**

Lab Sample ID: 680-35448-13EB
Client Matrix: Water

Date Sampled: 03/27/2008 1100
Date Received: 03/28/2008 1145

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680
Dilution: 1.0
Date Analyzed: 04/22/2008 1332
Date Prepared: 04/02/2008 1350

Analysis Batch: 680-103941
Prep Batch: 680-101984

Instrument ID: No Equipment Assigned to
Lab File ID: N/A
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.094	U	0.094
Dichlorobiphenyl	0.094	U	0.094
Trichlorobiphenyl	0.094	U	0.094
Tetrachlorobiphenyl	0.19	U	0.19
Pentachlorobiphenyl	0.19	U	0.19
Hexachlorobiphenyl	0.19	U	0.19
Heptachlorobiphenyl	0.28	U	0.28
Octachlorobiphenyl	0.28	U	0.28
Nonachlorobiphenyl	0.47	U	0.47
DCB Decachlorobiphenyl	0.47	U	0.47

Surrogate	%Rec	Acceptance Limits
Decachlorobiphenyl-13C12	70	25 - 113

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW04S-0308**

Lab Sample ID: 680-35499-1
Client Matrix: Water

Date Sampled: 03/31/2008 1030
Date Received: 04/01/2008 1138

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680
Dilution: 10
Date Analyzed: 04/24/2008 1508
Date Prepared: 04/02/2008 1350

Analysis Batch: 680-104168
Prep Batch: 680-101983

Instrument ID: No Equipment Assigned to
Lab File ID: N/A
Initial Weight/Volume: 1030 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	1.5		0.97
Dichlorobiphenyl	12		0.97
Trichlorobiphenyl	44		0.97
Tetrachlorobiphenyl	97		1.9
Pentachlorobiphenyl	73		1.9
Hexachlorobiphenyl	110		1.9
Heptachlorobiphenyl	89		2.9
Octachlorobiphenyl	12		2.9
Nonachlorobiphenyl	4.9	U	4.9
DCB Decachlorobiphenyl	4.9	U	4.9

Surrogate	%Rec		Acceptance Limits
Decachlorobiphenyl-13C12	0	D	25 - 113

Analytical Data

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW04S-F-0308**

Lab Sample ID: 680-35499-3
Client Matrix: Water

Date Sampled: 03/31/2008 1030
Date Received: 04/01/2008 1138

680 Polychlorinated Biphenyls by GCMS

Method: 680
Preparation: 680
Dilution: 10
Date Analyzed: 05/05/2008 1502
Date Prepared: 05/01/2008 1211

Analysis Batch: 680-106369
Prep Batch: 680-106388

Instrument ID: No Equipment Assigned to
Lab File ID: N/A
Initial Weight/Volume: 1020 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result (ug/L)	Qualifier	RL
Monochlorobiphenyl	0.98	U H — "uJ"	0.98
Dichlorobiphenyl	3.6	H — "J"	0.98
Trichlorobiphenyl	11	H	0.98
Tetrachlorobiphenyl	35	H	2.0
Pentachlorobiphenyl	28	H	2.0
Hexachlorobiphenyl	42	H	2.0
Heptachlorobiphenyl	39	H	2.9
Octachlorobiphenyl	5.4	H — "J"	2.9
Nonachlorobiphenyl	4.9	U H — "uJ"	4.9
DCB Decachlorobiphenyl	4.9	U H — "uJ"	4.9

Surrogate	%Rec		Acceptance Limits
Decachlorobiphenyl-13C12	0	D	25 - 113

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW01S-0308**

Lab Sample ID: 680-35403-2
Client Matrix: Water

Date Sampled: 03/26/2008 1000
Date Received: 03/27/2008 1220

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-102921	Instrument ID:	GC/MS SemiVolatiles - T	
Preparation:	3520C	Prep Batch: 680-101542	Lab File ID:	t5636.d	
Dilution:	1.0		Initial Weight/Volume:	1050 mL	
Date Analyzed:	04/08/2008 0015		Final Weight/Volume:	1 mL	
Date Prepared:	03/28/2008 1505		Injection Volume:	1.0 uL	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	9.5	U	9.5
Acenaphthylene	9.5	U	9.5
Acetophenone	9.5	U	9.5
2-Acetylaminofluorene	9.5	U	9.5
alpha,alpha-Dimethyl phenethylamine	1900	U	1900
4-Aminobiphenyl	9.5	U	9.5
Aniline	19	U	19
Anthracene	9.5	U	9.5
Aramite, Total	9.5	U	9.5
Benzo[a]anthracene	9.5	U	9.5
Benzo[a]pyrene	9.5	U	9.5
Benzo[b]fluoranthene	9.5	U	9.5
Benzo[g,h,i]perylene	9.5	U	9.5
Benzo[k]fluoranthene	9.5	U	9.5
Benzyl alcohol	9.5	U	9.5
1,1'-Biphenyl	9.5	U	9.5
Bis(2-chloroethoxy)methane	9.5	U	9.5
Bis(2-chloroethyl)ether	9.5	U	9.5
bis(chloroisopropyl) ether	9.5	U	9.5
Bis(2-ethylhexyl) phthalate	9.5	U	9.5
4-Bromophenyl phenyl ether	9.5	U	9.5
Butyl benzyl phthalate	9.5	U	9.5
4-Chloroaniline	19	U	19
4-Chloro-3-methylphenol	9.5	U	9.5
2-Chloronaphthalene	9.5	U	9.5
2-Chlorophenol	9.5	U	9.5
4-Chlorophenyl phenyl ether	9.5	U	9.5
Chrysene	9.5	U	9.5
Diallate	9.5	U	9.5
Dibenz(a,h)anthracene	9.5	U	9.5
Dibenzofuran	9.5	U	9.5
3,3'-Dichlorobenzidine	19	U	19
2,4-Dichlorophenol	9.5	U	9.5
2,6-Dichlorophenol	9.5	U	9.5
Diethyl phthalate	9.5	U	9.5
Dimethoate	9.5	U	9.5
7,12-Dimethylbenz(a)anthracene	9.5	U	9.5
3,3'-Dimethylbenzidine	19	U	19
2,4-Dimethylphenol	9.5	U	9.5
Dimethyl phthalate	9.5	U	9.5
Di-n-butyl phthalate	9.5	U	9.5
1,3-Dinitrobenzene	9.5	U	9.5
4,6-Dinitro-2-methylphenol	48	U	48
2,4-Dinitrophenol	48	U	48

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW01S-0308**

Lab Sample ID: 680-35403-2
Client Matrix: Water

Date Sampled: 03/26/2008 1000
Date Received: 03/27/2008 1220

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 04/08/2008 0015
Date Prepared: 03/28/2008 1505

Analysis Batch: 680-102921
Prep Batch: 680-101542

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t5636.d
Initial Weight/Volume: 1050 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrotoluene	9.5	U	9.5
2,6-Dinitrotoluene	9.5	U	9.5
Di-n-octyl phthalate	9.5	U	9.5
Dinoseb	9.5	U	9.5
1,4-Dioxane	9.5	U	9.5
Disulfoton	9.5	U	9.5
Ethyl methanesulfonate	9.5	U	9.5
Famphur	9.5	U	9.5
Fluoranthene	9.5	U	9.5
Fluorene	9.5	U	9.5
Hexachlorobenzene	9.5	U	9.5
Hexachlorobutadiene	9.5	U	9.5
Hexachlorocyclopentadiene	9.5	U	9.5
Hexachloroethane	9.5	U	9.5
Hexachlorophene	4800	U	4800
Hexachloropropene	9.5	U	9.5
Indeno[1,2,3-cd]pyrene	9.5	U	9.5
Isophorone	9.5	U	9.5
Isosafrole	9.5	U	9.5
Methapyrilene	1900	U	1900
3-Methylcholanthrene	9.5	U	9.5
Methyl methanesulfonate	9.5	U	9.5
2-Methylnaphthalene	9.5	U	9.5
Methyl parathion	9.5	U	9.5
2-Methylphenol	9.5	U	9.5
3 & 4 Methylphenol	9.5	U	9.5
Naphthalene	9.5	U	9.5
1,4-Naphthoquinone	9.5	U	9.5
1-Naphthylamine	9.5	U	9.5
2-Naphthylamine	9.5	U	9.5
2-Nitroaniline	48	U	48
3-Nitroaniline	48	U	48
4-Nitroaniline	48	U	48
Nitrobenzene	9.5	U	9.5
2-Nitrophenol	9.5	U	9.5
4-Nitrophenol	48	U	48
4-Nitroquinoline-1-oxide	19	U	19
N-Nitro-o-toluidine	9.5	U	9.5
N-Nitrosodiethylamine	9.5	U	9.5
N-Nitrosodimethylamine	9.5	U	9.5
N-Nitrosodi-n-butylamine	9.5	U	9.5
N-Nitrosodi-n-propylamine	9.5	U	9.5
N-Nitrosodiphenylamine	9.5	U	9.5
N-Nitrosomethylethylamine	9.5	U	9.5

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW01S-0308**

Lab Sample ID: 680-35403-2
Client Matrix: Water

Date Sampled: 03/26/2008 1000
Date Received: 03/27/2008 1220

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-102921	Instrument ID:	GC/MS SemiVolatiles - T	
Preparation:	3520C	Prep Batch: 680-101542	Lab File ID:	t5636.d	
Dilution:	1.0		Initial Weight/Volume:	1050 mL	
Date Analyzed:	04/08/2008 0015		Final Weight/Volume:	1 mL	
Date Prepared:	03/28/2008 1505		Injection Volume:	1.0 uL	

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	9.5	U	9.5
N-Nitrosopiperidine	9.5	U	9.5
N-Nitrosopyrrolidine	9.5	U	9.5
o,o',o"-Triethylphosphorothioate	9.5	U	9.5
Ethyl Parathion	9.5	U	9.5
p-Dimethylamino azobenzene	9.5	U	9.5
Pentachlorobenzene	9.5	U	9.5
Pentachloronitrobenzene	9.5	U	9.5
Pentachlorophenol	48	U	48
Phenacetin	9.5	U	9.5
Phenanthrene	9.5	U	9.5
Phenol	9.5	U	9.5
Phorate	9.5	U	9.5
2-Picoline	9.5	U	9.5
p-Phenylene diamine	1900	U	1900
Pronamide	9.5	U	9.5
Pyrene	9.5	U	9.5
Pyridine	48	U	48
Safrole, Total	9.5	U	9.5
Sulfotepp	9.5	U	9.5
1,2,4,5-Tetrachlorobenzene	9.5	U	9.5
2,3,4,6-Tetrachlorophenol	9.5	U	9.5
Thionazin	9.5	U	9.5
2-Toluidine	9.5	U	9.5
1,2,4-Trichlorobenzene	9.5	U	9.5
2,4,5-Trichlorophenol	9.5	U	9.5
2,4,6-Trichlorophenol	9.5	U	9.5
1,3,5-Trinitrobenzene	9.5	U	9.5
1-Chloro-3-nitrobenzene	9.5	U	9.5
2-Nitrobiphenyl	9.5	U	9.5
2,4-Dichloronitrobenzene	9.5	U* — "UJ"	9.5
3-Nitrobiphenyl	9.5	U	9.5
3,4-Dichloronitrobenzene	9.5	U* — "UJ"	9.5
4-Nitrobiphenyl	9.5	U	9.5
2-chloronitrobenzene / 4-chloronitrobenzene	19	U	19

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	64	50 - 113
2-Fluorophenol	51	36 - 110
Nitrobenzene-d5	56	45 - 112
Phenol-d5	54	38 - 116
Terphenyl-d14	65	10 - 121
2,4,6-Tribromophenol	76	40 - 139

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW01M-0308**

Lab Sample ID: 680-35403-4
Client Matrix: Water

Date Sampled: 03/26/2008 1020
Date Received: 03/27/2008 1220

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-102921	Instrument ID:	GC/MS SemiVolatiles - T	
Preparation:	3520C	Prep Batch: 680-101542	Lab File ID:	t5637.d	
Dilution:	1.0		Initial Weight/Volume:	1060 mL	
Date Analyzed:	04/08/2008 0039		Final Weight/Volume:	1 mL	
Date Prepared:	03/28/2008 1505		Injection Volume:	1.0 uL	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	9.4	U	9.4
Acenaphthylene	9.4	U	9.4
Acetophenone	9.4	U	9.4
2-Acetylaminofluorene	9.4	U	9.4
alpha,alpha-Dimethyl phenethylamine	1900	U	1900
4-Aminobiphenyl	9.4	U	9.4
Aniline	19	U	19
Anthracene	9.4	U	9.4
Aramite, Total	9.4	U	9.4
Benzo[a]anthracene	9.4	U	9.4
Benzo[a]pyrene	9.4	U	9.4
Benzo[b]fluoranthene	9.4	U	9.4
Benzo[g,h,i]perylene	9.4	U	9.4
Benzo[k]fluoranthene	9.4	U	9.4
Benzyl alcohol	9.4	U	9.4
1,1'-Biphenyl	9.4	U	9.4
Bis(2-chloroethoxy)methane	9.4	U	9.4
Bis(2-chloroethyl)ether	9.4	U	9.4
bis(chloroisopropyl) ether	9.4	U	9.4
Bis(2-ethylhexyl) phthalate	9.4	U	9.4
4-Bromophenyl phenyl ether	9.4	U	9.4
Butyl benzyl phthalate	9.4	U	9.4
4-Chloroaniline	42		19
4-Chloro-3-methylphenol	9.4	U	9.4
2-Chloronaphthalene	9.4	U	9.4
2-Chlorophenol	9.4	U	9.4
4-Chlorophenyl phenyl ether	9.4	U	9.4
Chrysene	9.4	U	9.4
Diallate	9.4	U	9.4
Dibenz(a,h)anthracene	9.4	U	9.4
Dibenzofuran	9.4	U	9.4
3,3'-Dichlorobenzidine	19	U	19
2,4-Dichlorophenol	9.4	U	9.4
2,6-Dichlorophenol	9.4	U	9.4
Diethyl phthalate	9.4	U	9.4
Dimethoate	9.4	U	9.4
7,12-Dimethylbenz(a)anthracene	9.4	U	9.4
3,3'-Dimethylbenzidine	19	U	19
2,4-Dimethylphenol	9.4	U	9.4
Dimethyl phthalate	9.4	U	9.4
Di-n-butyl phthalate	9.4	U	9.4
1,3-Dinitrobenzene	9.4	U	9.4
4,6-Dinitro-2-methylphenol	47	U	47
2,4-Dinitrophenol	47	U	47

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW01M-0308**

Lab Sample ID: 680-35403-4
Client Matrix: Water

Date Sampled: 03/26/2008 1020
Date Received: 03/27/2008 1220

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 04/08/2008 0039
Date Prepared: 03/28/2008 1505

Analysis Batch: 680-102921
Prep Batch: 680-101542

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t5637.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrotoluene	9.4	U	9.4
2,6-Dinitrotoluene	9.4	U	9.4
Di-n-octyl phthalate	9.4	U	9.4
Dinoseb	9.4	U	9.4
1,4-Dioxane	9.4	U	9.4
Disulfoton	9.4	U	9.4
Ethyl methanesulfonate	9.4	U	9.4
Famphur	9.4	U	9.4
Fluoranthene	9.4	U	9.4
Fluorene	9.4	U	9.4
Hexachlorobenzene	9.4	U	9.4
Hexachlorobutadiene	9.4	U	9.4
Hexachlorocyclopentadiene	9.4	U	9.4
Hexachloroethane	9.4	U	9.4
Hexachlorophene	4700	U	4700
Hexachloropropene	9.4	U	9.4
Indeno[1,2,3-cd]pyrene	9.4	U	9.4
Isophorone	9.4	U	9.4
Isosafrole	9.4	U	9.4
Methapyrilene	1900	U	1900
3-Methylcholanthrene	9.4	U	9.4
Methyl methanesulfonate	9.4	U	9.4
2-Methylnaphthalene	9.4	U	9.4
Methyl parathion	9.4	U	9.4
2-Methylphenol	9.4	U	9.4
3 & 4 Methylphenol	9.4	U	9.4
Naphthalene	9.4	U	9.4
1,4-Naphthoquinone	9.4	U	9.4
1-Naphthylamine	9.4	U	9.4
2-Naphthylamine	9.4	U	9.4
2-Nitroaniline	47	U	47
3-Nitroaniline	47	U	47
4-Nitroaniline	47	U	47
Nitrobenzene	9.4	U	9.4
2-Nitrophenol	9.4	U	9.4
4-Nitrophenol	47	U	47
4-Nitroquinoline-1-oxide	19	U	19
N-Nitro-o-toluidine	9.4	U	9.4
N-Nitrosodiethylamine	9.4	U	9.4
N-Nitrosodimethylamine	9.4	U	9.4
N-Nitrosodi-n-butylamine	9.4	U	9.4
N-Nitrosodi-n-propylamine	9.4	U	9.4
N-Nitrosodiphenylamine	9.4	U	9.4
N-Nitrosomethylethylamine	9.4	U	9.4

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW01M-0308**

Lab Sample ID: 680-35403-4
Client Matrix: Water

Date Sampled: 03/26/2008 1020
Date Received: 03/27/2008 1220

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-102921	Instrument ID:	GC/MS SemiVolatiles - T	
Preparation:	3520C	Prep Batch: 680-101542	Lab File ID:	t5637.d	
Dilution:	1.0		Initial Weight/Volume:	1060 mL	
Date Analyzed:	04/08/2008 0039		Final Weight/Volume:	1 mL	
Date Prepared:	03/28/2008 1505		Injection Volume:	1.0 uL	

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	9.4	U	9.4
N-Nitrosopiperidine	9.4	U	9.4
N-Nitrosopyrrolidine	9.4	U	9.4
o,o',o''-Triethylphosphorothioate	9.4	U	9.4
Ethyl Parathion	9.4	U	9.4
p-Dimethylamino azobenzene	9.4	U	9.4
Pentachlorobenzene	9.4	U	9.4
Pentachloronitrobenzene	9.4	U	9.4
Pentachlorophenol	47	U	47
Phenacetin	9.4	U	9.4
Phenanthrene	9.4	U	9.4
Phenol	9.4	U	9.4
Phorate	9.4	U	9.4
2-Picoline	9.4	U	9.4
p-Phenylene diamine	1900	U	1900
Pronamide	9.4	U	9.4
Pyrene	9.4	U	9.4
Pyridine	47	U	47
Safrole, Total	9.4	U	9.4
Sulfotepp	9.4	U	9.4
1,2,4,5-Tetrachlorobenzene	9.4	U	9.4
2,3,4,6-Tetrachlorophenol	9.4	U	9.4
Thionazin	9.4	U	9.4
2-Toluidine	9.4	U	9.4
1,2,4-Trichlorobenzene	9.4	U	9.4
2,4,5-Trichlorophenol	9.4	U	9.4
2,4,6-Trichlorophenol	9.4	U	9.4
1,3,5-Trinitrobenzene	9.4	U	9.4
1-Chloro-3-nitrobenzene	9.4	U	9.4
2-Nitrobiphenyl	9.4	U	9.4
2,4-Dichloronitrobenzene	9.4	U* — "UJ"	9.4
3-Nitrobiphenyl	9.4	U	9.4
3,4-Dichloronitrobenzene	9.4	U* — "UJ"	9.4
4-Nitrobiphenyl	9.4	U	9.4
2-chloronitrobenzene / 4-chloronitrobenzene	19	U	19

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	49	X	50 - 113
2-Fluorophenol	40		36 - 110
Nitrobenzene-d5	46		45 - 112
Phenol-d5	43		38 - 116
Terphenyl-d14	41		10 - 121
2,4,6-Tribromophenol	62		40 - 139

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02M-0308**

Lab Sample ID: 680-35448-2
Client Matrix: Water

Date Sampled: 03/27/2008 0905
Date Received: 03/28/2008 1145

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 5.0
Date Analyzed: 04/24/2008 1244
Date Prepared: 03/31/2008 1525

Analysis Batch: 680-104079
Prep Batch: 680-101725

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t5867.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	47	U	47
Acenaphthylene	47	U	47
Acetophenone	47	U	47
2-Acetylaminofluorene	47	U	47
alpha,alpha-Dimethyl phenethylamine	9400	U	9400
4-Aminobiphenyl	47	U	47
Aniline	94	U	94
Anthracene	47	U	47
Aramite, Total	47	U	47
Benzo[a]anthracene	47	U	47
Benzo[a]pyrene	47	U	47
Benzo[b]fluoranthene	47	U	47
Benzo[g,h,i]perylene	47	U	47
Benzo[k]fluoranthene	47	U	47
Benzyl alcohol	47	U	47
1,1'-Biphenyl	47	U	47
Bis(2-chloroethoxy)methane	47	U	47
Bis(2-chloroethyl)ether	47	U	47
bis(chloroisopropyl) ether	47	U	47
Bis(2-ethylhexyl) phthalate	47	U	47
4-Bromophenyl phenyl ether	47	U	47
Butyl benzyl phthalate	47	U	47
4-Chloroaniline	94	U	94
4-Chloro-3-methylphenol	47	U	47
2-Chloronaphthalene	47	U	47
2-Chlorophenol	47	U	47
4-Chlorophenyl phenyl ether	47	U	47
Chrysene	47	U	47
Diallate	47	U	47
Dibenz(a,h)anthracene	47	U	47
Dibenzofuran	47	U	47
3,3'-Dichlorobenzidine	94	U	94
2,4-Dichlorophenol	47	U	47
2,6-Dichlorophenol	47	U	47
Diethyl phthalate	47	U	47
Dimethoate	47	U	47
7,12-Dimethylbenz(a)anthracene	47	U	47
3,3'-Dimethylbenzidine	94	U	94
2,4-Dimethylphenol	47	U	47
Dimethyl phthalate	47	U	47
Di-n-butyl phthalate	47	U	47
1,3-Dinitrobenzene	47	U	47
4,6-Dinitro-2-methylphenol	240	U	240
2,4-Dinitrophenol	240	U	240

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02M-0308**

Lab Sample ID: 680-35448-2
Client Matrix: Water

Date Sampled: 03/27/2008 0905
Date Received: 03/28/2008 1145

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 5.0
Date Analyzed: 04/24/2008 1244
Date Prepared: 03/31/2008 1525

Analysis Batch: 680-104079
Prep Batch: 680-101725

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t5867.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrotoluene	47	U	47
2,6-Dinitrotoluene	47	U	47
Di-n-octyl phthalate	47	U	47
Dinoseb	47	U	47
1,4-Dioxane	47	U	47
Disulfoton	47	U	47
Ethyl methanesulfonate	47	U	47
Famphur	47	U	47
Fluoranthene	47	U	47
Fluorene	47	U	47
Hexachlorobenzene	47	U	47
Hexachlorobutadiene	47	U	47
Hexachlorocyclopentadiene	47	U	47
Hexachloroethane	47	U	47
Hexachlorophene	24000	U	24000
Hexachloropropene	47	U	47
Indeno[1,2,3-cd]pyrene	47	U	47
Isophorone	47	U	47
Isosafrole	47	U	47
Methapyrilene	9400	U	9400
3-Methylcholanthrene	47	U	47
Methyl methanesulfonate	47	U	47
2-Methylnaphthalene	47	U	47
Methyl parathion	47	U	47
2-Methylphenol	47	U	47
3 & 4 Methylphenol	47	U	47
Naphthalene	47	U	47
1,4-Naphthoquinone	47	U	47
1-Naphthylamine	47	U	47
2-Naphthylamine	47	U	47
2-Nitroaniline	240	U	240
3-Nitroaniline	240	U	240
4-Nitroaniline	240	U	240
Nitrobenzene	47	U	47
2-Nitrophenol	47	U	47
4-Nitrophenol	240	U	240
4-Nitroquinoline-1-oxide	94	U	94
N-Nitro-o-toluidine	47	U	47
N-Nitrosodiethylamine	47	U	47
N-Nitrosodimethylamine	47	U	47
N-Nitrosodi-n-butylamine	47	U	47
N-Nitrosodi-n-propylamine	47	U	47
N-Nitrosodiphenylamine	47	U	47
N-Nitrosomethylethylamine	47	U	47

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02M-0308**

Lab Sample ID: 680-35448-2
Client Matrix: Water

Date Sampled: 03/27/2008 0905
Date Received: 03/28/2008 1145

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-104079	Instrument ID:	GC/MS SemiVolatiles - T	
Preparation:	3520C	Prep Batch: 680-101725	Lab File ID:	t5867.d	
Dilution:	5.0		Initial Weight/Volume:	1060 mL	
Date Analyzed:	04/24/2008 1244		Final Weight/Volume:	1 mL	
Date Prepared:	03/31/2008 1525		Injection Volume:	1.0 uL	

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	47	U	47
N-Nitrosopiperidine	47	U	47
N-Nitrosopyrrolidine	47	U	47
o,o',o"-Triethylphosphorothioate	47	U	47
Ethyl Parathion	47	U	47
p-Dimethylamino azobenzene	47	U	47
Pentachlorobenzene	47	U	47
Pentachloronitrobenzene	47	U	47
Pentachlorophenol	240	U	240
Phenacetin	47	U	47
Phenanthrene	47	U	47
Phenol	47	U	47
Phorate	47	U	47
2-Picoline	47	U	47
p-Phenylene diamine	9400	U	9400
Pronamide	47	U	47
Pyrene	47	U	47
Pyridine	240	U	240
Safrole, Total	47	U	47
Sulfotepp	47	U	47
1,2,4,5-Tetrachlorobenzene	47	U	47
2,3,4,6-Tetrachlorophenol	47	U	47
Thionazin	47	U	47
2-Toluidine	47	U	47
1,2,4-Trichlorobenzene	47	U	47
2,4,5-Trichlorophenol	47	U	47
2,4,6-Trichlorophenol	47	U	47
1,3,5-Trinitrobenzene	47	U	47
1-Chloro-3-nitrobenzene	47	U	47
2-Nitrobiphenyl	47	U	47
2,4-Dichloronitrobenzene	47	U	47
3-Nitrobiphenyl	47	U	47
3,4-Dichloronitrobenzene	47	U	47
4-Nitrobiphenyl	47	U	47
2-chloronitrobenzene / 4-chloronitrobenzene	94	U	94

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	0	D	50 - 113
2-Fluorophenol	0	D	36 - 110
Nitrobenzene-d5	0	D	45 - 112
Phenol-d5	0	D	38 - 116
Terphenyl-d14	0	D	10 - 121
2,4,6-Tribromophenol	60		40 - 139

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02S-0308**

Lab Sample ID: 680-35448-4
Client Matrix: Water

Date Sampled: 03/27/2008 1145
Date Received: 03/28/2008 1145

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-103317	Instrument ID:	GC/MS SemiVolatiles - T	
Preparation:	3520C	Prep Batch: 680-101725	Lab File ID:	t5763.d	
Dilution:	1.0		Initial Weight/Volume:	1060 mL	
Date Analyzed:	04/16/2008 1433		Final Weight/Volume:	1 mL	
Date Prepared:	03/31/2008 1525		Injection Volume:	1.0 uL	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	9.4	U	9.4
Acenaphthylene	9.4	U	9.4
Acetophenone	9.4	U	9.4
2-Acetylaminofluorene	9.4	U	9.4
alpha,alpha-Dimethyl phenethylamine	1900	U	1900
4-Aminobiphenyl	9.4	U	9.4
Aniline	19	U	19
Anthracene	9.4	U	9.4
Aramite, Total	9.4	U	9.4
Benzo[a]anthracene	9.4	U	9.4
Benzo[a]pyrene	9.4	U	9.4
Benzo[b]fluoranthene	9.4	U	9.4
Benzo[g,h,i]perylene	9.4	U	9.4
Benzo[k]fluoranthene	9.4	U	9.4
Benzyl alcohol	9.4	U	9.4
1,1'-Biphenyl	9.4	U	9.4
Bis(2-chloroethoxy)methane	9.4	U	9.4
Bis(2-chloroethyl)ether	9.4	U	9.4
bis(chloroisopropyl) ether	9.4	U	9.4
Bis(2-ethylhexyl) phthalate	9.4	U	9.4
4-Bromophenyl phenyl ether	9.4	U	9.4
Butyl benzyl phthalate	9.4	U	9.4
4-Chloroaniline	19	U	19
4-Chloro-3-methylphenol	9.4	U	9.4
2-Chloronaphthalene	9.4	U	9.4
2-Chlorophenol	9.4	U	9.4
4-Chlorophenyl phenyl ether	9.4	U	9.4
Chrysene	9.4	U	9.4
Diallate	9.4	U	9.4
Dibenz(a,h)anthracene	9.4	U	9.4
Dibenzofuran	9.4	U	9.4
3,3'-Dichlorobenzidine	19	U	19
2,4-Dichlorophenol	9.4	U	9.4
2,6-Dichlorophenol	9.4	U	9.4
Diethyl phthalate	9.4	U	9.4
Dimethoate	9.4	U	9.4
7,12-Dimethylbenz(a)anthracene	9.4	U	9.4
3,3'-Dimethylbenzidine	19	U	19
2,4-Dimethylphenol	9.4	U	9.4
Dimethyl phthalate	9.4	U	9.4
Di-n-butyl phthalate	9.4	U	9.4
1,3-Dinitrobenzene	9.4	U	9.4
4,6-Dinitro-2-methylphenol	47	U	47
2,4-Dinitrophenol	47	U	47

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02S-0308**

Lab Sample ID: 680-35448-4
Client Matrix: Water

Date Sampled: 03/27/2008 1145
Date Received: 03/28/2008 1145

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 04/16/2008 1433
Date Prepared: 03/31/2008 1525

Analysis Batch: 680-103317
Prep Batch: 680-101725

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t5763.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrotoluene	9.4	U	9.4
2,6-Dinitrotoluene	9.4	U	9.4
Di-n-octyl phthalate	9.4	U	9.4
Dinoseb	9.4	U	9.4
1,4-Dioxane	9.4	U	9.4
Disulfoton	9.4	U	9.4
Ethyl methanesulfonate	9.4	U	9.4
Famphur	9.4	U	9.4
Fluoranthene	9.4	U	9.4
Fluorene	9.4	U	9.4
Hexachlorobenzene	9.4	U	9.4
Hexachlorobutadiene	9.4	U	9.4
Hexachlorocyclopentadiene	9.4	U	9.4
Hexachloroethane	9.4	U	9.4
Hexachlorophene	4700	U	4700
Hexachloropropene	9.4	U	9.4
Indeno[1,2,3-cd]pyrene	9.4	U	9.4
Isophorone	9.4	U	9.4
Isosafrole	9.4	U	9.4
Methapyrilene	1900	U	1900
3-Methylcholanthrene	9.4	U	9.4
Methyl methanesulfonate	9.4	U	9.4
2-Methylnaphthalene	9.4	U	9.4
Methyl parathion	9.4	U	9.4
2-Methylphenol	9.4	U	9.4
3 & 4 Methylphenol	9.4	U	9.4
Naphthalene	9.4	U	9.4
1,4-Naphthoquinone	9.4	U	9.4
1-Naphthylamine	9.4	U	9.4
2-Naphthylamine	9.4	U	9.4
2-Nitroaniline	47	U	47
3-Nitroaniline	47	U	47
4-Nitroaniline	47	U	47
Nitrobenzene	9.4	U	9.4
2-Nitrophenol	9.4	U	9.4
4-Nitrophenol	47	U	47
4-Nitroquinoline-1-oxide	19	U	19
N-Nitro-o-toluidine	9.4	U	9.4
N-Nitrosodiethylamine	9.4	U	9.4
N-Nitrosodimethylamine	9.4	U	9.4
N-Nitrosodi-n-butylamine	9.4	U	9.4
N-Nitrosodi-n-propylamine	9.4	U	9.4
N-Nitrosodiphenylamine	9.4	U	9.4
N-Nitrosomethylethylamine	9.4	U	9.4

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02S-0308**

Lab Sample ID: 680-35448-4
Client Matrix: Water

Date Sampled: 03/27/2008 1145
Date Received: 03/28/2008 1145

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-103317	Instrument ID:	GC/MS SemiVolatiles - T	
Preparation:	3520C	Prep Batch: 680-101725	Lab File ID:	t5763.d	
Dilution:	1.0		Initial Weight/Volume:	1060 mL	
Date Analyzed:	04/16/2008 1433		Final Weight/Volume:	1 mL	
Date Prepared:	03/31/2008 1525		Injection Volume:	1.0 uL	

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	9.4	U	9.4
N-Nitrosopiperidine	9.4	U	9.4
N-Nitrosopyrrolidine	9.4	U	9.4
o,o',o''-Triethylphosphorothioate	9.4	U	9.4
Ethyl Parathion	9.4	U	9.4
p-Dimethylamino azobenzene	9.4	U	9.4
Pentachlorobenzene	9.4	U	9.4
Pentachloronitrobenzene	9.4	U	9.4
Pentachlorophenol	47	U	47
Phenacetin	9.4	U	9.4
Phenanthrene	9.4	U	9.4
Phenol	9.4	U	9.4
Phorate	9.4	U	9.4
2-Picoline	9.4	U	9.4
p-Phenylene diamine	1900	U	1900
Pronamide	9.4	U	9.4
Pyrene	9.4	U	9.4
Pyridine	47	U	47
Safrole, Total	9.4	U	9.4
Sulfotepp	9.4	U	9.4
1,2,4,5-Tetrachlorobenzene	9.4	U	9.4
2,3,4,6-Tetrachlorophenol	9.4	U	9.4
Thionazin	9.4	U	9.4
2-Toluidine	9.4	U	9.4
1,2,4-Trichlorobenzene	31		9.4
2,4,5-Trichlorophenol	9.4	U	9.4
2,4,6-Trichlorophenol	9.4	U	9.4
1,3,5-Trinitrobenzene	9.4	U	9.4
1-Chloro-3-nitrobenzene	9.4	U	9.4
2-Nitrobiphenyl	9.4	U	9.4
2,4-Dichloronitrobenzene	9.4	U	9.4
3-Nitrobiphenyl	9.4	U	9.4
3,4-Dichloronitrobenzene	53		9.4
4-Nitrobiphenyl	9.4	U	9.4
2-chloronitrobenzene / 4-chloronitrobenzene	19	U	19

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	56	50 - 113
2-Fluorophenol	54	36 - 110
Nitrobenzene-d5	56	45 - 112
Phenol-d5	55	38 - 116
Terphenyl-d14	54	10 - 121
2,4,6-Tribromophenol	61	40 - 139

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW03~~S~~M-0308**

Lab Sample ID: 680-35448-6
Client Matrix: Water

Date Sampled: 03/27/2008 1530
Date Received: 03/28/2008 1145

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-104079	Instrument ID:	GC/MS SemiVolatiles - T	
Preparation:	3520C	Prep Batch: 680-101725	Lab File ID:	t5868.d	
Dilution:	5.0		Initial Weight/Volume:	1060 mL	
Date Analyzed:	04/24/2008 1308		Final Weight/Volume:	1 mL	
Date Prepared:	03/31/2008 1525		Injection Volume:	1.0 uL	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	47	U	47
Acenaphthylene	47	U	47
Acetophenone	47	U	47
2-Acetylaminofluorene	47	U	47
alpha,alpha-Dimethyl phenethylamine	9400	U	9400
4-Aminobiphenyl	47	U	47
Aniline	94	U	94
Anthracene	47	U	47
Aramite, Total	47	U	47
Benzo[a]anthracene	47	U	47
Benzo[a]pyrene	47	U	47
Benzo[b]fluoranthene	47	U	47
Benzo[g,h,i]perylene	47	U	47
Benzo[k]fluoranthene	47	U	47
Benzyl alcohol	47	U	47
1,1'-Biphenyl	47	U	47
Bis(2-chloroethoxy)methane	47	U	47
Bis(2-chloroethyl)ether	47	U	47
bis(chloroisopropyl) ether	47	U	47
Bis(2-ethylhexyl) phthalate	47	U	47
4-Bromophenyl phenyl ether	47	U	47
Butyl benzyl phthalate	47	U	47
4-Chloroaniline	120		94
4-Chloro-3-methylphenol	47	U	47
2-Chloronaphthalene	47	U	47
2-Chlorophenol	47	U	47
4-Chlorophenyl phenyl ether	47	U	47
Chrysene	47	U	47
Diallate	47	U	47
Dibenz(a,h)anthracene	47	U	47
Dibenzofuran	47	U	47
3,3'-Dichlorobenzidine	94	U	94
2,4-Dichlorophenol	47	U	47
2,6-Dichlorophenol	47	U	47
Diethyl phthalate	47	U	47
Dimethoate	47	U	47
7,12-Dimethylbenz(a)anthracene	47	U	47
3,3'-Dimethylbenzidine	94	U	94
2,4-Dimethylphenol	47	U	47
Dimethyl phthalate	47	U	47
Di-n-butyl phthalate	47	U	47
1,3-Dinitrobenzene	47	U	47
4,6-Dinitro-2-methylphenol	240	U	240
2,4-Dinitrophenol	240	U	240

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: PMAMW03~~5~~M-0308

Lab Sample ID: 680-35448-6
Client Matrix: Water

Date Sampled: 03/27/2008 1530
Date Received: 03/28/2008 1145

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-104079	Instrument ID:	GC/MS SemiVolatiles - T	
Preparation:	3520C	Prep Batch: 680-101725	Lab File ID:	t5868.d	
Dilution:	5.0		Initial Weight/Volume:	1060 mL	
Date Analyzed:	04/24/2008 1308		Final Weight/Volume:	1 mL	
Date Prepared:	03/31/2008 1525		Injection Volume:	1.0 uL	

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrotoluene	47	U	47
2,6-Dinitrotoluene	47	U	47
Di-n-octyl phthalate	47	U	47
Dinoseb	47	U	47
1,4-Dioxane	47	U	47
Disulfoton	47	U	47
Ethyl methanesulfonate	47	U	47
Famphur	47	U	47
Fluoranthene	47	U	47
Fluorene	47	U	47
Hexachlorobenzene	47	U	47
Hexachlorobutadiene	47	U	47
Hexachlorocyclopentadiene	47	U	47
Hexachloroethane	47	U	47
Hexachlorophene	24000	U	24000
Hexachloropropene	47	U	47
Indeno[1,2,3-cd]pyrene	47	U	47
Isophorone	47	U	47
Isosafrole	47	U	47
Methapyrilene	9400	U	9400
3-Methylcholanthrene	47	U	47
Methyl methanesulfonate	47	U	47
2-Methylnaphthalene	47	U	47
Methyl parathion	47	U	47
2-Methylphenol	47	U	47
3 & 4 Methylphenol	47	U	47
Naphthalene	47	U	47
1,4-Naphthoquinone	47	U	47
1-Naphthylamine	47	U	47
2-Naphthylamine	47	U	47
2-Nitroaniline	240	U	240
3-Nitroaniline	240	U	240
4-Nitroaniline	240	U	240
Nitrobenzene	47	U	47
2-Nitrophenol	47	U	47
4-Nitrophenol	240	U	240
4-Nitroquinoline-1-oxide	94	U	94
N-Nitro-o-toluidine	47	U	47
N-Nitrosodiethylamine	47	U	47
N-Nitrosodimethylamine	47	U	47
N-Nitrosodi-n-butylamine	47	U	47
N-Nitrosodi-n-propylamine	47	U	47
N-Nitrosodiphenylamine	47	U	47
N-Nitrosomethylethylamine	47	U	47

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: PMAMW03~~5~~M-0308

Lab Sample ID: 680-35448-6
Client Matrix: Water

Date Sampled: 03/27/2008 1530
Date Received: 03/28/2008 1145

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-104079	Instrument ID:	GC/MS SemiVolatiles - T	
Preparation:	3520C	Prep Batch: 680-101725	Lab File ID:	t5868.d	
Dilution:	5.0		Initial Weight/Volume:	1060 mL	
Date Analyzed:	04/24/2008 1308		Final Weight/Volume:	1 mL	
Date Prepared:	03/31/2008 1525		Injection Volume:	1.0 uL	

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	47	U	47
N-Nitrosopiperidine	47	U	47
N-Nitrosopyrrolidine	47	U	47
o,o',o''-Triethylphosphorothioate	47	U	47
Ethyl Parathion	47	U	47
p-Dimethylamino azobenzene	47	U	47
Pentachlorobenzene	47	U	47
Pentachloronitrobenzene	47	U	47
Pentachlorophenol	240	U	240
Phenacetin	47	U	47
Phenanthrene	47	U	47
Phenol	47	U	47
Phorate	47	U	47
2-Picoline	47	U	47
p-Phenylene diamine	9400	U	9400
Pronamide	47	U	47
Pyrene	47	U	47
Pyridine	240	U	240
Safrole, Total	47	U	47
Sulfotepp	47	U	47
1,2,4,5-Tetrachlorobenzene	47	U	47
2,3,4,6-Tetrachlorophenol	47	U	47
Thionazin	47	U	47
2-Toluidine	47	U	47
1,2,4-Trichlorobenzene	47	U	47
2,4,5-Trichlorophenol	47	U	47
2,4,6-Trichlorophenol	47	U	47
1,3,5-Trinitrobenzene	47	U	47
1-Chloro-3-nitrobenzene	47	U	47
2-Nitrobiphenyl	47	U	47
2,4-Dichloronitrobenzene	47	U	47
3-Nitrobiphenyl	47	U	47
3,4-Dichloronitrobenzene	47	U	47
4-Nitrobiphenyl	47	U	47
2-chloronitrobenzene / 4-chloronitrobenzene	94	U	94

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	0	D	50 - 113
2-Fluorophenol	0	D	36 - 110
Nitrobenzene-d5	0	D	45 - 112
Phenol-d5	0	D	38 - 116
Terphenyl-d14	0	D	10 - 121
2,4,6-Tribromophenol	0	D	40 - 139

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: PMAMW03~~M~~S-0308

Lab Sample ID: 680-35448-8
Client Matrix: Water

Date Sampled: 03/27/2008 1430
Date Received: 03/28/2008 1145

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-103317	Instrument ID:	GC/MS SemiVolatiles - T	
Preparation:	3520C	Prep Batch: 680-101725	Lab File ID:	t5765.d	
Dilution:	1.0		Initial Weight/Volume:	1060 mL	
Date Analyzed:	04/16/2008 1520		Final Weight/Volume:	1 mL	
Date Prepared:	03/31/2008 1525		Injection Volume:	1.0 uL	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	9.4	U	9.4
Acenaphthylene	9.4	U	9.4
Acetophenone	9.4	U	9.4
2-Acetylaminofluorene	9.4	U	9.4
alpha,alpha-Dimethyl phenethylamine	1900	U	1900
4-Aminobiphenyl	9.4	U	9.4
Aniline	19	U	19
Anthracene	9.4	U	9.4
Aramite, Total	9.4	U	9.4
Benzo[a]anthracene	9.4	U	9.4
Benzo[a]pyrene	9.4	U	9.4
Benzo[b]fluoranthene	9.4	U	9.4
Benzo[g,h,i]perylene	9.4	U	9.4
Benzo[k]fluoranthene	9.4	U	9.4
Benzyl alcohol	9.4	U	9.4
1,1'-Biphenyl	9.4	U	9.4
Bis(2-chloroethoxy)methane	9.4	U	9.4
Bis(2-chloroethyl)ether	9.4	U	9.4
bis(chloroisopropyl) ether	9.4	U	9.4
Bis(2-ethylhexyl) phthalate	9.4	U	9.4
4-Bromophenyl phenyl ether	9.4	U	9.4
Butyl benzyl phthalate	9.4	U	9.4
4-Chloroaniline	19	U	19
4-Chloro-3-methylphenol	9.4	U	9.4
2-Chloronaphthalene	9.4	U	9.4
2-Chlorophenol	9.4	U	9.4
4-Chlorophenyl phenyl ether	9.4	U	9.4
Chrysene	9.4	U	9.4
Diallate	9.4	U	9.4
Dibenz(a,h)anthracene	9.4	U	9.4
Dibenzofuran	9.4	U	9.4
3,3'-Dichlorobenzidine	19	U	19
2,4-Dichlorophenol	9.4	U	9.4
2,6-Dichlorophenol	9.4	U	9.4
Diethyl phthalate	9.4	U	9.4
Dimethoate	9.4	U	9.4
7,12-Dimethylbenz(a)anthracene	9.4	U	9.4
3,3'-Dimethylbenzidine	19	U	19
2,4-Dimethylphenol	9.4	U	9.4
Dimethyl phthalate	9.4	U	9.4
Di-n-butyl phthalate	9.4	U	9.4
1,3-Dinitrobenzene	9.4	U	9.4
4,6-Dinitro-2-methylphenol	47	U	47
2,4-Dinitrophenol	47	U	47

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: PMAMW03~~M~~S-0308

Lab Sample ID: 680-35448-8
Client Matrix: Water

Date Sampled: 03/27/2008 1430
Date Received: 03/28/2008 1145

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-103317	Instrument ID:	GC/MS SemiVolatiles - T	
Preparation:	3520C	Prep Batch: 680-101725	Lab File ID:	t5765.d	
Dilution:	1.0		Initial Weight/Volume:	1060 mL	
Date Analyzed:	04/16/2008 1520		Final Weight/Volume:	1 mL	
Date Prepared:	03/31/2008 1525		Injection Volume:	1.0 uL	

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrotoluene	9.4	U	9.4
2,6-Dinitrotoluene	9.4	U	9.4
Di-n-octyl phthalate	9.4	U	9.4
Dinoseb	9.4	U	9.4
1,4-Dioxane	9.4	U	9.4
Disulfoton	9.4	U	9.4
Ethyl methanesulfonate	9.4	U	9.4
Famphur	9.4	U	9.4
Fluoranthene	9.4	U	9.4
Fluorene	9.4	U	9.4
Hexachlorobenzene	9.4	U	9.4
Hexachlorobutadiene	9.4	U	9.4
Hexachlorocyclopentadiene	9.4	U	9.4
Hexachloroethane	9.4	U	9.4
Hexachlorophene	4700	U	4700
Hexachloropropene	9.4	U	9.4
Indeno[1,2,3-cd]pyrene	9.4	U	9.4
Isophorone	9.4	U	9.4
Isosafrole	9.4	U	9.4
Methapyrilene	1900	U	1900
3-Methylcholanthrene	9.4	U	9.4
Methyl methanesulfonate	9.4	U	9.4
2-Methylnaphthalene	9.4	U	9.4
Methyl parathion	9.4	U	9.4
2-Methylphenol	9.4	U	9.4
3 & 4 Methylphenol	9.4	U	9.4
Naphthalene	9.4	U	9.4
1,4-Naphthoquinone	9.4	U	9.4
1-Naphthylamine	9.4	U	9.4
2-Naphthylamine	9.4	U	9.4
2-Nitroaniline	47	U	47
3-Nitroaniline	47	U	47
4-Nitroaniline	47	U	47
Nitrobenzene	9.4	U	9.4
2-Nitrophenol	9.4	U	9.4
4-Nitrophenol	47	U	47
4-Nitroquinoline-1-oxide	19	U	19
N-Nitro-o-toluidine	9.4	U	9.4
N-Nitrosodiethylamine	9.4	U	9.4
N-Nitrosodimethylamine	9.4	U	9.4
N-Nitrosodi-n-butylamine	9.4	U	9.4
N-Nitrosodi-n-propylamine	9.4	U	9.4
N-Nitrosodiphenylamine	9.4	U	9.4
N-Nitrosomethylethylamine	9.4	U	9.4

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW03M-0308**

Lab Sample ID: 680-35448-8
Client Matrix: Water

Date Sampled: 03/27/2008 1430
Date Received: 03/28/2008 1145

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-103317	Instrument ID:	GC/MS SemiVolatiles - T	
Preparation:	3520C	Prep Batch: 680-101725	Lab File ID:	t5765.d	
Dilution:	1.0		Initial Weight/Volume:	1060 mL	
Date Analyzed:	04/16/2008 1520		Final Weight/Volume:	1 mL	
Date Prepared:	03/31/2008 1525		Injection Volume:	1.0 uL	

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	9.4	U	9.4
N-Nitrosopiperidine	9.4	U	9.4
N-Nitrosopyrrolidine	9.4	U	9.4
o,o',o"-Triethylphosphorothioate	9.4	U	9.4
Ethyl Parathion	9.4	U	9.4
p-Dimethylamino azobenzene	9.4	U	9.4
Pentachlorobenzene	9.4	U	9.4
Pentachloronitrobenzene	9.4	U	9.4
Pentachlorophenol	47	U	47
Phenacetin	9.4	U	9.4
Phenanthrene	9.4	U	9.4
Phenol	9.4	U	9.4
Phorate	9.4	U	9.4
2-Picoline	9.4	U	9.4
p-Phenylene diamine	1900	U	1900
Pronamide	9.4	U	9.4
Pyrene	9.4	U	9.4
Pyridine	47	U	47
Safrole, Total	9.4	U	9.4
Sulfotepp	9.4	U	9.4
1,2,4,5-Tetrachlorobenzene	9.4	U	9.4
2,3,4,6-Tetrachlorophenol	9.4	U	9.4
Thionazin	9.4	U	9.4
2-Toluidine	9.4	U	9.4
1,2,4-Trichlorobenzene	9.4	U	9.4
2,4,5-Trichlorophenol	9.4	U	9.4
2,4,6-Trichlorophenol	9.4	U	9.4
1,3,5-Trinitrobenzene	9.4	U	9.4
1-Chloro-3-nitrobenzene	9.4	U	9.4
2-Nitrobiphenyl	9.4	U	9.4
2,4-Dichloronitrobenzene	9.4	U	9.4
3-Nitrobiphenyl	9.4	U	9.4
3,4-Dichloronitrobenzene	9.4	U	9.4
4-Nitrobiphenyl	9.4	U	9.4
2-chloronitrobenzene / 4-chloronitrobenzene	19	U	19

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	68	50 - 113
2-Fluorophenol	57	36 - 110
Nitrobenzene-d5	60	45 - 112
Phenol-d5	60	38 - 116
Terphenyl-d14	82	10 - 121
2,4,6-Tribromophenol	68	40 - 139

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW03M-0308-AD**

Lab Sample ID: 680-35448-10FD
Client Matrix: Water

Date Sampled: 03/27/2008 1430
Date Received: 03/28/2008 1145

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 5.0
Date Analyzed: 04/24/2008 1331
Date Prepared: 03/31/2008 1525

Analysis Batch: 680-104079
Prep Batch: 680-101725

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t5869.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	47	U	47
Acenaphthylene	47	U	47
Acetophenone	47	U	47
2-Acetylaminofluorene	47	U	47
alpha,alpha-Dimethyl phenethylamine	9400	U	9400
4-Aminobiphenyl	47	U	47
Aniline	94	U	94
Anthracene	47	U	47
Aramite, Total	47	U	47
Benzo[a]anthracene	47	U	47
Benzo[a]pyrene	47	U	47
Benzo[b]fluoranthene	47	U	47
Benzo[g,h,i]perylene	47	U	47
Benzo[k]fluoranthene	47	U	47
Benzyl alcohol	47	U	47
1,1'-Biphenyl	47	U	47
Bis(2-chloroethoxy)methane	47	U	47
Bis(2-chloroethyl)ether	47	U	47
bis(chloroisopropyl) ether	47	U	47
Bis(2-ethylhexyl) phthalate	47	U	47
4-Bromophenyl phenyl ether	47	U	47
Butyl benzyl phthalate	47	U	47
4-Chloroaniline	120		94
4-Chloro-3-methylphenol	47	U	47
2-Chloronaphthalene	47	U	47
2-Chlorophenol	47	U	47
4-Chlorophenyl phenyl ether	47	U	47
Chrysene	47	U	47
Diallate	47	U	47
Dibenz(a,h)anthracene	47	U	47
Dibenzofuran	47	U	47
3,3'-Dichlorobenzidine	94	U	94
2,4-Dichlorophenol	47	U	47
2,6-Dichlorophenol	47	U	47
Diethyl phthalate	47	U	47
Dimethoate	47	U	47
7,12-Dimethylbenz(a)anthracene	47	U	47
3,3'-Dimethylbenzidine	94	U	94
2,4-Dimethylphenol	47	U	47
Dimethyl phthalate	47	U	47
Di-n-butyl phthalate	47	U	47
1,3-Dinitrobenzene	47	U	47
4,6-Dinitro-2-methylphenol	240	U	240
2,4-Dinitrophenol	240	U	240

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW03M-0308-AD**

Lab Sample ID: 680-35448-10FD
Client Matrix: Water

Date Sampled: 03/27/2008 1430
Date Received: 03/28/2008 1145

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 5.0
Date Analyzed: 04/24/2008 1331
Date Prepared: 03/31/2008 1525

Analysis Batch: 680-104079
Prep Batch: 680-101725

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t5869.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrotoluene	47	U	47
2,6-Dinitrotoluene	47	U	47
Di-n-octyl phthalate	47	U	47
Dinoseb	47	U	47
1,4-Dioxane	47	U	47
Disulfoton	47	U	47
Ethyl methanesulfonate	47	U	47
Famphur	47	U	47
Fluoranthene	47	U	47
Fluorene	47	U	47
Hexachlorobenzene	47	U	47
Hexachlorobutadiene	47	U	47
Hexachlorocyclopentadiene	47	U	47
Hexachloroethane	47	U	47
Hexachlorophene	24000	U	24000
Hexachloropropene	47	U	47
Indeno[1,2,3-cd]pyrene	47	U	47
Isophorone	47	U	47
Isosafrole	47	U	47
Methapyrilene	9400	U	9400
3-Methylcholanthrene	47	U	47
Methyl methanesulfonate	47	U	47
2-Methylnaphthalene	47	U	47
Methyl parathion	47	U	47
2-Methylphenol	47	U	47
3 & 4 Methylphenol	47	U	47
Naphthalene	47	U	47
1,4-Naphthoquinone	47	U	47
1-Naphthylamine	47	U	47
2-Naphthylamine	47	U	47
2-Nitroaniline	240	U	240
3-Nitroaniline	240	U	240
4-Nitroaniline	240	U	240
Nitrobenzene	47	U	47
2-Nitrophenol	47	U	47
4-Nitrophenol	240	U	240
4-Nitroquinoline-1-oxide	94	U	94
N-Nitro-o-toluidine	47	U	47
N-Nitrosodiethylamine	47	U	47
N-Nitrosodimethylamine	47	U	47
N-Nitrosodi-n-butylamine	47	U	47
N-Nitrosodi-n-propylamine	47	U	47
N-Nitrosodiphenylamine	47	U	47
N-Nitrosomethylethylamine	47	U	47

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW03M-0308-AD**

Lab Sample ID: 680-35448-10FD
Client Matrix: Water

Date Sampled: 03/27/2008 1430
Date Received: 03/28/2008 1145

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-104079	Instrument ID:	GC/MS SemiVolatiles - T	
Preparation:	3520C	Prep Batch: 680-101725	Lab File ID:	t5869.d	
Dilution:	5.0		Initial Weight/Volume:	1060 mL	
Date Analyzed:	04/24/2008 1331		Final Weight/Volume:	1 mL	
Date Prepared:	03/31/2008 1525		Injection Volume:	1.0 uL	

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	47	U	47
N-Nitrosopiperidine	47	U	47
N-Nitrosopyrrolidine	47	U	47
o,o',o"-Triethylphosphorothioate	47	U	47
Ethyl Parathion	47	U	47
p-Dimethylamino azobenzene	47	U	47
Pentachlorobenzene	47	U	47
Pentachloronitrobenzene	47	U	47
Pentachlorophenol	240	U	240
Phenacetin	47	U	47
Phenanthrene	47	U	47
Phenol	47	U	47
Phorate	47	U	47
2-Picoline	47	U	47
p-Phenylene diamine	9400	U	9400
Pronamide	47	U	47
Pyrene	47	U	47
Pyridine	240	U	240
Safrole, Total	47	U	47
Sulfotepp	47	U	47
1,2,4,5-Tetrachlorobenzene	47	U	47
2,3,4,6-Tetrachlorophenol	47	U	47
Thionazin	47	U	47
2-Toluidine	47	U	47
1,2,4-Trichlorobenzene	47	U	47
2,4,5-Trichlorophenol	47	U	47
2,4,6-Trichlorophenol	47	U	47
1,3,5-Trinitrobenzene	47	U	47
1-Chloro-3-nitrobenzene	47	U	47
2-Nitrobiphenyl	47	U	47
2,4-Dichloronitrobenzene	47	U	47
3-Nitrobiphenyl	47	U	47
3,4-Dichloronitrobenzene	47	U	47
4-Nitrobiphenyl	47	U	47
2-chloronitrobenzene / 4-chloronitrobenzene	94	U	94

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	0	D	50 - 113
2-Fluorophenol	0	D	36 - 110
Nitrobenzene-d5	0	D	45 - 112
Phenol-d5	0	D	38 - 116
Terphenyl-d14	0	D	10 - 121
2,4,6-Tribromophenol	0	D	40 - 139

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02S-0308-EB**

Lab Sample ID: 680-35448-12EB
Client Matrix: Water

Date Sampled: 03/27/2008 1430
Date Received: 03/28/2008 1145

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 04/16/2008 1608
Date Prepared: 03/31/2008 1525

Analysis Batch: 680-103317
Prep Batch: 680-101725

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t5767.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	9.4	U	9.4
Acenaphthylene	9.4	U	9.4
Acetophenone	9.4	U	9.4
2-Acetylaminofluorene	9.4	U	9.4
alpha,alpha-Dimethyl phenethylamine	1900	U	1900
4-Aminobiphenyl	9.4	U	9.4
Aniline	19	U	19
Anthracene	9.4	U	9.4
Aramite, Total	9.4	U	9.4
Benzo[a]anthracene	9.4	U	9.4
Benzo[a]pyrene	9.4	U	9.4
Benzo[b]fluoranthene	9.4	U	9.4
Benzo[g,h,i]perylene	9.4	U	9.4
Benzo[k]fluoranthene	9.4	U	9.4
Benzyl alcohol	9.4	U	9.4
1,1'-Biphenyl	9.4	U	9.4
Bis(2-chloroethoxy)methane	9.4	U	9.4
Bis(2-chloroethyl)ether	9.4	U	9.4
bis(chloroisopropyl) ether	9.4	U	9.4
Bis(2-ethylhexyl) phthalate	9.4	U	9.4
4-Bromophenyl phenyl ether	9.4	U	9.4
Butyl benzyl phthalate	9.4	U	9.4
4-Chloroaniline	19	U	19
4-Chloro-3-methylphenol	9.4	U	9.4
2-Chloronaphthalene	9.4	U	9.4
2-Chlorophenol	9.4	U	9.4
4-Chlorophenyl phenyl ether	9.4	U	9.4
Chrysene	9.4	U	9.4
Diallate	9.4	U	9.4
Dibenz(a,h)anthracene	9.4	U	9.4
Dibenzofuran	9.4	U	9.4
3,3'-Dichlorobenzidine	19	U	19
2,4-Dichlorophenol	9.4	U	9.4
2,6-Dichlorophenol	9.4	U	9.4
Diethyl phthalate	9.4	U	9.4
Dimethoate	9.4	U	9.4
7,12-Dimethylbenz(a)anthracene	9.4	U	9.4
3,3'-Dimethylbenzidine	19	U	19
2,4-Dimethylphenol	9.4	U	9.4
Dimethyl phthalate	9.4	U	9.4
Di-n-butyl phthalate	9.4	U	9.4
1,3-Dinitrobenzene	9.4	U	9.4
4,6-Dinitro-2-methylphenol	47	U	47
2,4-Dinitrophenol	47	U	47

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02S-0308-EB**

Lab Sample ID: 680-35448-12EB
Client Matrix: Water

Date Sampled: 03/27/2008 1430
Date Received: 03/28/2008 1145

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 04/16/2008 1608
Date Prepared: 03/31/2008 1525

Analysis Batch: 680-103317
Prep Batch: 680-101725

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t5767.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrotoluene	9.4	U	9.4
2,6-Dinitrotoluene	9.4	U	9.4
Di-n-octyl phthalate	9.4	U	9.4
Dinoseb	9.4	U	9.4
1,4-Dioxane	9.4	U	9.4
Disulfoton	9.4	U	9.4
Ethyl methanesulfonate	9.4	U	9.4
Famphur	9.4	U	9.4
Fluoranthene	9.4	U	9.4
Fluorene	9.4	U	9.4
Hexachlorobenzene	9.4	U	9.4
Hexachlorobutadiene	9.4	U	9.4
Hexachlorocyclopentadiene	9.4	U	9.4
Hexachloroethane	9.4	U	9.4
Hexachlorophene	4700	U	4700
Hexachloropropene	9.4	U	9.4
Indeno[1,2,3-cd]pyrene	9.4	U	9.4
Isophorone	9.4	U	9.4
Isosafrole	9.4	U	9.4
Methapyrilene	1900	U	1900
3-Methylcholanthrene	9.4	U	9.4
Methyl methanesulfonate	9.4	U	9.4
2-Methylnaphthalene	9.4	U	9.4
Methyl parathion	9.4	U	9.4
2-Methylphenol	9.4	U	9.4
3 & 4 Methylphenol	9.4	U	9.4
Naphthalene	9.4	U	9.4
1,4-Naphthoquinone	9.4	U	9.4
1-Naphthylamine	9.4	U	9.4
2-Naphthylamine	9.4	U	9.4
2-Nitroaniline	47	U	47
3-Nitroaniline	47	U	47
4-Nitroaniline	47	U	47
Nitrobenzene	9.4	U	9.4
2-Nitrophenol	9.4	U	9.4
4-Nitrophenol	47	U	47
4-Nitroquinoline-1-oxide	19	U	19
N-Nitro-o-toluidine	9.4	U	9.4
N-Nitrosodiethylamine	9.4	U	9.4
N-Nitrosodimethylamine	9.4	U	9.4
N-Nitrosodi-n-butylamine	9.4	U	9.4
N-Nitrosodi-n-propylamine	9.4	U	9.4
N-Nitrosodiphenylamine	9.4	U	9.4
N-Nitrosomethylethylamine	9.4	U	9.4

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW02S-0308-EB**

Lab Sample ID: 680-35448-12EB
Client Matrix: Water

Date Sampled: 03/27/2008 1430
Date Received: 03/28/2008 1145

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 04/16/2008 1608
Date Prepared: 03/31/2008 1525

Analysis Batch: 680-103317
Prep Batch: 680-101725

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t5767.d
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	9.4	U	9.4
N-Nitrosopiperidine	9.4	U	9.4
N-Nitrosopyrrolidine	9.4	U	9.4
o,o',o"-Triethylphosphorothioate	9.4	U	9.4
Ethyl Parathion	9.4	U	9.4
p-Dimethylamino azobenzene	9.4	U	9.4
Pentachlorobenzene	9.4	U	9.4
Pentachloronitrobenzene	9.4	U	9.4
Pentachlorophenol	47	U	47
Phenacetin	9.4	U	9.4
Phenanthrene	9.4	U	9.4
Phenol	9.4	U	9.4
Phorate	9.4	U	9.4
2-Picoline	9.4	U	9.4
p-Phenylene diamine	1900	U	1900
Pronamide	9.4	U	9.4
Pyrene	9.4	U	9.4
Pyridine	47	U	47
Safrole, Total	9.4	U	9.4
Sulfotepp	9.4	U	9.4
1,2,4,5-Tetrachlorobenzene	9.4	U	9.4
2,3,4,6-Tetrachlorophenol	9.4	U	9.4
Thionazin	9.4	U	9.4
2-Toluidine	9.4	U	9.4
1,2,4-Trichlorobenzene	9.4	U	9.4
2,4,5-Trichlorophenol	9.4	U	9.4
2,4,6-Trichlorophenol	9.4	U	9.4
1,3,5-Trinitrobenzene	9.4	U	9.4
1-Chloro-3-nitrobenzene	9.4	U	9.4
2-Nitrobiphenyl	9.4	U	9.4
2,4-Dichloronitrobenzene	9.4	U	9.4
3-Nitrobiphenyl	9.4	U	9.4
3,4-Dichloronitrobenzene	9.4	U	9.4
4-Nitrobiphenyl	9.4	U	9.4
2-chloronitrobenzene / 4-chloronitrobenzene	19	U	19

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	74	50 - 113
2-Fluorophenol	61	36 - 110
Nitrobenzene-d5	63	45 - 112
Phenol-d5	61	38 - 116
Terphenyl-d14	88	10 - 121
2,4,6-Tribromophenol	71	40 - 139

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW04S-0308**

Lab Sample ID: 680-35499-1
Client Matrix: Water

Date Sampled: 03/31/2008 1030
Date Received: 04/01/2008 1138

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 04/08/2008 1704
Date Prepared: 04/02/2008 0957

Analysis Batch: 680-103231
Prep Batch: 680-101982

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t5649.d
Initial Weight/Volume: 1030 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	9.7	U	9.7
Acenaphthylene	9.7	U	9.7
Acetophenone	9.7	U	9.7
2-Acetylaminofluorene	9.7	U	9.7
alpha,alpha-Dimethyl phenethylamine	1900	U	1900
4-Aminobiphenyl	9.7	U	9.7
Aniline	19	U	19
Anthracene	9.7	U	9.7
Aramite, Total	9.7	U	9.7
Benzo[a]anthracene	9.7	U	9.7
Benzo[a]pyrene	9.7	U	9.7
Benzo[b]fluoranthene	9.7	U	9.7
Benzo[g,h,i]perylene	9.7	U	9.7
Benzo[k]fluoranthene	9.7	U	9.7
Benzyl alcohol	9.7	U	9.7
1,1'-Biphenyl	9.7	U	9.7
Bis(2-chloroethoxy)methane	9.7	U	9.7
Bis(2-chloroethyl)ether	9.7	U	9.7
bis(chloroisopropyl) ether	9.7	U	9.7
Bis(2-ethylhexyl) phthalate	9.7	U	9.7
4-Bromophenyl phenyl ether	9.7	U	9.7
Butyl benzyl phthalate	9.7	U	9.7
4-Chloroaniline	38		19
4-Chloro-3-methylphenol	9.7	U	9.7
2-Chloronaphthalene	9.7	U	9.7
2-Chlorophenol	9.7	U	9.7
4-Chlorophenyl phenyl ether	9.7	U	9.7
Chrysene	9.7	U	9.7
Diallate	9.7	U	9.7
Dibenz(a,h)anthracene	9.7	U	9.7
Dibenzofuran	9.7	U	9.7
3,3'-Dichlorobenzidine	19	U	19
2,4-Dichlorophenol	9.7	U	9.7
2,6-Dichlorophenol	9.7	U	9.7
Diethyl phthalate	9.7	U	9.7
Dimethoate	9.7	U	9.7
7,12-Dimethylbenz(a)anthracene	9.7	U	9.7
3,3'-Dimethylbenzidine	19	U	19
2,4-Dimethylphenol	9.7	U	9.7
Dimethyl phthalate	9.7	U	9.7
Di-n-butyl phthalate	9.7	U	9.7
1,3-Dinitrobenzene	9.7	U	9.7
4,6-Dinitro-2-methylphenol	49	U	49
2,4-Dinitrophenol	49	U	49

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW04S-0308**

Lab Sample ID: 680-35499-1
Client Matrix: Water

Date Sampled: 03/31/2008 1030
Date Received: 04/01/2008 1138

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-103231	Instrument ID:	GC/MS SemiVolatiles - T	
Preparation:	3520C	Prep Batch: 680-101982	Lab File ID:	t5649.d	
Dilution:	1.0		Initial Weight/Volume:	1030 mL	
Date Analyzed:	04/08/2008 1704		Final Weight/Volume:	1 mL	
Date Prepared:	04/02/2008 0957		Injection Volume:	1.0 uL	

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrotoluene	9.7	U	9.7
2,6-Dinitrotoluene	9.7	U	9.7
Di-n-octyl phthalate	9.7	U	9.7
Dinoseb	9.7	U	9.7
1,4-Dioxane	9.7	U	9.7
Disulfoton	9.7	U	9.7
Ethyl methanesulfonate	9.7	U	9.7
Famphur	9.7	U	9.7
Fluoranthene	9.7	U	9.7
Fluorene	9.7	U	9.7
Hexachlorobenzene	9.7	U	9.7
Hexachlorobutadiene	9.7	U	9.7
Hexachlorocyclopentadiene	9.7	U	9.7
Hexachloroethane	9.7	U	9.7
Hexachlorophene	4900	U	4900
Hexachloropropene	9.7	U	9.7
Indeno[1,2,3-cd]pyrene	9.7	U	9.7
Isophorone	9.7	U	9.7
Isosafrole	9.7	U	9.7
Methapyrilene	1900	U	1900
3-Methylcholanthrene	9.7	U	9.7
Methyl methanesulfonate	9.7	U	9.7
2-Methylnaphthalene	9.7	U	9.7
Methyl parathion	9.7	U	9.7
2-Methylphenol	9.7	U	9.7
3 & 4 Methylphenol	9.8		9.7
Naphthalene	9.7	U	9.7
1,4-Naphthoquinone	9.7	U	9.7
1-Naphthylamine	9.7	U	9.7
2-Naphthylamine	9.7	U	9.7
2-Nitroaniline	49	U	49
3-Nitroaniline	49	U	49
4-Nitroaniline	49	U	49
Nitrobenzene	9.7	U	9.7
2-Nitrophenol	9.7	U	9.7
4-Nitrophenol	49	U	49
4-Nitroquinoline-1-oxide	19	U	19
N-Nitro-o-toluidine	9.7	U	9.7
N-Nitrosodiethylamine	9.7	U	9.7
N-Nitrosodimethylamine	9.7	U	9.7
N-Nitrosodi-n-butylamine	9.7	U	9.7
N-Nitrosodi-n-propylamine	9.7	U	9.7
N-Nitrosodiphenylamine	9.7	U	9.7
N-Nitrosomethylethylamine	9.7	U	9.7

* Do not use 'E' flagged data. Use all other data. f.t.

Analytical Data

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW04S-0308**

Lab Sample ID: 680-35499-1
Client Matrix: Water

Date Sampled: 03/31/2008 1030
Date Received: 04/01/2008 1138

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3520C
Dilution: 1.0
Date Analyzed: 04/08/2008 1704
Date Prepared: 04/02/2008 0957

Analysis Batch: 680-103231
Prep Batch: 680-101982

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t5649.d
Initial Weight/Volume: 1030 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	9.7	U	9.7
N-Nitrosopiperidine	9.7	U	9.7
N-Nitrosopyrrolidine	9.7	U	9.7
o,o',o"-Triethylphosphorothioate	9.7	U	9.7
Ethyl Parathion	9.7	U	9.7
p-Dimethylamino azobenzene	9.7	U	9.7
Pentachlorobenzene	16		9.7
Pentachloronitrobenzene	9.7	U	9.7
Pentachlorophenol	49	U	49
Phenacetin	9.7	U	9.7
Phenanthrene	9.7	U	9.7
Phenol	9.7	U	9.7
Phorate	9.7	U	9.7
2-Picoline	9.7	U	9.7
p-Phenylene diamine	1900	U	1900
Pronamide	9.7	U	9.7
Pyrene	9.7	U	9.7
Pyridine	49	U	49
Safrole, Total	9.7	U	9.7
Sulfotepp	9.7	U	9.7
1,2,4,5-Tetrachlorobenzene	28		9.7
2,3,4,6-Tetrachlorophenol	9.7	U	9.7
Thionazin	9.7	U	9.7
2-Toluidine	9.7	U	9.7
* ~~1,2,4-Trichlorobenzene~~	~~1400~~	~~E~~	~~9.7~~
2,4,5-Trichlorophenol	9.7	U	9.7
2,4,6-Trichlorophenol	9.7	U	9.7
1,3,5-Trinitrobenzene	9.7	U	9.7
1-Chloro-3-nitrobenzene	9.7	U	9.7
2-Nitrobiphenyl	9.7	U	9.7
2,4-Dichloronitrobenzene	9.7	U	9.7
3-Nitrobiphenyl	9.7	U	9.7
3,4-Dichloronitrobenzene	9.7	U	9.7
4-Nitrobiphenyl	9.7	U	9.7
2-chloronitrobenzene / 4-chloronitrobenzene	19	U	19

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	64	50 - 113
2-Fluorophenol	60	36 - 110
Nitrobenzene-d5	63	45 - 112
Phenol-d5	61	38 - 116
Terphenyl-d14	34	10 - 121
2,4,6-Tribromophenol	70	40 - 139

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW04S-0308**

Lab Sample ID: 680-35499-1
Client Matrix: Water

Date Sampled: 03/31/2008 1030
Date Received: 04/01/2008 1138

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-103317		Instrument ID:	GC/MS SemiVolatiles - T
Preparation:	3520C	Prep Batch: 680-101982		Lab File ID:	t5759.d
Dilution:	20			Initial Weight/Volume:	1030 mL
Date Analyzed:	04/16/2008 1258	Run Type:	DL	Final Weight/Volume:	1 mL
Date Prepared:	04/02/2008 0957			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	190	U	190
Acenaphthylene	190	U	190
Acetophenone	190	U	190
2-Acetylaminofluorene	190	U	190
alpha,alpha-Dimethyl phenethylamine	39000	U	39000
4-Aminobiphenyl	190	U	190
Aniline	390	U	390
Anthracene	190	U	190
Aramite, Total	190	U	190
Benzo[a]anthracene	190	U	190
Benzo[a]pyrene	190	U	190
Benzo[b]fluoranthene	190	U	190
Benzo[g,h,i]perylene	190	U	190
Benzo[k]fluoranthene	190	U	190
Benzyl alcohol	190	U	190
1,1'-Biphenyl	190	U	190
Bis(2-chloroethoxy)methane	190	U	190
Bis(2-chloroethyl)ether	190	U	190
bis(chloroisopropyl) ether	190	U	190
Bis(2-ethylhexyl) phthalate	190	U	190
4-Bromophenyl phenyl ether	190	U	190
Butyl benzyl phthalate	190	U	190
4-Chloroaniline	390	U	390
4-Chloro-3-methylphenol	190	U	190
2-Chloronaphthalene	190	U	190
2-Chlorophenol	190	U	190
4-Chlorophenyl phenyl ether	190	U	190
Chrysene	190	U	190
Diallate	190	U	190
Dibenz(a,h)anthracene	190	U	190
Dibenzofuran	190	U	190
3,3'-Dichlorobenzidine	390	U	390
2,4-Dichlorophenol	190	U	190
2,6-Dichlorophenol	190	U	190
Diethyl phthalate	190	U	190
Dimethoate	190	U	190
7,12-Dimethylbenz(a)anthracene	190	U	190
3,3'-Dimethylbenzidine	390	U	390
2,4-Dimethylphenol	190	U	190
Dimethyl phthalate	190	U	190
Di-n-butyl phthalate	190	U	190
1,3-Dinitrobenzene	190	U	190
4,6-Dinitro-2-methylphenol	970	U	970
2,4-Dinitrophenol	970	U	970

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW04S-0308**

Lab Sample ID: 680-35499-1
Client Matrix: Water

Date Sampled: 03/31/2008 1030
Date Received: 04/01/2008 1138

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-103317		Instrument ID:	GC/MS SemiVolatiles - T
Preparation:	3520C	Prep Batch: 680-101982		Lab File ID:	t5759.d
Dilution:	20			Initial Weight/Volume:	1030 mL
Date Analyzed:	04/16/2008 1258	Run Type:	DL	Final Weight/Volume:	1 mL
Date Prepared:	04/02/2008 0957			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrotoluene	190	U	190
2,6-Dinitrotoluene	190	U	190
Di-n-octyl phthalate	190	U	190
Dinoseb	190	U	190
1,4-Dioxane	190	U	190
Disulfoton	190	U	190
Ethyl methanesulfonate	190	U	190
Famphur	190	U	190
Fluoranthene	190	U	190
Fluorene	190	U	190
Hexachlorobenzene	190	U	190
Hexachlorobutadiene	190	U	190
Hexachlorocyclopentadiene	190	U	190
Hexachloroethane	190	U	190
Hexachlorophene	97000	U	97000
Hexachloropropene	190	U	190
Indeno[1,2,3-cd]pyrene	190	U	190
Isophorone	190	U	190
Isosafrole	190	U	190
Methapyrilene	39000	U	39000
3-Methylcholanthrene	190	U	190
Methyl methanesulfonate	190	U	190
2-Methylnaphthalene	190	U	190
Methyl parathion	190	U	190
2-Methylphenol	190	U	190
3 & 4 Methylphenol	190	U	190
Naphthalene	190	U	190
1,4-Naphthoquinone	190	U	190
1-Naphthylamine	190	U	190
2-Naphthylamine	190	U	190
2-Nitroaniline	970	U	970
3-Nitroaniline	970	U	970
4-Nitroaniline	970	U	970
Nitrobenzene	190	U	190
2-Nitrophenol	190	U	190
4-Nitrophenol	970	U	970
4-Nitroquinoline-1-oxide	390	U	390
N-Nitro-o-toluidine	190	U	190
N-Nitrosodiethylamine	190	U	190
N-Nitrosodimethylamine	190	U	190
N-Nitrosodi-n-butylamine	190	U	190
N-Nitrosodi-n-propylamine	190	U	190
N-Nitrosodiphenylamine	190	U	190
N-Nitrosomethylethylamine	190	U	190

* Use this data only. All other data was reported from the undiluted analysis.

Analytical Data

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Client Sample ID: **PMAMW04S-0308**

Lab Sample ID: 680-35499-1
Client Matrix: Water

Date Sampled: 03/31/2008 1030
Date Received: 04/01/2008 1138

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-103317		Instrument ID:	GC/MS SemiVolatiles - T
Preparation:	3520C	Prep Batch: 680-101982		Lab File ID:	t5759.d
Dilution:	20			Initial Weight/Volume:	1030 mL
Date Analyzed:	04/16/2008 1258	Run Type:	DL	Final Weight/Volume:	1 mL
Date Prepared:	04/02/2008 0957			Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	190	U	190
N-Nitrosopiperidine	190	U	190
N-Nitrosopyrrolidine	190	U	190
o,o',o"-Triethylphosphorothioate	190	U	190
Ethyl Parathion	190	U	190
p-Dimethylamino azobenzene	190	U	190
Pentachlorobenzene	190	U	190
Pentachloronitrobenzene	190	U	190
Pentachlorophenol	970	U	970
Phenacetin	190	U	190
Phenanthrene	190	U	190
Phenol	190	U	190
Phorate	190	U	190
2-Picoline	190	U	190
p-Phenylene diamine	39000	U	39000
Pronamide	190	U	190
Pyrene	190	U	190
Pyridine	970	U	970
Safrole, Total	190	U	190
Sulfotepp	190	U	190
1,2,4,5-Tetrachlorobenzene	190	U	190
2,3,4,6-Tetrachlorophenol	190	U	190
Thionazin	190	U	190
2-Toluidine	190	U	190
* 1,2,4-Trichlorobenzene	2900	D	190
2,4,5-Trichlorophenol	190	U	190
2,4,6-Trichlorophenol	190	U	190
1,3,5-Trinitrobenzene	190	U	190
1-Chloro-3-nitrobenzene	190	U	190
2-Nitrobiphenyl	190	U	190
2,4-Dichloronitrobenzene	190	U	190
3-Nitrobiphenyl	190	U	190
3,4-Dichloronitrobenzene	190	U	190
4-Nitrobiphenyl	190	U	190
2-chloronitrobenzene / 4-chloronitrobenzene	390	U	390

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	0	D	50 - 113
2-Fluorophenol	0	D	36 - 110
Nitrobenzene-d5	0	D	45 - 112
Phenol-d5	0	D	38 - 116
Terphenyl-d14	0	D	10 - 121
2,4,6-Tribromophenol	0	D	40 - 139

DATA REPORTING QUALIFIERS

Client: Solutia Inc.

Job Number: 680-35403-1
Sdg Number: KPM015

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	E	Result exceeded calibration range, secondary dilution required.
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
GC/MS Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	E	Result exceeded calibration range, secondary dilution required.
	F	RPD of the MS and MSD exceeds the control limits
	H	Sample was prepped or analyzed beyond the specified holding time
	X	Surrogate exceeds the control limits
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.