

ANALYTICAL REPORT

Job Number: 680-30279-1

SDG Number: FLX011

Job Description: Flexys Termoli IT GW 9/17/07

For:

Solutia Inc.

575 Maryville Centre Dr.

Saint Louis, MO 63141

Attention: Mr. Bruce Yare



Lidya Gulizia

Project Manager I

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10/26/2007

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Job Narrative
680-J30279-1 / SDG No. FLX011 (Termoli Italy)

Receipt

All samples were collected in Termoli, Italy and shipped via international courier to TestAmerica Inc. in Savannah, Georgia. Due to international shipping restrictions, samples were sent without wet ice.

Except as noted below, all samples were received intact and in good condition. Samples for select parameters were subsampled and preserved in accordance with the method requirements following receipt at the laboratory. All volatile samples were received preserved in hydrochloric acid (aqueous) or in deionized water and methanol (soil volatiles).

Method(s) 8015B: One or more containers for the following sample(s) was received broken or leaking: TE-008-GW (680-30279-2).

GC/MS VOA

Library searches for the top 15 tentatively identified compounds (TIC) were performed following each volatiles analysis.

No analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for five analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 86228 had four analytes outside control limits; therefore, re-extraction was not performed. These results have been reported and qualified.

Method(s) 8270C: Insufficient sample volume was provided to perform batch matrix spike/matrix spike duplicate (MS/MSD).

Method(s) 3520C, 8270C: The method blank for preparation batch 86228 contained a target compound above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Method(s) 8270C: The following sample was diluted due to the abundance of target analytes: TE-001-GW (680-30279-3). Elevated reporting limits (RLs) are provided.

Library searches for the top 15 tentatively identified compounds (TIC) were performed following each semivolatiles analysis.

No other analytical or quality issues were noted.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

No analytical or quality issues were noted.

Metals

Tellurium was analyzed semi-quantitatively using internal calibration coefficients set in the instrument to the natural isotopic abundance for this analyte. All positive results have been flagged as estimated (flag J) due to the semi-quantitative nature of the analysis. Results are summarized on a spreadsheet provided within the body of the report.

No analytical or quality issues were noted with the metals and/or Tellurium analysis.

General Chemistry

No analytical or quality issues were noted.

Comments

No additional comments.

METHOD SUMMARY

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Description		Lab Location	Method	Preparation Method
Matrix	Water			
Volatile Organic Compounds by GC/MS		TAL SAV	SW846 8260B	
Purge-and-Trap		TAL SAV		SW846 5030B
Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)		TAL SAV	SW846 8015B	
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)		TAL SAV	SW846 8270C	
Continuous Liquid-Liquid Extraction		TAL SAV		SW846 3520C
Determination of Dithiocarbamates in Pesticides		TAL SAV	EPA 630.1	
Preparation of Dithiocarbamates in Pesticides		TAL SAV		EPA 630.1
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)		TAL SAV	SW846 8015B	
Continuous Liquid-Liquid Extraction		TAL SAV		SW846 3520C
Inductively Coupled Plasma - Mass Spectrometry		TAL SAV	SW846 6020	
Acid Digestion of Waters for Total Recoverable or		TAL SAV		SW846 3005A
Titrimetric Procedure for Acid-Soluble and Acid-Insoluble Sulfides		TAL SAV	SW846 9034	
Sulfate (Turbidimetric)		TAL SAV	SW846 9038	

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Method	Analyst	Analyst ID
SW846 8260B	Bearden, Robert	RB
SW846 8270C	Johnson, Brad	BJ
SW846 8270C	Loomis, Eric	EL
SW846 8015B	Young, Myron	MY
EPA 630.1	Waldorf, Jonathan	JW
SW846 8015B	Kellar, Joshua	JK
SW846 6020	Boyuk, Brian	BB
SW846 6020	Eaton, Cliff	CE
SW846 9034	Vasquez, Juana	JV
SW846 9038	Ross, Jon	JR

SAMPLE SUMMARY

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-30279-1	TE-009-GW	Water	09/17/2007 0930	09/20/2007 1115
680-30279-2	TE-008-GW	Water	09/17/2007 1115	09/20/2007 1115
680-30279-3	TE-001-GW	Water	09/17/2007 1420	09/20/2007 1115

SAMPLE RESULTS

Mr. Bruce Yare
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Client Sample ID: TE-009-GW
Lab Sample ID: 680-30279-1

Date Sampled: 09/17/2007 0930
Date Received: 09/20/2007 1115
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260B			Date Analyzed:	09/26/2007 1808		
Prep Method: 5030B			Date Prepared:	09/26/2007 1808		
Acetone	10	J	ug/L	5.0	25	1.0
Benzene	1.0	U	ug/L	0.32	1.0	1.0
Bromodichloromethane	1.0	U	ug/L	0.34	1.0	1.0
Bromoform	1.0	U	ug/L	0.41	1.0	1.0
Bromomethane	1.0	U	ug/L	0.50	1.0	1.0
Carbon disulfide	2.0	U	ug/L	0.17	2.0	1.0
Carbon tetrachloride	1.0	U	ug/L	0.27	1.0	1.0
Chlorobenzene	1.0	U	ug/L	0.34	1.0	1.0
Chloroethane	1.0	U	ug/L	1.0	1.0	1.0
Chloroform	1.0	U	ug/L	0.29	1.0	1.0
Chloromethane	1.7		ug/L	0.28	1.0	1.0
cis-1,2-Dichloroethene	1.0	U	ug/L	0.33	1.0	1.0
cis-1,3-Dichloropropene	1.0	U	ug/L	0.37	1.0	1.0
Cyclohexane	1.0	U	ug/L	1.0	1.0	1.0
Dibromochloromethane	1.0	U	ug/L	0.30	1.0	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	ug/L	0.48	1.0	1.0
1,2-Dibromoethane	1.0	U	ug/L	0.30	1.0	1.0
1,2-Dichlorobenzene	1.0	U	ug/L	0.33	1.0	1.0
1,3-Dichlorobenzene	1.0	U	ug/L	0.31	1.0	1.0
1,4-Dichlorobenzene	1.0	U	ug/L	0.33	1.0	1.0
Dichlorodifluoromethane	1.0	U	ug/L	0.33	1.0	1.0
1,1-Dichloroethane	1.0	U	ug/L	0.32	1.0	1.0
1,2-Dichloroethane	1.0	U	ug/L	0.31	1.0	1.0
1,1-Dichloroethene	1.0	U	ug/L	0.36	1.0	1.0
1,2-Dichloropropane	1.0	U	ug/L	0.36	1.0	1.0
Ethylbenzene	0.32	J	ug/L	0.30	1.0	1.0
2-Hexanone	10	U	ug/L	0.68	10	1.0
Isopropylbenzene	1.0	U	ug/L	0.27	1.0	1.0
Methyl acetate	1.0	U	ug/L	0.42	1.0	1.0
Methylcyclohexane	1.0	U	ug/L	0.25	1.0	1.0
Methylene Chloride	5.0	U	ug/L	1.0	5.0	1.0
Methyl ethyl ketone (MEK)	10	U	ug/L	0.60	10	1.0
Methyl isobutyl ketone (MIBK)	10	U	ug/L	0.60	10	1.0
Methyl tert-butyl ether	10	U	ug/L	0.58	10	1.0
Styrene	1.0	U	ug/L	0.36	1.0	1.0
1,1,2,2-Tetrachloroethane	1.0	U	ug/L	0.26	1.0	1.0
Tetrachloroethene	0.98	J	ug/L	0.28	1.0	1.0
Toluene	3.6		ug/L	0.31	1.0	1.0
trans-1,2-Dichloroethene	1.0	U	ug/L	0.30	1.0	1.0

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Date Sampled: 09/17/2007 0930
Date Received: 09/20/2007 1115
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
trans-1,3-Dichloropropene	1.0	U	ug/L	0.27	1.0	1.0
1,2,4-Trichlorobenzene	1.0	U	ug/L	0.35	1.0	1.0
1,1,1-Trichloroethane	1.0	U	ug/L	0.39	1.0	1.0
1,1,2-Trichloroethane	1.0	U	ug/L	0.51	1.0	1.0
Trichloroethene	1.0	U	ug/L	0.40	1.0	1.0
Trichlorofluoromethane	1.0	U	ug/L	0.29	1.0	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	ug/L	0.35	1.0	1.0
1,2,4-Trimethylbenzene	1.0	U	ug/L	0.27	1.0	1.0
1,3,5-Trimethylbenzene	1.0	U	ug/L	0.28	1.0	1.0
Vinyl chloride	1.0	U	ug/L	0.20	1.0	1.0
Xylenes, Total	1.3	J	ug/L	0.87	2.0	1.0
Surrogate	Acceptance Limits					
4-Bromofluorobenzene	97		%		75 - 120	
Dibromofluoromethane	92		%		75 - 121	
Toluene-d8 (Surr)	100		%		75 - 120	
Tentatively Identified Compounds				Cas Number	RT	
Carbon dioxide	240	B J N	ug/L	124-38-9	0.96	1.0
Unknown	12	J	ug/L		1.06	1.0
Unknown	7.8	J	ug/L		1.26	1.0
Unknown	5.3	J	ug/L		3.00	1.0
Naphthalene, 1,4-dimethyl-	5.4	J N	ug/L	571-58-4	9.06	1.0
Method: 8270C				Date Analyzed:	09/30/2007 1939	
Prep Method: 3520C				Date Prepared:	09/24/2007 1300	
Acenaphthene	10	U	ug/L	0.50	10	1.0
Acenaphthylene	10	U	ug/L	0.50	10	1.0
Acetophenone	10	U *	ug/L	0.50	10	1.0
Aniline	20	U	ug/L	8.6	20	1.0
Anthracene	10	U	ug/L	0.50	10	1.0
Atrazine	10	U *	ug/L	4.0	10	1.0
Benzaldehyde	10	U	ug/L	1.3	10	1.0
Benzidine	80	U *	ug/L	4.1	80	1.0
Benzo[a]anthracene	10	U	ug/L	0.50	10	1.0
Benzo[a]pyrene	10	U	ug/L	0.50	10	1.0
Benzo[b]fluoranthene	10	U	ug/L	0.67	10	1.0
Benzo[g,h,i]perylene	10	U	ug/L	0.67	10	1.0
Benzo[k]fluoranthene	10	U	ug/L	0.50	10	1.0
Benzyl alcohol	10	U	ug/L	0.80	10	1.0
1,1'-Biphenyl	10	U	ug/L	0.50	10	1.0
Bis(2-chloroethoxy)methane	10	U	ug/L	0.50	10	1.0

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Date Sampled: 09/17/2007 0930
Date Received: 09/20/2007 1115
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Bis(2-chloroethyl)ether	10	U	ug/L	0.59	10	1.0
Bis(2-ethylhexyl) phthalate	10	U	ug/L	0.94	10	1.0
4-Bromophenyl phenyl ether	10	U	ug/L	0.50	10	1.0
Butyl benzyl phthalate	10	U	ug/L	0.74	10	1.0
Caprolactam	10	U	ug/L	5.0	10	1.0
4-Chloroaniline	20	U	ug/L	4.8	20	1.0
4-Chloro-3-methylphenol	10	U	ug/L	0.52	10	1.0
2-Chloronaphthalene	10	U	ug/L	0.50	10	1.0
2-Chlorophenol	10	U	ug/L	1.0	10	1.0
4-Chlorophenyl phenyl ether	10	U	ug/L	1.0	10	1.0
Chrysene	10	U	ug/L	0.50	10	1.0
Dibenz(a,h)anthracene	10	U	ug/L	0.50	10	1.0
Dibenzofuran	10	U	ug/L	0.50	10	1.0
3,3'-Dichlorobenzidine	20	U *	ug/L	3.2	20	1.0
2,4-Dichlorophenol	10	U	ug/L	1.0	10	1.0
Diethyl phthalate	10	U	ug/L	0.50	10	1.0
2,4-Dimethylphenol	10	U	ug/L	1.1	10	1.0
Dimethyl phthalate	10	U	ug/L	5.0	10	1.0
Di-n-butyl phthalate	0.59	J B	ug/L	0.50	10	1.0
4,6-Dinitro-2-methylphenol	50	U	ug/L	5.0	50	1.0
2,4-Dinitrophenol	50	U	ug/L	10	50	1.0
2,4-Dinitrotoluene	10	U	ug/L	0.50	10	1.0
2,6-Dinitrotoluene	10	U	ug/L	0.50	10	1.0
Di-n-octyl phthalate	10	U	ug/L	0.76	10	1.0
1,4-Dioxane	10	U	ug/L	2.6	10	1.0
Fluoranthene	10	U	ug/L	0.50	10	1.0
Fluorene	10	U	ug/L	0.50	10	1.0
Hexachlorobenzene	10	U	ug/L	0.50	10	1.0
Hexachlorobutadiene	10	U	ug/L	5.0	10	1.0
Hexachlorocyclopentadiene	10	U	ug/L	5.0	10	1.0
Hexachloroethane	10	U	ug/L	0.50	10	1.0
Indeno[1,2,3-cd]pyrene	10	U	ug/L	0.86	10	1.0
Isophorone	10	U	ug/L	0.50	10	1.0
Mercaptobenzothiazole	50	U	ug/L	50	50	1.0
2-Methylnaphthalene	10	U	ug/L	0.50	10	1.0
2-Methylphenol	10	U	ug/L	0.64	10	1.0
3 & 4 Methylphenol	10	U	ug/L	1.0	10	1.0
Naphthalene	10	U	ug/L	0.50	10	1.0
2-Nitroaniline	50	U	ug/L	5.0	50	1.0
3-Nitroaniline	50	U	ug/L	2.8	50	1.0
4-Nitroaniline	50	U	ug/L	2.0	50	1.0

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Client Sample ID: TE-009-GW
Lab Sample ID: 680-30279-1

Date Sampled: 09/17/2007 0930
Date Received: 09/20/2007 1115
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Nitrobenzene	10	U	ug/L	0.50	10	1.0
2-Nitrophenol	10	U	ug/L	5.0	10	1.0
4-Nitrophenol	50	U	ug/L	10	50	1.0
N-Nitrosodimethylamine	10	U	ug/L	1.2	10	1.0
N-Nitrosodi-n-propylamine	10	U	ug/L	0.50	10	1.0
N-Nitrosodiphenylamine	10	U	ug/L	0.73	10	1.0
2,2'-oxybis[1-chloropropane]	10	U	ug/L	0.50	10	1.0
Pentachlorophenol	50	U	ug/L	5.0	50	1.0
Phenanthrene	10	U	ug/L	0.50	10	1.0
Phenol	10	U	ug/L	0.50	10	1.0
Pyrene	10	U	ug/L	0.50	10	1.0
2,4,5-Trichlorophenol	10	U	ug/L	0.80	10	1.0
2,4,6-Trichlorophenol	10	U	ug/L	0.50	10	1.0
Surrogate	Acceptance Limits					
2-Fluorobiphenyl	50		%		50 - 113	
2-Fluorophenol	53		%		36 - 110	
Nitrobenzene-d5	61		%		45 - 112	
Phenol-d5	57		%		38 - 116	
Terphenyl-d14	67		%		10 - 121	
2,4,6-Tribromophenol	91		%		40 - 139	
Tentatively Identified Compounds				Cas Number	RT	
Unknown Aldol Condensate	19	A J	ug/L		3.19	1.0
Unknown Aldol Condensate	13	A J	ug/L		3.22	1.0
Unknown Alkane	4.5	J	ug/L		4.01	1.0
Unknown Alkene	6.7	J	ug/L		4.07	1.0
Unknown	5.3	J	ug/L		5.34	1.0
Benzothiazole	13	J N	ug/L	95-16-9	5.90	1.0
1,2,3-Benzothiadiazole	18	J N	ug/L	273-77-8	6.06	1.0
Benzonitrile, 2,6-dichloro-	5.5	J N	ug/L	1194-65-6	6.45	1.0
Unknown Organic Acid	5.0	J	ug/L		7.46	1.0
Unknown	5.2	J	ug/L		7.61	1.0
Benzamide, 2,6-dichloro-	5.3	J N	ug/L	2008-58-4	7.85	1.0
2(3H)-Benzothiazolone	28	J N	ug/L	934-34-9	7.91	1.0
Unknown Amide	9.8	J	ug/L		8.30	1.0
Unknown Ketone	5.7	J	ug/L		9.12	1.0
Unknown Ketone	4.6	J	ug/L		9.27	1.0
Method: 8015B	Date Analyzed: 09/26/2007 0136					
Dibenzylamine	5.0	U	mg/L	5.0	5.0	1.0
Diethylamine	5.0	U	mg/L	5.0	5.0	1.0

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Client Sample ID: TE-009-GW
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Date Sampled: 09/17/2007 0930
Date Received: 09/20/2007 1115
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Dimethylamine	5.0	U	mg/L	5.0	5.0	1.0
Dibutyl amine	5.0	U	mg/L	5.0	5.0	1.0
Method: 630.1			Date Analyzed: 10/05/2007 0046			
Prep Method: 630.1			Date Prepared: 09/29/2007 1455			
Dithiocarbamates, Total	1.6	U	mg/L	1.6	1.6	1.0
Method: 8015B			Date Analyzed: 09/28/2007 1603			
Prep Method: 3520C			Date Prepared: 09/24/2007 1300			
Mineral oil	0.50	U	mg/L	0.50	0.50	1.0
Surrogate	Acceptance Limits					
o-Terphenyl	101		%	30 - 165		
Method: Total Recoverable-6020			Date Analyzed: 09/25/2007 2051			
Prep Method: 3005A			Date Prepared: 09/24/2007 1427			
Nickel	0.014		mg/L	0.00032	0.0010	1.0
Sodium	150		mg/L	0.090	0.25	1.0
Zinc	0.032		mg/L	0.0065	0.020	1.0

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Date Sampled: 09/17/2007 0930
Date Received: 09/20/2007 1115
Client Matrix: Water

Analyte	Result/Qualifier		Unit	RL	RL	Dilution
Method: 9034			Date Analyzed:		09/20/2007 1058	
Sulfide	1.0	U	mg/L	1.0	1.0	1.0
Method: 9038			Date Analyzed:		09/28/2007 1614	
Sulfate	500		mg/L	100	100	20

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Client Sample ID: TE-008-GW
Lab Sample ID: 680-30279-2

Date Sampled: 09/17/2007 1115
Date Received: 09/20/2007 1115
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260B			Date Analyzed:	09/26/2007 1836		
Prep Method: 5030B			Date Prepared:	09/26/2007 1836		
Acetone	16	J	ug/L	5.0	25	1.0
Benzene	1.0	U	ug/L	0.32	1.0	1.0
Bromodichloromethane	1.0	U	ug/L	0.34	1.0	1.0
Bromoform	1.0	U	ug/L	0.41	1.0	1.0
Bromomethane	1.0	U	ug/L	0.50	1.0	1.0
Carbon disulfide	1.3	J	ug/L	0.17	2.0	1.0
Carbon tetrachloride	1.0	U	ug/L	0.27	1.0	1.0
Chlorobenzene	1.9		ug/L	0.34	1.0	1.0
Chloroethane	1.0	U	ug/L	1.0	1.0	1.0
Chloroform	1.0	U	ug/L	0.29	1.0	1.0
Chloromethane	1.0		ug/L	0.28	1.0	1.0
cis-1,2-Dichloroethene	1.0	U	ug/L	0.33	1.0	1.0
cis-1,3-Dichloropropene	1.0	U	ug/L	0.37	1.0	1.0
Cyclohexane	1.0	U	ug/L	1.0	1.0	1.0
Dibromochloromethane	1.0	U	ug/L	0.30	1.0	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	ug/L	0.48	1.0	1.0
1,2-Dibromoethane	1.0	U	ug/L	0.30	1.0	1.0
1,2-Dichlorobenzene	1.0	U	ug/L	0.33	1.0	1.0
1,3-Dichlorobenzene	1.0	U	ug/L	0.31	1.0	1.0
1,4-Dichlorobenzene	1.0	U	ug/L	0.33	1.0	1.0
Dichlorodifluoromethane	1.0	U	ug/L	0.33	1.0	1.0
1,1-Dichloroethane	1.0	U	ug/L	0.32	1.0	1.0
1,2-Dichloroethane	1.0	U	ug/L	0.31	1.0	1.0
1,1-Dichloroethene	1.0	U	ug/L	0.36	1.0	1.0
1,2-Dichloropropane	1.0	U	ug/L	0.36	1.0	1.0
Ethylbenzene	1.0	U	ug/L	0.30	1.0	1.0
2-Hexanone	10	U	ug/L	0.68	10	1.0
Isopropylbenzene	1.0	U	ug/L	0.27	1.0	1.0
Methyl acetate	1.0	U	ug/L	0.42	1.0	1.0
Methylcyclohexane	1.0	U	ug/L	0.25	1.0	1.0
Methylene Chloride	5.0	U	ug/L	1.0	5.0	1.0
Methyl ethyl ketone (MEK)	2.2	J	ug/L	0.60	10	1.0
Methyl isobutyl ketone (MIBK)	10	U	ug/L	0.60	10	1.0
Methyl tert-butyl ether	10	U	ug/L	0.58	10	1.0
Styrene	1.0	U	ug/L	0.36	1.0	1.0
1,1,2,2-Tetrachloroethane	1.0	U	ug/L	0.26	1.0	1.0
Tetrachloroethene	1.1		ug/L	0.28	1.0	1.0
Toluene	8.9		ug/L	0.31	1.0	1.0
trans-1,2-Dichloroethene	1.0	U	ug/L	0.30	1.0	1.0

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Job Number: 680-30279-1
Sdg Number: FLX011

Client Sample ID: TE-008-GW
Lab Sample ID: 680-30279-2

Date Sampled: 09/17/2007 1115
Date Received: 09/20/2007 1115
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
trans-1,3-Dichloropropene	1.0	U	ug/L	0.27	1.0	1.0
1,2,4-Trichlorobenzene	1.0	U	ug/L	0.35	1.0	1.0
1,1,1-Trichloroethane	1.0	U	ug/L	0.39	1.0	1.0
1,1,2-Trichloroethane	1.0	U	ug/L	0.51	1.0	1.0
Trichloroethene	1.0	U	ug/L	0.40	1.0	1.0
Trichlorofluoromethane	1.0	U	ug/L	0.29	1.0	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	ug/L	0.35	1.0	1.0
1,2,4-Trimethylbenzene	0.46	J	ug/L	0.27	1.0	1.0
1,3,5-Trimethylbenzene	1.0	U	ug/L	0.28	1.0	1.0
Vinyl chloride	1.0	U	ug/L	0.20	1.0	1.0
Xylenes, Total	1.1	J	ug/L	0.87	2.0	1.0
Surrogate	Acceptance Limits					
4-Bromofluorobenzene	97		%		75 - 120	
Dibromofluoromethane	94		%		75 - 121	
Toluene-d8 (Surr)	100		%		75 - 120	
Tentatively Identified Compounds				Cas Number	RT	
Carbon dioxide	170	B J N	ug/L	124-38-9	0.97	1.0
Unknown	6.1	J	ug/L		1.26	1.0
Unknown	5.3	J	ug/L		3.00	1.0
Method: 8270C				Date Analyzed:	09/30/2007 2001	
Prep Method: 3520C				Date Prepared:	09/24/2007 1300	
Acenaphthene	10	U	ug/L	0.50	10	1.0
Acenaphthylene	10	U	ug/L	0.50	10	1.0
Acetophenone	0.95	J *	ug/L	0.50	10	1.0
Aniline	20	U	ug/L	8.6	20	1.0
Anthracene	10	U	ug/L	0.50	10	1.0
Atrazine	10	U *	ug/L	4.0	10	1.0
Benzaldehyde	8.5	J	ug/L	1.3	10	1.0
Benzidine	80	U *	ug/L	4.1	80	1.0
Benzo[a]anthracene	10	U	ug/L	0.50	10	1.0
Benzo[a]pyrene	10	U	ug/L	0.50	10	1.0
Benzo[b]fluoranthene	10	U	ug/L	0.67	10	1.0
Benzo[g,h,i]perylene	10	U	ug/L	0.67	10	1.0
Benzo[k]fluoranthene	10	U	ug/L	0.50	10	1.0
Benzyl alcohol	2.5	J	ug/L	0.80	10	1.0
1,1'-Biphenyl	10	U	ug/L	0.50	10	1.0
Bis(2-chloroethoxy)methane	10	U	ug/L	0.50	10	1.0
Bis(2-chloroethyl)ether	10	U	ug/L	0.59	10	1.0
Bis(2-ethylhexyl) phthalate	10	U	ug/L	0.94	10	1.0

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Job Number: 680-30279-1
Sdg Number: FLX011

Client Sample ID: TE-008-GW
Lab Sample ID: 680-30279-2

Date Sampled: 09/17/2007 1115
Date Received: 09/20/2007 1115
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
4-Bromophenyl phenyl ether	10	U	ug/L	0.50	10	1.0
Butyl benzyl phthalate	10	U	ug/L	0.74	10	1.0
Caprolactam	10	U	ug/L	5.0	10	1.0
4-Chloroaniline	20	U	ug/L	4.8	20	1.0
4-Chloro-3-methylphenol	10	U	ug/L	0.52	10	1.0
2-Chloronaphthalene	10	U	ug/L	0.50	10	1.0
2-Chlorophenol	10	U	ug/L	1.0	10	1.0
4-Chlorophenyl phenyl ether	10	U	ug/L	1.0	10	1.0
Chrysene	10	U	ug/L	0.50	10	1.0
Dibenz(a,h)anthracene	10	U	ug/L	0.50	10	1.0
Dibenzofuran	10	U	ug/L	0.50	10	1.0
3,3'-Dichlorobenzidine	20	U *	ug/L	3.2	20	1.0
2,4-Dichlorophenol	10	U	ug/L	1.0	10	1.0
Diethyl phthalate	10	U	ug/L	0.50	10	1.0
2,4-Dimethylphenol	10	U	ug/L	1.1	10	1.0
Dimethyl phthalate	10	U	ug/L	5.0	10	1.0
Di-n-butyl phthalate	0.97	J B	ug/L	0.50	10	1.0
4,6-Dinitro-2-methylphenol	50	U	ug/L	5.0	50	1.0
2,4-Dinitrophenol	50	U	ug/L	10	50	1.0
2,4-Dinitrotoluene	10	U	ug/L	0.50	10	1.0
2,6-Dinitrotoluene	10	U	ug/L	0.50	10	1.0
Di-n-octyl phthalate	10	U	ug/L	0.76	10	1.0
1,4-Dioxane	10	U	ug/L	2.6	10	1.0
Fluoranthene	10	U	ug/L	0.50	10	1.0
Fluorene	10	U	ug/L	0.50	10	1.0
Hexachlorobenzene	10	U	ug/L	0.50	10	1.0
Hexachlorobutadiene	10	U	ug/L	5.0	10	1.0
Hexachlorocyclopentadiene	10	U	ug/L	5.0	10	1.0
Hexachloroethane	10	U	ug/L	0.50	10	1.0
Indeno[1,2,3-cd]pyrene	10	U	ug/L	0.86	10	1.0
Isophorone	10	U	ug/L	0.50	10	1.0
Mercaptobenzothiazole	390		ug/L	50	50	1.0
2-Methylnaphthalene	10	U	ug/L	0.50	10	1.0
2-Methylphenol	10	U	ug/L	0.64	10	1.0
3 & 4 Methylphenol	10	U	ug/L	1.0	10	1.0
Naphthalene	10	U	ug/L	0.50	10	1.0
2-Nitroaniline	50	U	ug/L	5.0	50	1.0
3-Nitroaniline	50	U	ug/L	2.8	50	1.0
4-Nitroaniline	50	U	ug/L	2.0	50	1.0
Nitrobenzene	10	U	ug/L	0.50	10	1.0
2-Nitrophenol	10	U	ug/L	5.0	10	1.0

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Job Number: 680-30279-1
Sdg Number: FLX011

Client Sample ID: TE-008-GW
Lab Sample ID: 680-30279-2

Date Sampled: 09/17/2007 1115
Date Received: 09/20/2007 1115
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
4-Nitrophenol	50	U	ug/L	10	50	1.0
N-Nitrosodimethylamine	10	U	ug/L	1.2	10	1.0
N-Nitrosodi-n-propylamine	10	U	ug/L	0.50	10	1.0
N-Nitrosodiphenylamine	10	U	ug/L	0.73	10	1.0
2,2'-oxybis[1-chloropropane]	10	U	ug/L	0.50	10	1.0
Pentachlorophenol	50	U	ug/L	5.0	50	1.0
Phenanthrene	10	U	ug/L	0.50	10	1.0
Phenol	10	U	ug/L	0.50	10	1.0
Pyrene	10	U	ug/L	0.50	10	1.0
2,4,5-Trichlorophenol	10	U	ug/L	0.80	10	1.0
2,4,6-Trichlorophenol	10	U	ug/L	0.50	10	1.0
Surrogate	Acceptance Limits					
2-Fluorobiphenyl	69		%		50 - 113	
2-Fluorophenol	78		%		36 - 110	
Nitrobenzene-d5	88		%		45 - 112	
Phenol-d5	86		%		38 - 116	
Terphenyl-d14	61		%		10 - 121	
2,4,6-Tribromophenol	111		%		40 - 139	
Tentatively Identified Compounds				Cas Number	RT	
Unknown Aldol Condensate	29	A J	ug/L		3.19	1.0
Unknown Amide	10	J	ug/L		3.94	1.0
Unknown	16	J	ug/L		4.78	1.0
Benzothiazole	94	J N	ug/L	95-16-9	5.90	1.0
1,2,3-Benzothiadiazole	53	J N	ug/L	273-77-8	6.05	1.0
Unknown Organic Acid	11	J	ug/L		6.11	1.0
Unknown	11	J	ug/L		7.22	1.0
Benzothiazole, 2-(methylthio)-	37	J N	ug/L	615-22-5	7.69	1.0
2(3H)-Benzothiazolone	310	J N	ug/L	934-34-9	7.93	1.0
Benzenemethanamine, N-(phenylmethyl)-	58	J N	ug/L	103-49-1	8.14	1.0
Unknown	31	J	ug/L		9.15	1.0
Unknown	12	J	ug/L		9.27	1.0
Unknown	35	J	ug/L		9.48	1.0
Unknown	12	J	ug/L		9.65	1.0
Unknown Amine	40	J	ug/L		11.02	1.0
Method: 8015B	Date Analyzed: 09/26/2007 0210					
Dibenzylamine	5.0	U	mg/L	5.0	5.0	1.0
Diethylamine	5.0	U	mg/L	5.0	5.0	1.0
Dimethylamine	5.0	U	mg/L	5.0	5.0	1.0
Dibutyl amine	5.0	U	mg/L	5.0	5.0	1.0

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Job Number: 680-30279-1
Sdg Number: FLX011

Client Sample ID: TE-008-GW
Lab Sample ID: 680-30279-2

Date Sampled: 09/17/2007 1115
Date Received: 09/20/2007 1115
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 630.1			Date Analyzed:	10/05/2007 0024	
Prep Method: 630.1			Date Prepared:	09/29/2007 1455	
Dithiocarbamates, Total	1.6 U	mg/L	1.6	1.6	1.0
Method: 8015B			Date Analyzed:	09/28/2007 1629	
Prep Method: 3520C			Date Prepared:	09/24/2007 1300	
Mineral oil	2.1	mg/L	0.50	0.50	1.0
Surrogate			Acceptance Limits		
o-Terphenyl	107	%		30 - 165	
Method: Total Recoverable-6020			Date Analyzed:	09/25/2007 2126	
Prep Method: 3005A			Date Prepared:	09/24/2007 1427	
Nickel	0.029	mg/L	0.00032	0.0010	1.0
Zinc	0.057	mg/L	0.0065	0.020	1.0
Method: Total Recoverable-6020			Date Analyzed:	09/26/2007 1654	
Prep Method: 3005A			Date Prepared:	09/24/2007 1427	
Sodium	510	mg/L	0.36	1.0	4.0

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Job Number: 680-30279-1
Sdg Number: FLX011

Client Sample ID: TE-008-GW
Lab Sample ID: 680-30279-2

Date Sampled: 09/17/2007 1115
Date Received: 09/20/2007 1115
Client Matrix: Water

Analyte	Result/Qualifier		Unit	RL	RL	Dilution
Method: 9034			Date Analyzed:		09/20/2007 1058	
Sulfide	1.0	U	mg/L	1.0	1.0	1.0
Method: 9038			Date Analyzed:		09/28/2007 1610	
Sulfate	1200		mg/L	200	200	40

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Job Number: 680-30279-1
Sdg Number: FLX011

Client Sample ID: TE-001-GW
Lab Sample ID: 680-30279-3

Date Sampled: 09/17/2007 1420
Date Received: 09/20/2007 1115
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260B			Date Analyzed:	09/26/2007 1905		
Prep Method: 5030B			Date Prepared:	09/26/2007 1905		
Acetone	14	J	ug/L	5.0	25	1.0
Benzene	0.72	J	ug/L	0.32	1.0	1.0
Bromodichloromethane	1.0	U	ug/L	0.34	1.0	1.0
Bromoform	1.0	U	ug/L	0.41	1.0	1.0
Bromomethane	1.0	U	ug/L	0.50	1.0	1.0
Carbon disulfide	1.1	J	ug/L	0.17	2.0	1.0
Carbon tetrachloride	1.0	U	ug/L	0.27	1.0	1.0
Chlorobenzene	1.0	U	ug/L	0.34	1.0	1.0
Chloroethane	1.0	U	ug/L	1.0	1.0	1.0
Chloroform	500	E	ug/L	0.29	1.0	1.0
Chloromethane	1.0	U	ug/L	0.28	1.0	1.0
cis-1,2-Dichloroethene	0.67	J	ug/L	0.33	1.0	1.0
cis-1,3-Dichloropropene	1.0	U	ug/L	0.37	1.0	1.0
Cyclohexane	1.0	U	ug/L	1.0	1.0	1.0
Dibromochloromethane	1.0	U	ug/L	0.30	1.0	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	ug/L	0.48	1.0	1.0
1,2-Dibromoethane	1.0	U	ug/L	0.30	1.0	1.0
1,2-Dichlorobenzene	1.0	U	ug/L	0.33	1.0	1.0
1,3-Dichlorobenzene	1.0	U	ug/L	0.31	1.0	1.0
1,4-Dichlorobenzene	1.0	U	ug/L	0.33	1.0	1.0
Dichlorodifluoromethane	1.0	U	ug/L	0.33	1.0	1.0
1,1-Dichloroethane	1.2		ug/L	0.32	1.0	1.0
1,2-Dichloroethane	1.0	U	ug/L	0.31	1.0	1.0
1,1-Dichloroethene	1.0	U	ug/L	0.36	1.0	1.0
1,2-Dichloropropane	1.2		ug/L	0.36	1.0	1.0
Ethylbenzene	0.50	J	ug/L	0.30	1.0	1.0
2-Hexanone	10	U	ug/L	0.68	10	1.0
Isopropylbenzene	1.0	U	ug/L	0.27	1.0	1.0
Methyl acetate	1.0	U	ug/L	0.42	1.0	1.0
Methylcyclohexane	1.0	U	ug/L	0.25	1.0	1.0
Methylene Chloride	23		ug/L	1.0	5.0	1.0
Methyl ethyl ketone (MEK)	10	U	ug/L	0.60	10	1.0
Methyl isobutyl ketone (MIBK)	10	U	ug/L	0.60	10	1.0
Methyl tert-butyl ether	10	U	ug/L	0.58	10	1.0
Styrene	1.0	U	ug/L	0.36	1.0	1.0
1,1,2,2-Tetrachloroethane	1.0	U	ug/L	0.26	1.0	1.0
Tetrachloroethene	0.86	J	ug/L	0.28	1.0	1.0
Toluene	12		ug/L	0.31	1.0	1.0
trans-1,2-Dichloroethene	1.0	U	ug/L	0.30	1.0	1.0

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Job Number: 680-30279-1
Sdg Number: FLX011

Client Sample ID: TE-001-GW
Lab Sample ID: 680-30279-3

Date Sampled: 09/17/2007 1420
Date Received: 09/20/2007 1115
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
trans-1,3-Dichloropropene	1.0	U	ug/L	0.27	1.0	1.0
1,2,4-Trichlorobenzene	1.0	U	ug/L	0.35	1.0	1.0
1,1,1-Trichloroethane	1.0	U	ug/L	0.39	1.0	1.0
1,1,2-Trichloroethane	1.0	U	ug/L	0.51	1.0	1.0
Trichloroethene	1.0	U	ug/L	0.40	1.0	1.0
Trichlorofluoromethane	1.0	U	ug/L	0.29	1.0	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	ug/L	0.35	1.0	1.0
1,2,4-Trimethylbenzene	1.0	U	ug/L	0.27	1.0	1.0
1,3,5-Trimethylbenzene	1.0	U	ug/L	0.28	1.0	1.0
Vinyl chloride	1.0	U	ug/L	0.20	1.0	1.0
Xylenes, Total	1.1	J	ug/L	0.87	2.0	1.0

Surrogate	Acceptance Limits					
4-Bromofluorobenzene	96		%		75 - 120	
Dibromofluoromethane	95		%		75 - 121	
Toluene-d8 (Surr)	101		%		75 - 120	

Tentatively Identified Compounds				Cas Number	RT	
Carbon dioxide	270	B J N	ug/L	124-38-9	0.97	1.0
Unknown	7.4	J	ug/L		1.15	1.0

Method: 8260B **Run Type:** DL
Prep Method: 5030B

Date Analyzed: 09/28/2007 1948
Date Prepared: 09/28/2007 1948

Tentatively Identified Compounds				Cas Number	RT	
Carbon Dioxide	750	B J N	ug/L	124-38-9	1.00	5.0
Acetone	130	U	ug/L	25	130	5.0
Benzene	2.9	J D	ug/L	1.6	5.0	5.0
Bromodichloromethane	5.0	U	ug/L	1.7	5.0	5.0
Bromoform	5.0	U	ug/L	2.1	5.0	5.0
Bromomethane	5.0	U	ug/L	2.5	5.0	5.0
Carbon disulfide	2.6	J D	ug/L	0.85	10	5.0
Carbon tetrachloride	5.0	U	ug/L	1.4	5.0	5.0
Chlorobenzene	12	D	ug/L	1.7	5.0	5.0
Chloroethane	5.0	U	ug/L	5.0	5.0	5.0
Chloroform	310	D	ug/L	1.5	5.0	5.0
Chloromethane	5.0	U	ug/L	1.4	5.0	5.0
cis-1,2-Dichloroethene	5.0	U	ug/L	1.7	5.0	5.0
cis-1,3-Dichloropropene	5.0	U	ug/L	1.9	5.0	5.0
Cyclohexane	5.0	U	ug/L	5.0	5.0	5.0
Dibromochloromethane	5.0	U	ug/L	1.5	5.0	5.0
1,2-Dibromo-3-Chloropropane	5.0	U	ug/L	2.4	5.0	5.0
1,2-Dibromoethane	5.0	U	ug/L	1.5	5.0	5.0

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Job Number: 680-30279-1
Sdg Number: FLX011

Client Sample ID: TE-001-GW
Lab Sample ID: 680-30279-3

Date Sampled: 09/17/2007 1420
Date Received: 09/20/2007 1115
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
1,2-Dichlorobenzene	5.0	U	ug/L	1.7	5.0	5.0
1,3-Dichlorobenzene	5.0	U	ug/L	1.6	5.0	5.0
1,4-Dichlorobenzene	5.0	U	ug/L	1.7	5.0	5.0
Dichlorodifluoromethane	5.0	U	ug/L	1.7	5.0	5.0
1,1-Dichloroethane	5.0	U	ug/L	1.6	5.0	5.0
1,2-Dichloroethane	5.0	U	ug/L	1.6	5.0	5.0
1,1-Dichloroethene	5.0	U	ug/L	1.8	5.0	5.0
1,2-Dichloropropane	5.0	U	ug/L	1.8	5.0	5.0
Ethylbenzene	5.0	U	ug/L	1.5	5.0	5.0
2-Hexanone	50	U	ug/L	3.4	50	5.0
Isopropylbenzene	5.0	U	ug/L	1.4	5.0	5.0
Methyl acetate	5.0	U	ug/L	2.1	5.0	5.0
Methylcyclohexane	5.0	U	ug/L	1.3	5.0	5.0
Methylene Chloride	17	J D	ug/L	5.0	25	5.0
Methyl ethyl ketone (MEK)	50	U	ug/L	3.0	50	5.0
Methyl isobutyl ketone (MIBK)	50	U	ug/L	3.0	50	5.0
Methyl tert-butyl ether	50	U	ug/L	2.9	50	5.0
Styrene	5.0	U	ug/L	1.8	5.0	5.0
1,1,2,2-Tetrachloroethane	5.0	U	ug/L	1.3	5.0	5.0
Tetrachloroethene	5.0	U	ug/L	1.4	5.0	5.0
Toluene	14	D	ug/L	1.6	5.0	5.0
trans-1,2-Dichloroethene	5.0	U	ug/L	1.5	5.0	5.0
trans-1,3-Dichloropropene	5.0	U	ug/L	1.4	5.0	5.0
1,2,4-Trichlorobenzene	5.0	U	ug/L	1.8	5.0	5.0
1,1,1-Trichloroethane	5.0	U	ug/L	2.0	5.0	5.0
1,1,2-Trichloroethane	5.0	U	ug/L	2.6	5.0	5.0
Trichloroethene	5.0	U	ug/L	2.0	5.0	5.0
Trichlorofluoromethane	5.0	U	ug/L	1.5	5.0	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	ug/L	1.8	5.0	5.0
1,2,4-Trimethylbenzene	5.0	U	ug/L	1.4	5.0	5.0
1,3,5-Trimethylbenzene	5.0	U	ug/L	1.4	5.0	5.0
Vinyl chloride	5.0	U	ug/L	1.0	5.0	5.0
Xylenes, Total	10	U	ug/L	4.4	10	5.0
Surrogate				Acceptance Limits		
4-Bromofluorobenzene	101		%	75 - 120		
Dibromofluoromethane	94		%	75 - 121		
Toluene-d8 (Surr)	102		%	75 - 120		
Method: 8270C				Date Analyzed:	10/01/2007 1117	
Prep Method: 3520C				Date Prepared:	09/24/2007 1300	
Acenaphthene	100	U	ug/L	5.0	100	10

Mr. Bruce Yare
Solutia Inc.
575 Maryville Centre Dr.
Saint Louis, MO 63141

Job Number: 680-30279-1
Sdg Number: FLX011

Client Sample ID: TE-001-GW
Lab Sample ID: 680-30279-3

Date Sampled: 09/17/2007 1420
Date Received: 09/20/2007 1115
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Acenaphthylene	100	U	ug/L	5.0	100	10
Acetophenone	100	U *	ug/L	5.0	100	10
Aniline	200	U	ug/L	86	200	10
Anthracene	100	U	ug/L	5.0	100	10
Atrazine	100	U *	ug/L	40	100	10
Benzaldehyde	100	U	ug/L	13	100	10
Benzidine	800	U *	ug/L	41	800	10
Benzo[a]anthracene	100	U	ug/L	5.0	100	10
Benzo[a]pyrene	100	U	ug/L	5.0	100	10
Benzo[b]fluoranthene	100	U	ug/L	6.7	100	10
Benzo[g,h,i]perylene	100	U	ug/L	6.7	100	10
Benzo[k]fluoranthene	100	U	ug/L	5.0	100	10
Benzyl alcohol	100	U	ug/L	8.0	100	10
1,1'-Biphenyl	100	U	ug/L	5.0	100	10
Bis(2-chloroethoxy)methane	100	U	ug/L	5.0	100	10
Bis(2-chloroethyl)ether	100	U	ug/L	5.9	100	10
Bis(2-ethylhexyl) phthalate	100	U	ug/L	9.4	100	10
4-Bromophenyl phenyl ether	100	U	ug/L	5.0	100	10
Butyl benzyl phthalate	100	U	ug/L	7.4	100	10
Caprolactam	100	U	ug/L	50	100	10
4-Chloroaniline	200	U	ug/L	48	200	10
4-Chloro-3-methylphenol	100	U	ug/L	5.2	100	10
2-Chloronaphthalene	100	U	ug/L	5.0	100	10
2-Chlorophenol	100	U	ug/L	10	100	10
4-Chlorophenyl phenyl ether	100	U	ug/L	10	100	10
Chrysene	100	U	ug/L	5.0	100	10
Dibenz(a,h)anthracene	100	U	ug/L	5.0	100	10
Dibenzofuran	100	U	ug/L	5.0	100	10
3,3'-Dichlorobenzidine	200	U *	ug/L	32	200	10
2,4-Dichlorophenol	100	U	ug/L	10	100	10
Diethyl phthalate	11	J	ug/L	5.0	100	10
2,4-Dimethylphenol	100	U	ug/L	11	100	10
Dimethyl phthalate	100	U	ug/L	50	100	10
Di-n-butyl phthalate	100	U	ug/L	5.0	100	10
4,6-Dinitro-2-methylphenol	500	U	ug/L	50	500	10
2,4-Dinitrophenol	500	U	ug/L	100	500	10
2,4-Dinitrotoluene	100	U	ug/L	5.0	100	10
2,6-Dinitrotoluene	100	U	ug/L	5.0	100	10
Di-n-octyl phthalate	100	U	ug/L	7.6	100	10
1,4-Dioxane	100	U	ug/L	26	100	10
Fluoranthene	100	U	ug/L	5.0	100	10

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Job Number: 680-30279-1
Sdg Number: FLX011

Client Sample ID: TE-001-GW
Lab Sample ID: 680-30279-3

Date Sampled: 09/17/2007 1420
Date Received: 09/20/2007 1115
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Fluorene	100	U	ug/L	5.0	100	10
Hexachlorobenzene	100	U	ug/L	5.0	100	10
Hexachlorobutadiene	100	U	ug/L	50	100	10
Hexachlorocyclopentadiene	100	U	ug/L	50	100	10
Hexachloroethane	100	U	ug/L	5.0	100	10
Indeno[1,2,3-cd]pyrene	100	U	ug/L	8.6	100	10
Isophorone	100	U	ug/L	5.0	100	10
Mercaptobenzothiazole	4000		ug/L	500	500	10
2-Methylnaphthalene	100	U	ug/L	5.0	100	10
2-Methylphenol	100	U	ug/L	6.4	100	10
3 & 4 Methylphenol	100	U	ug/L	10	100	10
Naphthalene	100	U	ug/L	5.0	100	10
2-Nitroaniline	500	U	ug/L	50	500	10
3-Nitroaniline	500	U	ug/L	28	500	10
4-Nitroaniline	500	U	ug/L	20	500	10
Nitrobenzene	100	U	ug/L	5.0	100	10
2-Nitrophenol	100	U	ug/L	50	100	10
4-Nitrophenol	500	U	ug/L	100	500	10
N-Nitrosodimethylamine	100	U	ug/L	12	100	10
N-Nitrosodi-n-propylamine	100	U	ug/L	5.0	100	10
N-Nitrosodiphenylamine	100	U	ug/L	7.3	100	10
2,2'-oxybis[1-chloropropane]	100	U	ug/L	5.0	100	10
Pentachlorophenol	500	U	ug/L	50	500	10
Phenanthrene	100	U	ug/L	5.0	100	10
Phenol	100	U	ug/L	5.0	100	10
Pyrene	100	U	ug/L	5.0	100	10
2,4,5-Trichlorophenol	100	U	ug/L	8.0	100	10
2,4,6-Trichlorophenol	100	U	ug/L	5.0	100	10
Surrogate	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	
Tentatively Identified Compounds				Cas Number	RT	
Unknown	46	J	ug/L		4.23	10
Benzothiazole	210	J N	ug/L	95-16-9	5.89	10
Unknown	54	J	ug/L		6.25	10
2(3H)-Benzothiazolone	2200	J N	ug/L	934-34-9	7.93	10

Mr. Bruce Yare
Solutia Inc.
575 Maryville Centre Dr.
Saint Louis, MO 63141

Job Number: 680-30279-1
Sdg Number: FLX011

Client Sample ID: TE-001-GW
Lab Sample ID: 680-30279-3

Date Sampled: 09/17/2007 1420
Date Received: 09/20/2007 1115
Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Tentatively Identified Compounds				Cas Number	RT	
Unknown	42	J	ug/L		8.10	10
Phosphine oxide, triphenyl-	680	J N	ug/L	791-28-6	10.91	10
Method: 8015B			Date Analyzed:	09/26/2007	0244	
Dibenzylamine	5.0	U	mg/L	5.0	5.0	1.0
Diethylamine	5.0	U	mg/L	5.0	5.0	1.0
Dimethylamine	5.0	U	mg/L	5.0	5.0	1.0
Dibutyl amine	5.0	U	mg/L	5.0	5.0	1.0
Method: Total Recoverable-6020			Date Analyzed:	09/25/2007	2133	
Prep Method: 3005A			Date Prepared:	09/24/2007	1427	
Nickel	0.026		mg/L	0.00032	0.0010	1.0
Zinc	0.30		mg/L	0.0065	0.020	1.0
Method: Total Recoverable-6020			Date Analyzed:	09/26/2007	1701	
Prep Method: 3005A			Date Prepared:	09/24/2007	1427	
Sodium	1200		mg/L	0.36	1.0	4.0

Mr. Bruce Yare
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Job Number: 680-30279-1
Sdg Number: FLX011

Client Sample ID: TE-001-GW
Lab Sample ID: 680-30279-3

Date Sampled: 09/17/2007 1420
Date Received: 09/20/2007 1115
Client Matrix: Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 9034					
Sulfide	1.5	mg/L	1.0	1.0	1.0
Method: 9038					
Sulfate	1100	mg/L	200	200	40

TestAmerica Savannah

Tellurium Semi-Quantitative Results

SDG FLX011

Sample ID	Lab Sample ID	Analysis time	Operator	Dilution factor	Prep batch	Tellurium 128	Q	Units
TE-009-GW	680-30279-1	10/17/07 0933	CME	1	680-86298	0.0025	U	mg/L
TE-008-GW	680-30279-2	10/17/07 1001	CME	1	680-86298	0.0025	U	mg/L
TE-001-GW	680-30279-3	10/17/07 1006	CME	1	680-86298	0.0025	U	mg/L

DATA REPORTING QUALIFIERS

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Indicates an Estimated Value for TICs
	U	Indicates the analyte was analyzed for but not detected.
	E	Result exceeded calibration range, secondary dilution required.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	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.
	N	This flag indicates the presumptive evidence of a compound.
GC/MS Semi VOA		
	B	Compound was found in the blank and sample.
	J	Indicates an Estimated Value for TICs
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	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.
	A	The tentatively identified compound is a suspected aldol-condensation product.
	N	This flag indicates the presumptive evidence of a compound.
GC VOA		
	U	Indicates the analyte was analyzed for but not detected.

DATA REPORTING QUALIFIERS

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Lab Section	Qualifier	Description
GC Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
Metals		
	U	Indicates the analyte was analyzed for but not detected.
	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.
General Chemistry		
	U	Indicates the analyte was analyzed for but not detected.

QUALITY CONTROL RESULTS

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:680-86573					
LCS 680-86573/4	Lab Control Spike	T	Water	8260B	
MB 680-86573/6	Method Blank	T	Water	8260B	
680-30279-1	TE-009-GW	T	Water	8260B	
680-30279-2	TE-008-GW	T	Water	8260B	
680-30279-3	TE-001-GW	T	Water	8260B	

Analysis Batch:680-86867

LCS 680-86867/6	Lab Control Spike	T	Water	8260B	
MB 680-86867/9	Method Blank	T	Water	8260B	
680-30279-3DL	TE-001-GW	T	Water	8260B	

Report Basis

T = Total

GC/MS Semi VOA

Prep Batch: 680-86228

LCS 680-86228/18-A	Lab Control Spike	T	Water	3520C	
MB 680-86228/17-A	Method Blank	T	Water	3520C	
680-30279-1	TE-009-GW	T	Water	3520C	
680-30279-2	TE-008-GW	T	Water	3520C	
680-30279-3	TE-001-GW	T	Water	3520C	

Analysis Batch:680-86925

LCS 680-86228/18-A	Lab Control Spike	T	Water	8270C	680-86228
MB 680-86228/17-A	Method Blank	T	Water	8270C	680-86228
680-30279-1	TE-009-GW	T	Water	8270C	680-86228
680-30279-2	TE-008-GW	T	Water	8270C	680-86228

Analysis Batch:680-86967

680-30279-3	TE-001-GW	T	Water	8270C	680-86228
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Report Basis

T = Total

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC VOA					
Analysis Batch:680-87483					
LCS 680-87483/18	Lab Control Spike	T	Water	8015B	
LCS 680-87483/22	Lab Control Spike	T	Water	8015B	
MB 680-87483/19	Method Blank	T	Water	8015B	
680-30279-1	TE-009-GW	T	Water	8015B	
680-30279-2	TE-008-GW	T	Water	8015B	
680-30279-3	TE-001-GW	T	Water	8015B	
Analysis Batch:680-87498					
LCS 680-87498/13	Lab Control Spike	T	Water	8015B	
LCS 680-87498/7	Lab Control Spike	T	Water	8015B	
MB 680-87498/2	Method Blank	T	Water	8015B	
680-30279-1MS	Matrix Spike	T	Water	8015B	
680-30279-1MSD	Matrix Spike Duplicate	T	Water	8015B	

Report Basis

T = Total

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 680-86227					
LCS 680-86227/6-A	Lab Control Spike	T	Water	3520C	
MB 680-86227/4-A	Method Blank	T	Water	3520C	
680-30279-1	TE-009-GW	T	Water	3520C	
680-30279-2	TE-008-GW	T	Water	3520C	
Analysis Batch:680-86882					
LCS 680-86227/6-A	Lab Control Spike	T	Water	8015B	680-86227
MB 680-86227/4-A	Method Blank	T	Water	8015B	680-86227
680-30279-1	TE-009-GW	T	Water	8015B	680-86227
680-30279-2	TE-008-GW	T	Water	8015B	680-86227
Prep Batch: 680-86888					
LCS 680-86888/11-A	Lab Control Spike	T	Water	630.1	
MB 680-86888/10-A	Method Blank	T	Water	630.1	
680-30279-1	TE-009-GW	T	Water	630.1	
680-30279-2	TE-008-GW	T	Water	630.1	
Analysis Batch:680-87535					
LCS 680-86888/11-A	Lab Control Spike	T	Water	630.1	680-86888
MB 680-86888/10-A	Method Blank	T	Water	630.1	680-86888
680-30279-1	TE-009-GW	T	Water	630.1	680-86888
680-30279-2	TE-008-GW	T	Water	630.1	680-86888

Report Basis

T = Total

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 680-86298					
LCS 680-86298/14-A	Lab Control Spike	R	Water	3005A	
MB 680-86298/13-A	Method Blank	R	Water	3005A	
680-30279-1	TE-009-GW	R	Water	3005A	
680-30279-1MS	Matrix Spike	R	Water	3005A	
680-30279-1MSD	Matrix Spike Duplicate	R	Water	3005A	
680-30279-2	TE-008-GW	R	Water	3005A	
680-30279-3	TE-001-GW	R	Water	3005A	
Analysis Batch:680-86589					
LCS 680-86298/14-A	Lab Control Spike	R	Water	6020	680-86298
MB 680-86298/13-A	Method Blank	R	Water	6020	680-86298
680-30279-1	TE-009-GW	R	Water	6020	680-86298
680-30279-1MS	Matrix Spike	R	Water	6020	680-86298
680-30279-1MSD	Matrix Spike Duplicate	R	Water	6020	680-86298
680-30279-2	TE-008-GW	R	Water	6020	680-86298
680-30279-3	TE-001-GW	R	Water	6020	680-86298
Analysis Batch:680-86623					
680-30279-2	TE-008-GW	R	Water	6020	680-86298
680-30279-3	TE-001-GW	R	Water	6020	680-86298

Report Basis

R = Total Recoverable

General Chemistry

Analysis Batch: 680-86151					
LCS 680-86151/2	Lab Control Spike	T	Water	9034	
MB 680-86151/1	Method Blank	T	Water	9034	
680-30279-1	TE-009-GW	T	Water	9034	
680-30279-2	TE-008-GW	T	Water	9034	
680-30279-3	TE-001-GW	T	Water	9034	
Analysis Batch: 680-86924					
LCS 680-86924/2	Lab Control Spike	T	Water	9038	
MB 680-86924/1	Method Blank	T	Water	9038	
680-30279-1	TE-009-GW	T	Water	9038	
680-30279-2	TE-008-GW	T	Water	9038	
680-30279-3	TE-001-GW	T	Water	9038	

Report Basis

T = Total

TestAmerica Savannah

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Surrogate Recovery Report

8260B Volatile Organic Compounds by GC/MS

Client Matrix: Water

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>BFB %Rec</u>	<u>DBFM %Rec</u>	<u>TOL %Rec</u>
LCS 680-86573/4		103	111	102
LCS 680-86867/6		108	104	103
MB 680-86573/6		106	103	95
MB 680-86867/9		99	102	100
680-30279-1	TE-009-GW	97	92	100
680-30279-2	TE-008-GW	97	94	100
680-30279-3	TE-001-GW	96	95	101
680-30279-3 DL	TE-001-GW	101	94	102

<u>Surrogate</u>		<u>Acceptance Limits</u>
BFB	4-Bromofluorobenzene	75 - 120
DBFM	Dibromofluoromethane	75 - 121
TOL	Toluene-d8 (Surr)	75 - 120

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Surrogate Recovery Report

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

Client Matrix: Water

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>2FP %Rec</u>	<u>FBP %Rec</u>	<u>NBZ %Rec</u>	<u>PHL %Rec</u>	<u>TBP %Rec</u>	<u>TPH %Rec</u>
LCS 680-86228/18-A		64	74	77	84	100	81
MB 680-86228/17-A		74	73	83	84	96	78
680-30279-1	TE-009-GW	53	50	61	57	91	67
680-30279-2	TE-008-GW	78	69	88	86	111	61
680-30279-3	TE-001-GW	0 D	0 D	0 D	0 D	0 D	0 D

<u>Surrogate</u>		<u>Acceptance Limits</u>
2FP	2-Fluorophenol	36 - 110
FBP	2-Fluorobiphenyl	50 - 113
NBZ	Nitrobenzene-d5	45 - 112
PHL	Phenol-d5	38 - 116
TBP	2,4,6-Tribromophenol	40 - 139
TPH	Terphenyl-d14	10 - 121

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Surrogate Recovery Report

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Client Matrix: Water

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>OTPH1 %Rec</u>
LCS 680-86227/6-A		82
MB 680-86227/4-A		92
680-30279-1	TE-009-GW	101
680-30279-2	TE-008-GW	107

<u>Surrogate</u>	<u>Acceptance Limits</u>
OTPH o-Terphenyl	30 - 165

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Method Blank - Batch: 680-86573

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-86573/6

Analysis Batch: 680-86573

Instrument ID: GC/MS Volatiles - O

Client Matrix: Water

Prep Batch: N/A

Lab File ID: oq827.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 09/26/2007 1157

Final Weight/Volume: 5 mL

Date Prepared: 09/26/2007 1157

Analyte	Result	Qual	MDL	RL
Acetone	25	U	5.0	25
Benzene	1.0	U	0.32	1.0
Bromodichloromethane	1.0	U	0.34	1.0
Bromoform	1.0	U	0.41	1.0
Bromomethane	1.0	U	0.50	1.0
Carbon disulfide	2.0	U	0.17	2.0
Carbon tetrachloride	1.0	U	0.27	1.0
Chlorobenzene	1.0	U	0.34	1.0
Chloroethane	1.0	U	1.0	1.0
Chloroform	1.0	U	0.29	1.0
Chloromethane	1.0	U	0.28	1.0
cis-1,2-Dichloroethene	1.0	U	0.33	1.0
cis-1,3-Dichloropropene	1.0	U	0.37	1.0
Cyclohexane	1.0	U	1.0	1.0
Dibromochloromethane	1.0	U	0.30	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.48	1.0
1,2-Dibromoethane	1.0	U	0.30	1.0
1,2-Dichlorobenzene	1.0	U	0.33	1.0
1,3-Dichlorobenzene	1.0	U	0.31	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
Dichlorodifluoromethane	1.0	U	0.33	1.0
1,1-Dichloroethane	1.0	U	0.32	1.0
1,2-Dichloroethane	1.0	U	0.31	1.0
1,1-Dichloroethene	1.0	U	0.36	1.0
1,2-Dichloropropane	1.0	U	0.36	1.0
Ethylbenzene	1.0	U	0.30	1.0
2-Hexanone	10	U	0.68	10
Isopropylbenzene	1.0	U	0.27	1.0
Methyl acetate	1.0	U	0.42	1.0
Methylcyclohexane	1.0	U	0.25	1.0
Methylene Chloride	5.0	U	1.0	5.0
Methyl ethyl ketone (MEK)	10	U	0.60	10
Methyl isobutyl ketone (MIBK)	10	U	0.60	10
Methyl tert-butyl ether	10	U	0.58	10
Styrene	1.0	U	0.36	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.26	1.0
Tetrachloroethene	1.0	U	0.28	1.0
Toluene	1.0	U	0.31	1.0
trans-1,2-Dichloroethene	1.0	U	0.30	1.0
trans-1,3-Dichloropropene	1.0	U	0.27	1.0
1,2,4-Trichlorobenzene	1.0	U	0.35	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Method Blank - Batch: 680-86573

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-86573/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/26/2007 1157
Date Prepared: 09/26/2007 1157

Analysis Batch: 680-86573
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - O
Lab File ID: oq827.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.39	1.0
1,1,2-Trichloroethane	1.0	U	0.51	1.0
Trichloroethene	1.0	U	0.40	1.0
Trichlorofluoromethane	1.0	U	0.29	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.35	1.0
1,2,4-Trimethylbenzene	1.0	U	0.27	1.0
1,3,5-Trimethylbenzene	1.0	U	0.28	1.0
Vinyl chloride	1.0	U	0.20	1.0
Xylenes, Total	2.0	U	0.87	2.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	106	75 - 120
Dibromofluoromethane	103	75 - 121
Toluene-d8 (Surr)	95	75 - 120

Method Blank TICs- Batch: 680-86573

Cas Number	Analyte	RT	Est. Result	Qual
124-38-9	Carbon Dioxide	0.96	300	N J

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Lab Control Spike - Batch: 680-86573

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 680-86573/4

Analysis Batch: 680-86573

Instrument ID: GC/MS Volatiles - O

Client Matrix: Water

Prep Batch: N/A

Lab File ID: oq821.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 09/26/2007 0932

Final Weight/Volume: 5 mL

Date Prepared: 09/26/2007 0932

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	100	95.5	96	17 - 175	
Benzene	50.0	48.7	97	77 - 119	
Bromodichloromethane	50.0	49.8	100	78 - 127	
Bromoform	50.0	47.9	96	62 - 133	
Bromomethane	50.0	46.7	93	12 - 184	
Carbon disulfide	50.0	55.3	111	55 - 131	
Carbon tetrachloride	50.0	53.5	107	71 - 135	
Chlorobenzene	50.0	52.9	106	85 - 116	
Chloroethane	50.0	47.5	95	40 - 165	
Chloroform	50.0	56.0	112	82 - 120	
Chloromethane	50.0	48.0	96	48 - 142	
cis-1,2-Dichloroethene	50.0	56.9	114	69 - 134	
cis-1,3-Dichloropropene	50.0	51.5	103	76 - 126	
Cyclohexane	50.0	51.2	102	54 - 138	
Dibromochloromethane	50.0	55.9	112	75 - 133	
1,2-Dibromo-3-Chloropropane	50.0	46.7	93	49 - 140	
1,2-Dibromoethane	50.0	49.3	99	80 - 121	
1,2-Dichlorobenzene	50.0	52.3	105	79 - 124	
1,3-Dichlorobenzene	50.0	53.7	107	78 - 125	
1,4-Dichlorobenzene	50.0	52.1	104	81 - 122	
Dichlorodifluoromethane	50.0	39.8	80	34 - 154	
1,1-Dichloroethane	50.0	55.7	111	74 - 127	
1,2-Dichloroethane	50.0	44.5	89	66 - 132	
1,1-Dichloroethene	50.0	54.5	109	62 - 141	
1,2-Dichloropropane	50.0	48.0	96	73 - 124	
Ethylbenzene	50.0	55.8	112	86 - 116	
2-Hexanone	100	102	102	34 - 161	
Isopropylbenzene	50.0	60.0	120	82 - 121	
Methyl acetate	50.0	53.5	107	22 - 160	
Methylcyclohexane	50.0	60.3	121	67 - 129	
Methylene Chloride	50.0	53.8	108	70 - 125	
Methyl ethyl ketone (MEK)	100	101	101	33 - 157	
Methyl isobutyl ketone (MIBK)	100	96.0	96	40 - 151	
Methyl tert-butyl ether	100	108	108	77 - 121	
Styrene	50.0	54.4	109	82 - 122	
1,1,2,2-Tetrachloroethane	50.0	51.0	102	69 - 129	
Tetrachloroethene	50.0	57.0	114	76 - 126	
Toluene	50.0	50.2	100	81 - 117	
trans-1,2-Dichloroethene	50.0	57.6	115	72 - 131	
trans-1,3-Dichloropropene	50.0	50.5	101	73 - 128	
1,2,4-Trichlorobenzene	50.0	56.9	114	60 - 135	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Lab Control Spike - Batch: 680-86573

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 680-86573/4

Analysis Batch: 680-86573

Instrument ID: GC/MS Volatiles - O

Client Matrix: Water

Prep Batch: N/A

Lab File ID: oq821.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 09/26/2007 0932

Final Weight/Volume: 5 mL

Date Prepared: 09/26/2007 0932

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	50.0	50.5	101	76 - 127	
1,1,2-Trichloroethane	50.0	47.3	95	75 - 121	
Trichloroethene	50.0	51.5	103	84 - 115	
Trichlorofluoromethane	50.0	49.8	100	58 - 149	
1,2,4-Trimethylbenzene	50.0	54.8	110	72 - 132	
1,3,5-Trimethylbenzene	50.0	56.3	113	72 - 133	
Vinyl chloride	50.0	50.1	100	59 - 144	
Xylenes, Total	150	166	111	84 - 118	
Surrogate	% Rec		Acceptance Limits		
4-Bromofluorobenzene	103		75 - 120		
Dibromofluoromethane	111		75 - 121		
Toluene-d8 (Surr)	102		75 - 120		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Method Blank - Batch: 680-86867

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-86867/9

Analysis Batch: 680-86867

Instrument ID: GC/MS Volatiles - O C2

Client Matrix: Water

Prep Batch: N/A

Lab File ID: oq866.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 09/28/2007 1531

Final Weight/Volume: 5 mL

Date Prepared: 09/28/2007 1531

Analyte	Result	Qual	MDL	RL
Acetone	25	U	5.0	25
Benzene	1.0	U	0.32	1.0
Bromodichloromethane	1.0	U	0.34	1.0
Bromoform	1.0	U	0.41	1.0
Bromomethane	1.0	U	0.50	1.0
Carbon disulfide	2.0	U	0.17	2.0
Carbon tetrachloride	1.0	U	0.27	1.0
Chlorobenzene	1.0	U	0.34	1.0
Chloroethane	1.0	U	1.0	1.0
Chloroform	1.0	U	0.29	1.0
Chloromethane	1.0	U	0.28	1.0
cis-1,2-Dichloroethene	1.0	U	0.33	1.0
cis-1,3-Dichloropropene	1.0	U	0.37	1.0
Cyclohexane	1.0	U	1.0	1.0
Dibromochloromethane	1.0	U	0.30	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.48	1.0
1,2-Dibromoethane	1.0	U	0.30	1.0
1,2-Dichlorobenzene	1.0	U	0.33	1.0
1,3-Dichlorobenzene	1.0	U	0.31	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
Dichlorodifluoromethane	1.0	U	0.33	1.0
1,1-Dichloroethane	1.0	U	0.32	1.0
1,2-Dichloroethane	1.0	U	0.31	1.0
1,1-Dichloroethene	1.0	U	0.36	1.0
1,2-Dichloropropane	1.0	U	0.36	1.0
Ethylbenzene	1.0	U	0.30	1.0
2-Hexanone	10	U	0.68	10
Isopropylbenzene	1.0	U	0.27	1.0
Methyl acetate	1.0	U	0.42	1.0
Methylcyclohexane	1.0	U	0.25	1.0
Methylene Chloride	5.0	U	1.0	5.0
Methyl ethyl ketone (MEK)	10	U	0.60	10
Methyl isobutyl ketone (MIBK)	10	U	0.60	10
Methyl tert-butyl ether	10	U	0.58	10
Styrene	1.0	U	0.36	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.26	1.0
Tetrachloroethene	1.0	U	0.28	1.0
Toluene	1.0	U	0.31	1.0
trans-1,2-Dichloroethene	1.0	U	0.30	1.0
trans-1,3-Dichloropropene	1.0	U	0.27	1.0
1,2,4-Trichlorobenzene	1.0	U	0.35	1.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Method Blank - Batch: 680-86867

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-86867/9

Analysis Batch: 680-86867

Instrument ID: GC/MS Volatiles - O C2

Client Matrix: Water

Prep Batch: N/A

Lab File ID: oq866.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 09/28/2007 1531

Final Weight/Volume: 5 mL

Date Prepared: 09/28/2007 1531

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.39	1.0
1,1,2-Trichloroethane	1.0	U	0.51	1.0
Trichloroethene	1.0	U	0.40	1.0
Trichlorofluoromethane	1.0	U	0.29	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.35	1.0
1,2,4-Trimethylbenzene	1.0	U	0.27	1.0
1,3,5-Trimethylbenzene	1.0	U	0.28	1.0
Vinyl chloride	1.0	U	0.20	1.0
Xylenes, Total	2.0	U	0.87	2.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	99	75 - 120
Dibromofluoromethane	102	75 - 121
Toluene-d8 (Surr)	100	75 - 120

Method Blank TICs- Batch: 680-86867

Cas Number	Analyte	RT	Est. Result	Qual
124-38-9	Carbon Dioxide	1.00	230	J N

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Lab Control Spike - Batch: 680-86867

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 680-86867/6

Analysis Batch: 680-86867

Instrument ID: GC/MS Volatiles - O C2

Client Matrix: Water

Prep Batch: N/A

Lab File ID: oq860.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 09/28/2007 1321

Final Weight/Volume: 5 mL

Date Prepared: 09/28/2007 1321

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	100	107	107	17 - 175	
Benzene	50.0	47.7	95	77 - 119	
Bromodichloromethane	50.0	55.2	110	78 - 127	
Bromoform	50.0	53.5	107	62 - 133	
Bromomethane	50.0	34.8	70	12 - 184	
Carbon disulfide	50.0	41.4	83	55 - 131	
Carbon tetrachloride	50.0	52.0	104	71 - 135	
Chlorobenzene	50.0	53.2	106	85 - 116	
Chloroethane	50.0	40.8	82	40 - 165	
Chloroform	50.0	50.4	101	82 - 120	
Chloromethane	50.0	36.7	73	48 - 142	
cis-1,2-Dichloroethene	50.0	49.2	98	69 - 134	
cis-1,3-Dichloropropene	50.0	54.1	108	76 - 126	
Cyclohexane	50.0	42.7	85	54 - 138	
Dibromochloromethane	50.0	61.7	123	75 - 133	
1,2-Dibromo-3-Chloropropane	50.0	56.3	113	49 - 140	
1,2-Dibromoethane	50.0	56.2	112	80 - 121	
1,2-Dichlorobenzene	50.0	57.5	115	79 - 124	
1,3-Dichlorobenzene	50.0	56.1	112	78 - 125	
1,4-Dichlorobenzene	50.0	56.1	112	81 - 122	
Dichlorodifluoromethane	50.0	32.4	65	34 - 154	
1,1-Dichloroethane	50.0	45.9	92	74 - 127	
1,2-Dichloroethane	50.0	48.0	96	66 - 132	
1,1-Dichloroethene	50.0	43.1	86	62 - 141	
1,2-Dichloropropane	50.0	50.8	102	73 - 124	
Ethylbenzene	50.0	53.0	106	86 - 116	
2-Hexanone	100	119	119	34 - 161	
Isopropylbenzene	50.0	55.0	110	82 - 121	
Methyl acetate	50.0	46.6	93	22 - 160	
Methylcyclohexane	50.0	46.2	92	67 - 129	
Methylene Chloride	50.0	47.0	94	70 - 125	
Methyl ethyl ketone (MEK)	100	117	117	33 - 157	
Methyl isobutyl ketone (MIBK)	100	116	116	40 - 151	
Methyl tert-butyl ether	100	98.3	98	77 - 121	
Styrene	50.0	56.3	113	82 - 122	
1,1,2,2-Tetrachloroethane	50.0	58.6	117	69 - 129	
Tetrachloroethene	50.0	50.4	101	76 - 126	
Toluene	50.0	52.0	104	81 - 117	
trans-1,2-Dichloroethene	50.0	46.4	93	72 - 131	
trans-1,3-Dichloropropene	50.0	57.0	114	73 - 128	
1,2,4-Trichlorobenzene	50.0	59.3	119	60 - 135	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Lab Control Spike - Batch: 680-86867

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 680-86867/6

Analysis Batch: 680-86867

Instrument ID: GC/MS Volatiles - O C2

Client Matrix: Water

Prep Batch: N/A

Lab File ID: oq860.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 09/28/2007 1321

Final Weight/Volume: 5 mL

Date Prepared: 09/28/2007 1321

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	50.0	47.5	95	76 - 127	
1,1,2-Trichloroethane	50.0	55.5	111	75 - 121	
Trichloroethene	50.0	51.1	102	84 - 115	
Trichlorofluoromethane	50.0	42.5	85	58 - 149	
1,2,4-Trimethylbenzene	50.0	55.0	110	72 - 132	
1,3,5-Trimethylbenzene	50.0	55.3	111	72 - 133	
Vinyl chloride	50.0	38.6	77	59 - 144	
Xylenes, Total	150	164	109	84 - 118	
Surrogate	% Rec		Acceptance Limits		
4-Bromofluorobenzene	108		75 - 120		
Dibromofluoromethane	104		75 - 121		
Toluene-d8 (Surr)	103		75 - 120		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Method Blank - Batch: 680-86228

Method: 8270C

Preparation: 3520C

Lab Sample ID: MB 680-86228/17-A

Analysis Batch: 680-86925

Instrument ID: GC/MS SemiVolatiles - T

Client Matrix: Water

Prep Batch: 680-86228

Lab File ID: t3616.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 1000 mL

Date Analyzed: 09/30/2007 1917

Final Weight/Volume: 1 mL

Date Prepared: 09/24/2007 1300

Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Acenaphthene	10	U	0.50	10
Acenaphthylene	10	U	0.50	10
Acetophenone	10	U	0.50	10
Aniline	20	U	8.6	20
Anthracene	10	U	0.50	10
Atrazine	10	U	4.0	10
Benzaldehyde	10	U	1.3	10
Benzidine	80	U	4.1	80
Benzo[a]anthracene	10	U	0.50	10
Benzo[a]pyrene	10	U	0.50	10
Benzo[b]fluoranthene	10	U	0.67	10
Benzo[g,h,i]perylene	10	U	0.67	10
Benzo[k]fluoranthene	10	U	0.50	10
Benzyl alcohol	10	U	0.80	10
1,1'-Biphenyl	10	U	0.50	10
Bis(2-chloroethoxy)methane	10	U	0.50	10
Bis(2-chloroethyl)ether	10	U	0.59	10
Bis(2-ethylhexyl) phthalate	50		0.94	10
4-Bromophenyl phenyl ether	10	U	0.50	10
Butyl benzyl phthalate	10	U	0.74	10
Caprolactam	10	U	5.0	10
4-Chloroaniline	20	U	4.8	20
4-Chloro-3-methylphenol	10	U	0.52	10
2-Chloronaphthalene	10	U	0.50	10
2-Chlorophenol	10	U	1.0	10
4-Chlorophenyl phenyl ether	10	U	1.0	10
Chrysene	10	U	0.50	10
Dibenz(a,h)anthracene	10	U	0.50	10
Dibenzofuran	10	U	0.50	10
3,3'-Dichlorobenzidine	20	U	3.2	20
2,4-Dichlorophenol	10	U	1.0	10
Diethyl phthalate	10	U	0.50	10
2,4-Dimethylphenol	10	U	1.1	10
Dimethyl phthalate	10	U	5.0	10
Di-n-butyl phthalate	0.57	J	0.50	10
4,6-Dinitro-2-methylphenol	50	U	5.0	50
2,4-Dinitrophenol	50	U	10	50
2,4-Dinitrotoluene	10	U	0.50	10
2,6-Dinitrotoluene	10	U	0.50	10
Di-n-octyl phthalate	10	U	0.76	10
1,4-Dioxane	10	U	2.6	10

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Method Blank - Batch: 680-86228

Method: 8270C

Preparation: 3520C

Lab Sample ID: MB 680-86228/17-A

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 09/30/2007 1917

Date Prepared: 09/24/2007 1300

Analysis Batch: 680-86925

Prep Batch: 680-86228

Units: ug/L

Instrument ID: GC/MS SemiVolatiles - T

Lab File ID: t3616.d

Initial Weight/Volume: 1000 mL

Final Weight/Volume: 1 mL

Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Fluoranthene	10	U	0.50	10
Fluorene	10	U	0.50	10
Hexachlorobenzene	10	U	0.50	10
Hexachlorobutadiene	10	U	5.0	10
Hexachlorocyclopentadiene	10	U	5.0	10
Hexachloroethane	10	U	0.50	10
Indeno[1,2,3-cd]pyrene	10	U	0.86	10
Isophorone	10	U	0.50	10
Mercaptobenzothiazole	50	U	50	50
2-Methylnaphthalene	10	U	0.50	10
2-Methylphenol	10	U	0.64	10
3 & 4 Methylphenol	10	U	1.0	10
Naphthalene	10	U	0.50	10
2-Nitroaniline	50	U	5.0	50
3-Nitroaniline	50	U	2.8	50
4-Nitroaniline	50	U	2.0	50
Nitrobenzene	10	U	0.50	10
2-Nitrophenol	10	U	5.0	10
4-Nitrophenol	50	U	10	50
N-Nitrosodimethylamine	10	U	1.2	10
N-Nitrosodi-n-propylamine	10	U	0.50	10
N-Nitrosodiphenylamine	10	U	0.73	10
2,2'-oxybis[1-chloropropane]	10	U	0.50	10
Pentachlorophenol	50	U	5.0	50
Phenanthrene	10	U	0.50	10
Phenol	10	U	0.50	10
Pyrene	10	U	0.50	10
2,4,5-Trichlorophenol	10	U	0.80	10
2,4,6-Trichlorophenol	10	U	0.50	10

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	73	50 - 113
2-Fluorophenol	74	36 - 110
Nitrobenzene-d5	83	45 - 112
Phenol-d5	84	38 - 116
Terphenyl-d14	78	10 - 121
2,4,6-Tribromophenol	96	40 - 139

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Method Blank TICs- Batch: 680-86228

Cas Number	Analyte	RT	Est. Result	Qual
	Unknown Aldol Condensate	3.19	39	A J
	Unknown Alkene	4.07	13	J
	Unknown Organic Acid	4.01	7.5	J

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Lab Control Spike - Batch: 680-86228

Method: 8270C

Preparation: 3520C

Lab Sample ID: LCS 680-86228/18-A

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 09/30/2007 2045

Date Prepared: 09/24/2007 1300

Analysis Batch: 680-86925

Prep Batch: 680-86228

Units: ug/L

Instrument ID: GC/MS SemiVolatiles - T

Lab File ID: t3620.d

Initial Weight/Volume: 1000 mL

Final Weight/Volume: 1 mL

Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	100	81.1	81	45 - 117	
Acenaphthylene	100	78.3	78	51 - 112	
Acetophenone	100	36.6	37	48 - 110	*
Aniline	100	27.5	28	10 - 114	
Anthracene	100	82.5	82	52 - 116	
Atrazine	100	30.1	30	45 - 140	*
Benzaldehyde	100	35.1	35	27 - 160	
Benzydine	100	5.71	6	10 - 110	J *
Benzo[a]anthracene	100	92.2	92	49 - 124	
Benzo[a]pyrene	100	83.9	84	48 - 120	
Benzo[b]fluoranthene	100	81.6	82	46 - 126	
Benzo[g,h,i]perylene	100	100	100	51 - 117	
Benzo[k]fluoranthene	100	82.7	83	47 - 126	
Benzyl alcohol	100	82.8	83	34 - 113	
1,1'-Biphenyl	100	73.0	73	47 - 112	
Bis(2-chloroethoxy)methane	100	86.1	86	50 - 112	
Bis(2-chloroethyl)ether	100	73.1	73	43 - 110	
Bis(2-ethylhexyl) phthalate	100	77.7	78	47 - 134	
4-Bromophenyl phenyl ether	100	75.6	76	42 - 110	
Butyl benzyl phthalate	100	97.3	97	52 - 135	
Caprolactam	100	86.9	87	29 - 128	
4-Chloroaniline	100	40.9	41	10 - 110	
4-Chloro-3-methylphenol	100	87.4	87	46 - 118	
2-Chloronaphthalene	100	85.3	85	47 - 110	
2-Chlorophenol	100	76.9	77	47 - 110	
4-Chlorophenyl phenyl ether	100	85.7	86	46 - 114	
Chrysene	100	91.8	92	51 - 123	
Dibenz(a,h)anthracene	100	93.8	94	46 - 124	
Dibenzofuran	100	82.9	83	50 - 112	
3,3'-Dichlorobenzidine	100	4.73	5	10 - 113	J *
2,4-Dichlorophenol	100	88.7	89	46 - 115	
Diethyl phthalate	100	84.5	85	51 - 119	
2,4-Dimethylphenol	100	78.7	79	36 - 110	
Dimethyl phthalate	100	86.5	87	50 - 116	
Di-n-butyl phthalate	100	72.4	72	49 - 123	
4,6-Dinitro-2-methylphenol	100	101	101	29 - 167	
2,4-Dinitrophenol	100	87.4	87	10 - 189	
2,4-Dinitrotoluene	100	91.9	92	49 - 128	
2,6-Dinitrotoluene	100	89.1	89	45 - 131	
Di-n-octyl phthalate	100	82.9	83	44 - 134	
1,4-Dioxane	100	43.0	43	11 - 110	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Lab Control Spike - Batch: 680-86228

Method: 8270C

Preparation: 3520C

Lab Sample ID: LCS 680-86228/18-A

Client Matrix: Water

Dilution: 1.0

Date Analyzed: 09/30/2007 2045

Date Prepared: 09/24/2007 1300

Analysis Batch: 680-86925

Prep Batch: 680-86228

Units: ug/L

Instrument ID: GC/MS SemiVolatiles - T

Lab File ID: t3620.d

Initial Weight/Volume: 1000 mL

Final Weight/Volume: 1 mL

Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Fluoranthene	100	81.9	82	50 - 120	
Fluorene	100	82.2	82	50 - 115	
Hexachlorobenzene	100	98.9	99	48 - 119	
Hexachlorobutadiene	100	75.0	75	40 - 110	
Hexachlorocyclopentadiene	100	18.6	19	10 - 110	
Hexachloroethane	100	61.7	62	33 - 110	
Indeno[1,2,3-cd]pyrene	100	119	119	40 - 126	
Isophorone	100	82.2	82	50 - 111	
Mercaptobenzothiazole	100	76.9	77	70 - 130	
2-Methylnaphthalene	100	77.6	78	46 - 110	
2-Methylphenol	100	88.1	88	46 - 110	
3 & 4 Methylphenol	100	92.7	93	43 - 110	
Naphthalene	100	73.7	74	41 - 110	
2-Nitroaniline	100	94.3	94	45 - 122	
3-Nitroaniline	100	50.2	50	30 - 116	
4-Nitroaniline	100	77.9	78	36 - 125	
Nitrobenzene	100	76.0	76	46 - 110	
2-Nitrophenol	100	84.9	85	42 - 120	
4-Nitrophenol	100	95.7	96	30 - 122	
N-Nitrosodimethylamine	100	66.7	67	33 - 110	
N-Nitrosodi-n-propylamine	100	87.9	88	45 - 112	
N-Nitrosodiphenylamine	100	82.9	83	47 - 119	
2,2'-oxybis[1-chloropropane]	100	93.1	93	42 - 110	
Pentachlorophenol	100	92.4	92	37 - 132	
Phenanthrene	100	84.4	84	52 - 117	
Phenol	100	81.4	81	39 - 110	
Pyrene	100	87.6	88	52 - 125	
2,4,5-Trichlorophenol	100	95.6	96	47 - 122	
2,4,6-Trichlorophenol	100	83.5	84	46 - 120	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	74	50 - 113
2-Fluorophenol	64	36 - 110
Nitrobenzene-d5	77	45 - 112
Phenol-d5	84	38 - 116
Terphenyl-d14	81	10 - 121
2,4,6-Tribromophenol	100	40 - 139

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Method Blank - Batch: 680-87483

Method: 8015B
Preparation: N/A

Lab Sample ID: MB 680-87483/19
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/25/2007 1706
Date Prepared: N/A

Analysis Batch: 680-87483
Prep Batch: N/A
Units: mg/L

Instrument ID: GC Volatiles - G FID1
Lab File ID: SP25G8.d
Initial Weight/Volume:
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Dibenzylamine	5.0	U	5.0	5.0
Diethylamine	5.0	U	5.0	5.0
Dimethylamine	5.0	U	5.0	5.0
Dibutyl amine	5.0	U	5.0	5.0

Lab Control Spike - Batch: 680-87483

Method: 8015B
Preparation: N/A

Lab Sample ID: LCS 680-87483/22
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/25/2007 1346
Date Prepared: N/A

Analysis Batch: 680-87483
Prep Batch: N/A
Units: mg/L

Instrument ID: GC Volatiles - G FID1
Lab File ID: SQ25G3.d
Initial Weight/Volume:
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diethylamine	40.0	48.0	120	50 - 150	
Dimethylamine	40.0	40.4	101	50 - 150	

Lab Control Spike - Batch: 680-87483

Method: 8015B
Preparation: N/A

Lab Sample ID: LCS 680-87483/18
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/25/2007 1558
Date Prepared: N/A

Analysis Batch: 680-87483
Prep Batch: N/A
Units: mg/L

Instrument ID: GC Volatiles - G FID1
Lab File ID: SP25G6.d
Initial Weight/Volume:
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibenzylamine	40.0	50.8	127	50 - 150	
Dibutyl amine	40.0	52.8	132	50 - 150	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Method Blank - Batch: 680-87498

Method: 8015B
Preparation: N/A

Lab Sample ID: MB 680-87498/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/26/2007 1553
Date Prepared: N/A

Analysis Batch: 680-87498
Prep Batch: N/A
Units: mg/L

Instrument ID: GC Volatiles - G FID1
Lab File ID: SP26G11.d
Initial Weight/Volume:
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Dibenzylamine	5.0	U	5.0	5.0
Diethylamine	5.0	U	5.0	5.0
Dimethylamine	5.0	U	5.0	5.0
Dibutyl amine	5.0	U	5.0	5.0

Lab Control Spike - Batch: 680-87498

Method: 8015B
Preparation: N/A

Lab Sample ID: LCS 680-87498/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/26/2007 0821
Date Prepared: N/A

Analysis Batch: 680-87498
Prep Batch: N/A
Units: mg/L

Instrument ID: GC Volatiles - G FID1
Lab File ID: SP26G2.d
Initial Weight/Volume:
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diethylamine	40.0	48.3	121	50 - 150	
Dimethylamine	40.0	38.8	97	50 - 150	

Lab Control Spike - Batch: 680-87498

Method: 8015B
Preparation: N/A

Lab Sample ID: LCS 680-87498/13
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/26/2007 1445
Date Prepared: N/A

Analysis Batch: 680-87498
Prep Batch: N/A
Units: mg/L

Instrument ID: GC Volatiles - G FID1
Lab File ID: SP26G9.d
Initial Weight/Volume:
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibenzylamine	40.0	42.9	107	50 - 150	
Dibutyl amine	40.0	47.4	118	50 - 150	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 680-87498

Method: 8015B

Preparation: N/A

MS Lab Sample ID: 680-30279-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/26/2007 2206
Date Prepared: N/A

Analysis Batch: 680-87498
Prep Batch: N/A

Instrument ID: GC Volatiles - G FID1
Lab File ID: SP26G22.d
Initial Weight/Volume:
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

MSD Lab Sample ID: 680-30279-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/26/2007 2240
Date Prepared: N/A

Analysis Batch: 680-87498
Prep Batch: N/A

Instrument ID: GC Volatiles - G FID1
Lab File ID: SP26G23.d
Initial Weight/Volume:
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Diethylamine	114	116	50 - 150	1	50		
Dimethylamine	99	93	50 - 150	6	50		

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 680-87498

Method: 8015B

Preparation: N/A

MS Lab Sample ID: 680-30279-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/26/2007 2314
Date Prepared: N/A

Analysis Batch: 680-87498
Prep Batch: N/A

Instrument ID: GC Volatiles - G FID1
Lab File ID: SP26G24.d
Initial Weight/Volume:
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

MSD Lab Sample ID: 680-30279-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/26/2007 2348
Date Prepared: N/A

Analysis Batch: 680-87498
Prep Batch: N/A

Instrument ID: GC Volatiles - G FID1
Lab File ID: SP26G25.d
Initial Weight/Volume:
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Dibenzylamine	79	95	50 - 150	18	50		
Dibutyl amine	85	106	50 - 150	23	50		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Method Blank - Batch: 680-86888

Lab Sample ID: MB 680-86888/10-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/05/2007 0131
Date Prepared: 09/29/2007 1455

Analysis Batch: 680-87535
Prep Batch: 680-86888
Units: mg/L

Method: 630.1 Preparation: 630.1

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 5.0 mL
Final Weight/Volume: 25.0 mL
Injection Volume:

Analyte	Result	Qual	MDL	RL
Dithiocarbamates, Total	1.6	U	1.6	1.6

Lab Control Spike - Batch: 680-86888

Lab Sample ID: LCS 680-86888/11-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 10/05/2007 0109
Date Prepared: 09/29/2007 1455

Analysis Batch: 680-87535
Prep Batch: 680-86888
Units: mg/L

Method: 630.1 Preparation: 630.1

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 5.0 mL
Final Weight/Volume: 25.0 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dithiocarbamates, Total	100	101	101	70 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Method Blank - Batch: 680-86227

Method: 8015B
Preparation: 3520C

Lab Sample ID: MB 680-86227/4-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/28/2007 1525
Date Prepared: 09/24/2007 1300

Analysis Batch: 680-86882
Prep Batch: 680-86227
Units: mg/L

Instrument ID: GC SemiVolatiles - Q
Lab File ID: qi280005.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Oil Range Organics (C20-C36)	0.50	U	0.15	0.50
Mineral oil	0.50	U	0.50	0.50
Surrogate	% Rec		Acceptance Limits	
o-Terphenyl	92		30 - 165	

Lab Control Spike - Batch: 680-86227

Method: 8015B
Preparation: 3520C

Lab Sample ID: LCS 680-86227/6-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/28/2007 1550
Date Prepared: 09/24/2007 1300

Analysis Batch: 680-86882
Prep Batch: 680-86227
Units: mg/L

Instrument ID: GC SemiVolatiles - Q
Lab File ID: qi280007.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Oil Range Organics (C20-C36)	2.00	1.98	99	40 - 140	
Surrogate	% Rec			Acceptance Limits	
o-Terphenyl	82			30 - 165	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Method Blank - Batch: 680-86298

Lab Sample ID: MB 680-86298/13-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/25/2007 1928
Date Prepared: 09/24/2007 1427

Analysis Batch: 680-86589
Prep Batch: 680-86298
Units: mg/L

Method: 6020 Preparation: 3005A Total Recoverable

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	MDL	RL
Nickel	0.0010	U	0.00032	0.0010
Sodium	0.25	U	0.090	0.25
Zinc	0.020	U	0.0065	0.020

Lab Control Spike - Batch: 680-86298

Lab Sample ID: LCS 680-86298/14-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/25/2007 1935
Date Prepared: 09/24/2007 1427

Analysis Batch: 680-86589
Prep Batch: 680-86298
Units: mg/L

Method: 6020 Preparation: 3005A Total Recoverable

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nickel	0.100	0.106	106	75 - 125	
Sodium	5.00	5.45	109	75 - 125	
Zinc	0.100	0.105	105	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 680-86298

Method: 6020

Preparation: 3005A

Total Recoverable

MS Lab Sample ID: 680-30279-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/25/2007 2112
Date Prepared: 09/24/2007 1427

Analysis Batch: 680-86589
Prep Batch: 680-86298

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

MSD Lab Sample ID: 680-30279-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/25/2007 2119
Date Prepared: 09/24/2007 1427

Analysis Batch: 680-86589
Prep Batch: 680-86298

Instrument ID: ICP MS
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 250 mL

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Nickel	103	103	75 - 125	0	20		
Sodium	434	280	75 - 125	5	20	4	4
Zinc	111	105	75 - 125	4	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Method Blank - Batch: 680-86151

Method: 9034

Preparation: N/A

Lab Sample ID: MB 680-86151/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/20/2007 1058
Date Prepared: N/A

Analysis Batch: 680-86151
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 250 mL

Analyte	Result	Qual	RL	RL
Sulfide	1.0	U	1.0	1.0

Lab Control Spike - Batch: 680-86151

Method: 9034

Preparation: N/A

Lab Sample ID: LCS 680-86151/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/20/2007 1058
Date Prepared: N/A

Analysis Batch: 680-86151
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 250 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfide	9.90	8.53	86	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Solutia Inc.

Job Number: 680-30279-1

Sdg Number: FLX011

Method Blank - Batch: 680-86924

Lab Sample ID: MB 680-86924/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/28/2007 1347
Date Prepared: N/A

Analysis Batch: 680-86924
Prep Batch: N/A
Units: mg/L

Method: 9038
Preparation: N/A

Instrument ID: KoneLab1
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	Result	Qual	RL	RL
Sulfate	5.0	U	5.0	5.0

Lab Control Spike - Batch: 680-86924

Lab Sample ID: LCS 680-86924/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 09/28/2007 1347
Date Prepared: N/A

Analysis Batch: 680-86924
Prep Batch: N/A
Units: mg/L

Method: 9038
Preparation: N/A

Instrument ID: KoneLab1
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfate	20.0	20.0	100	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Login Sample Receipt Check List

Client: Solutia Inc.

Job Number: 680-30279-1

SDG Number: FLX011

Login Number: 30279

List Source: TestAmerica Savannah

Creator: Hubbard, Brian

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Ice excluded due to int'l shipping.
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	19.6 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	MS/MSD not requested (additional volume not provided)
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	False	Sample TE-001-GW containers to be split/subsampled due to receipt volume.