

US EPA ARCHIVE DOCUMENT

ANALYTICAL REPORT

Job Number: 680-56289-1

SDG Number: KSX021

Job Description: WGK SVE Pilot Test MAR 2010

For:

Solutia Inc.

575 Maryville Centre Dr.

Saint Louis, MO 63141

Attention: Mr. William G Johnson



Approved for release.
Bernard Kirkland
Project Manager I
4/9/2010 2:07 PM

Designee for

Lidya Gulizia

Project Manager I

lidya.gulizia@testamericainc.com

04/09/2010

cc: Mr. Scott Crawford
Erin Stanisewski

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**Job Narrative
680-56289-1**

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported:
WGK-BIGMO-INT-014S-7.0-7.5S (680-56289-2), WGK-BIGMO-INT-01S-7.0-7.5S (680-56289-1), WGK-BIGMO-INT-02S-7.5-8S (680-56289-4), WGK-BIGMO-INT-11S-7.5-8S (680-56289-3), WGK-BIGMO-INT-16S-7.5-8S (680-56344-3), WGK-BIGMO-INT-17S-6-6.5S (680-56344-1), WGK-BIGMO-INT-3S-7.5-8S (680-56344-2), WGK-BIGMO-INT-4S-7.5-8S (680-56344-6), WGK-BIGMO-INT-6S-7.5-8S (680-56344-5), WGK-BIGMO-INT-6S-7-7.5S (680-56344-4), WGK-BIGMO-INT-8S-7.5-8S (680-56289-6), WGK-BIGMO-INT-9S-7.5-8S (680-56289-5), WGK-BIGMO-INT-DUP (680-56289-7).

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

VOA Prep

Method(s) 5035, 8260B: The Encore vials submitted for the following sample(s) contained significantly less than 5 grams:
WGK-BIGMO-INT-02S-7.5-8S (680-56289-4).

No other analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
680-56289-1 Benzene	WGK-BIGMO-INT-01S-7.0-7.5S	1900000	120000	ug/Kg	8260B
680-56289-2 Benzene	WGK-BIGMO-INT-014S-7.0-7.5S	760000	32000	ug/Kg	8260B
680-56289-3 Benzene	WGK-BIGMO-INT-11S-7.5-8S	2300000	130000	ug/Kg	8260B
680-56289-4 Benzene 1,4-Dichlorobenzene	WGK-BIGMO-INT-02S-7.5-8S	5600000 57000 J	190000 190000	ug/Kg ug/Kg	8260B 8260B
680-56289-5 Benzene 1,4-Dichlorobenzene	WGK-BIGMO-INT-9S-7.5-8S	1400000 33000 J	210000 210000	ug/Kg ug/Kg	8260B 8260B
680-56289-6 Benzene	WGK-BIGMO-INT-8S-7.5-8S	2100000	110000	ug/Kg	8260B
680-56289-7 Benzene	WGK-BIGMO-INT-DUP	5400000	150000	ug/Kg	8260B
680-56344-1 Benzene Percent Moisture	WGK-BIGMO-INT-17S-6-6.5S	2500000 21	140000 0.010	ug/Kg %	8260B Moisture
680-56344-2 Benzene Percent Moisture	WGK-BIGMO-INT-3S-7.5-8S	290000 26	13000 0.010	ug/Kg %	8260B Moisture

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EXECUTIVE SUMMARY - Detections

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
680-56344-3	WGK-BIGMO-INT-16S-7.5-8S				
Benzene		1000000	62000	ug/Kg	8260B
Percent Moisture		24	0.010	%	Moisture
680-56344-4	WGK-BIGMO-INT-6S-7-7.5S				
Benzene		4400000	130000	ug/Kg	8260B
Percent Moisture		12	0.010	%	Moisture
680-56344-5	WGK-BIGMO-INT-6S-7.5-8S				
Benzene		1300000	58000	ug/Kg	8260B
Percent Moisture		13	0.010	%	Moisture
680-56344-6	WGK-BIGMO-INT-4S-7.5-8S				
Benzene		3500000	160000	ug/Kg	8260B
1,4-Dichlorobenzene		29000 J	160000	ug/Kg	8260B
Percent Moisture		15	0.010	%	Moisture

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METHOD SUMMARY

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL SAV	SW846 8260B	
Closed System Purge and Trap	TAL SAV		SW846 5035
Percent Moisture	TAL SAV	EPA Moisture	
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL SAV	SW846 8260B	
Purge and Trap	TAL SAV		SW846 5030B

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.

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METHOD / ANALYST SUMMARY

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Method	Analyst	Analyst ID
SW846 8260B	Bearden, Robert	RB
SW846 8260B	Sokolin, Eleina	ES
EPA Moisture	Morgan, Harriet	HM

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SAMPLE SUMMARY

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-56289-1	WGK-BIGMO-INT-01S-7.0 -7.5S	Solid	03/30/2010 0935	03/31/2010 0919
680-56289-2	WGK-BIGMO-INT-014S-7. 0-7.5S	Solid	03/30/2010 1015	03/31/2010 0919
680-56289-3	WGK-BIGMO-INT-11S-7.5 -8S	Solid	03/30/2010 1143	03/31/2010 0919
680-56289-4	WGK-BIGMO-INT-02S-7.5 -8S	Solid	03/30/2010 1226	03/31/2010 0919
680-56289-5	WGK-BIGMO-INT-9S-7.5- 8S	Solid	03/30/2010 1438	03/31/2010 0919
680-56289-6	WGK-BIGMO-INT-8S-7.5- 8S	Solid	03/30/2010 1520	03/31/2010 0919
680-56289-7	WGK-BIGMO-INT-DUP	Solid	03/30/2010 0000	03/31/2010 0919
680-56289-8	Trip Blank	Water	03/30/2010 0000	03/31/2010 0919
680-56344-1	WGK-BIGMO-INT-17S-6-6 .5S	Solid	03/31/2010 0806	04/01/2010 0944
680-56344-2	WGK-BIGMO-INT-3S-7.5- 8S	Solid	03/31/2010 0826	04/01/2010 0944
680-56344-3	WGK-BIGMO-INT-16S-7.5 -8S	Solid	03/31/2010 0907	04/01/2010 0944
680-56344-4	WGK-BIGMO-INT-6S-7-7. 5S	Solid	03/31/2010 0954	04/01/2010 0944
680-56344-5	WGK-BIGMO-INT-6S-7.5- 8S	Solid	03/31/2010 1002	04/01/2010 0944
680-56344-6	WGK-BIGMO-INT-4S-7.5- 8S	Solid	03/31/2010 1034	04/01/2010 0944

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SAMPLE RESULTS

Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: WGK-BIGMO-INT-01S-7.0-7.5S

Lab Sample ID: 680-56289-1

Date Sampled: 03/30/2010 0935

Client Matrix: Solid

% Moisture: 24.6

Date Received: 03/31/2010 0919

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164577	Lab File ID:	m0215.d
Dilution:	10000		Initial Weight/Volume:	5.6 g
Date Analyzed:	04/06/2010 1334		Final Weight/Volume:	10 g
Date Prepared:	03/31/2010 1501			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		1200000	U	260000	1200000
Acetonitrile		4700000	U	970000	4700000
Acrolein		2400000	U	570000	2400000
Acrylonitrile		2400000	U	800000	2400000
Benzene		1900000		17000	120000
Bromoform		120000	U	36000	120000
Bromomethane		120000	U	36000	120000
2-Butanone (MEK)		590000	U	57000	590000
Carbon disulfide		120000	U	26000	120000
Carbon tetrachloride		120000	U	20000	120000
Chlorobenzene		120000	U	23000	120000
2-Chloro-1,3-butadiene		120000	U	50000	120000
Chlorodibromomethane		120000	U	40000	120000
Chloroethane		120000	U	64000	120000
Chloroform		120000	U	26000	120000
Chloromethane		120000	U	24000	120000
3-Chloro-1-propene		120000	U	52000	120000
cis-1,3-Dichloropropene		120000	U	20000	120000
1,2-Dibromo-3-Chloropropane		240000	U	100000	240000
Dibromomethane		120000	U	40000	120000
1,2-Dichlorobenzene		120000	U	31000	120000
1,3-Dichlorobenzene		120000	U	38000	120000
1,4-Dichlorobenzene		120000	U	18000	120000
Dichlorobromomethane		120000	U	23000	120000
Dichlorodifluoromethane		120000	U	22000	120000
1,1-Dichloroethane		120000	U	26000	120000
1,2-Dichloroethane		120000	U	26000	120000
1,1-Dichloroethene		120000	U	36000	120000
1,2-Dichloropropane		120000	U	20000	120000
Ethylbenzene		120000	U	31000	120000
Ethylene Dibromide		120000	U	36000	120000
Ethyl methacrylate		120000	U	80000	120000
2-Hexanone		590000	U	78000	590000
Iodomethane		120000	U	43000	120000
Isobutyl alcohol		4700000	U	1200000	4700000
Methacrylonitrile		2400000	U	540000	2400000
Methylene Chloride		120000	U	23000	120000
Methyl methacrylate		240000	U	110000	240000
4-Methyl-2-pentanone (MIBK)		590000	U	99000	590000
Pentachloroethane		590000	U	150000	590000
Propionitrile		2400000	U	620000	2400000
Styrene		120000	U	22000	120000
1,1,1,2-Tetrachloroethane		120000	U	57000	120000
1,1,2,2-Tetrachloroethane		120000	U	38000	120000
Tetrachloroethene		120000	U	45000	120000
Toluene		120000	U	20000	120000

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Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: **WGK-BIGMO-INT-01S-7.0-7.5S**

Lab Sample ID: 680-56289-1

Date Sampled: 03/30/2010 0935

Client Matrix: Solid

% Moisture: 24.6

Date Received: 03/31/2010 0919

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164577	Lab File ID:	m0215.d
Dilution:	10000		Initial Weight/Volume:	5.6 g
Date Analyzed:	04/06/2010 1334		Final Weight/Volume:	10 g
Date Prepared:	03/31/2010 1501			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
trans-1,4-Dichloro-2-butene		240000	U	69000	240000
trans-1,2-Dichloroethene		120000	U	15000	120000
trans-1,3-Dichloropropene		120000	U	21000	120000
1,1,1-Trichloroethane		120000	U	14000	120000
1,1,2-Trichloroethane		120000	U	31000	120000
Trichloroethene		120000	U	31000	120000
Trichlorofluoromethane		120000	U	28000	120000
1,2,3-Trichloropropane		120000	U	57000	120000
Vinyl acetate		240000	U	59000	240000
Vinyl chloride		120000	U	36000	120000
Xylenes, Total		240000	U	26000	240000

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	0	D	65 - 124
Dibromofluoromethane	0	D	65 - 124
Toluene-d8 (Surr)	0	D	65 - 132

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Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: WGK-BIGMO-INT-014S-7.0-7.5S

Lab Sample ID: 680-56289-2

Date Sampled: 03/30/2010 1015

Client Matrix: Solid

% Moisture: 15.5

Date Received: 03/31/2010 0919

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164577	Lab File ID:	m0216.d
Dilution:	2000		Initial Weight/Volume:	3.7 g
Date Analyzed:	04/06/2010 1357		Final Weight/Volume:	10 g
Date Prepared:	03/31/2010 1501			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		320000	U	70000	320000
Acetonitrile		1300000	U	260000	1300000
Acrolein		640000	U	150000	640000
Acrylonitrile		640000	U	220000	640000
Benzene		760000		4700	32000
Bromoform		32000	U	9600	32000
Bromomethane		32000	U	9600	32000
2-Butanone (MEK)		160000	U	15000	160000
Carbon disulfide		32000	U	7000	32000
Carbon tetrachloride		32000	U	5300	32000
Chlorobenzene		32000	U	6100	32000
2-Chloro-1,3-butadiene		32000	U	13000	32000
Chlorodibromomethane		32000	U	11000	32000
Chloroethane		32000	U	17000	32000
Chloroform		32000	U	7000	32000
Chloromethane		32000	U	6400	32000
3-Chloro-1-propene		32000	U	14000	32000
cis-1,3-Dichloropropene		32000	U	5300	32000
1,2-Dibromo-3-Chloropropane		64000	U	28000	64000
Dibromomethane		32000	U	11000	32000
1,2-Dichlorobenzene		32000	U	8300	32000
1,3-Dichlorobenzene		32000	U	10000	32000
1,4-Dichlorobenzene		32000	U	4700	32000
Dichlorobromomethane		32000	U	6200	32000
Dichlorodifluoromethane		32000	U	6000	32000
1,1-Dichloroethane		32000	U	7000	32000
1,2-Dichloroethane		32000	U	7000	32000
1,1-Dichloroethene		32000	U	9600	32000
1,2-Dichloropropane		32000	U	5500	32000
Ethylbenzene		32000	U	8300	32000
Ethylene Dibromide		32000	U	9600	32000
Ethyl methacrylate		32000	U	22000	32000
2-Hexanone		160000	U	21000	160000
Iodomethane		32000	U	12000	32000
Isobutyl alcohol		1300000	U	330000	1300000
Methacrylonitrile		640000	U	150000	640000
Methylene Chloride		32000	U	6300	32000
Methyl methacrylate		64000	U	29000	64000
4-Methyl-2-pentanone (MIBK)		160000	U	27000	160000
Pentachloroethane		160000	U	40000	160000
Propionitrile		640000	U	170000	640000
Styrene		32000	U	5900	32000
1,1,1,2-Tetrachloroethane		32000	U	15000	32000
1,1,1,2,2-Tetrachloroethane		32000	U	10000	32000
Tetrachloroethene		32000	U	12000	32000
Toluene		32000	U	5400	32000

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Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: **WGK-BIGMO-INT-014S-7.0-7.5S**

Lab Sample ID: 680-56289-2

Date Sampled: 03/30/2010 1015

Client Matrix: Solid

% Moisture: 15.5

Date Received: 03/31/2010 0919

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164577	Lab File ID:	m0216.d
Dilution:	2000		Initial Weight/Volume:	3.7 g
Date Analyzed:	04/06/2010 1357		Final Weight/Volume:	10 g
Date Prepared:	03/31/2010 1501			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
trans-1,4-Dichloro-2-butene		64000	U	19000	64000
trans-1,2-Dichloroethene		32000	U	4000	32000
trans-1,3-Dichloropropene		32000	U	5600	32000
1,1,1-Trichloroethane		32000	U	3800	32000
1,1,2-Trichloroethane		32000	U	8300	32000
Trichloroethene		32000	U	8300	32000
Trichlorofluoromethane		32000	U	7700	32000
1,2,3-Trichloropropane		32000	U	15000	32000
Vinyl acetate		64000	U	16000	64000
Vinyl chloride		32000	U	9600	32000
Xylenes, Total		64000	U	7000	64000

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	0	D	65 - 124
Dibromofluoromethane	0	D	65 - 124
Toluene-d8 (Surr)	0	D	65 - 132

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Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: WGK-BIGMO-INT-11S-7.5-8S

Lab Sample ID: 680-56289-3

Date Sampled: 03/30/2010 1143

Client Matrix: Solid

% Moisture: 13.1

Date Received: 03/31/2010 0919

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164577	Lab File ID:	m0217.d
Dilution:	10000		Initial Weight/Volume:	4.5 g
Date Analyzed:	04/06/2010 1420		Final Weight/Volume:	10 g
Date Prepared:	03/31/2010 1501			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		1300000	U	280000	1300000
Acetonitrile		5100000	U	1000000	5100000
Acrolein		2600000	U	610000	2600000
Acrylonitrile		2600000	U	870000	2600000
Benzene		2300000		19000	130000
Bromoform		130000	U	38000	130000
Bromomethane		130000	U	38000	130000
2-Butanone (MEK)		640000	U	61000	640000
Carbon disulfide		130000	U	28000	130000
Carbon tetrachloride		130000	U	21000	130000
Chlorobenzene		130000	U	25000	130000
2-Chloro-1,3-butadiene		130000	U	54000	130000
Chlorodibromomethane		130000	U	43000	130000
Chloroethane		130000	U	69000	130000
Chloroform		130000	U	28000	130000
Chloromethane		130000	U	26000	130000
3-Chloro-1-propene		130000	U	56000	130000
cis-1,3-Dichloropropene		130000	U	21000	130000
1,2-Dibromo-3-Chloropropane		260000	U	110000	260000
Dibromomethane		130000	U	43000	130000
1,2-Dichlorobenzene		130000	U	33000	130000
1,3-Dichlorobenzene		130000	U	41000	130000
1,4-Dichlorobenzene		130000	U	19000	130000
Dichlorobromomethane		130000	U	25000	130000
Dichlorodifluoromethane		130000	U	24000	130000
1,1-Dichloroethane		130000	U	28000	130000
1,2-Dichloroethane		130000	U	28000	130000
1,1-Dichloroethene		130000	U	38000	130000
1,2-Dichloropropane		130000	U	22000	130000
Ethylbenzene		130000	U	33000	130000
Ethylene Dibromide		130000	U	38000	130000
Ethyl methacrylate		130000	U	87000	130000
2-Hexanone		640000	U	84000	640000
Iodomethane		130000	U	46000	130000
Isobutyl alcohol		5100000	U	1300000	5100000
Methacrylonitrile		2600000	U	590000	2600000
Methylene Chloride		130000	U	25000	130000
Methyl methacrylate		260000	U	120000	260000
4-Methyl-2-pentanone (MIBK)		640000	U	110000	640000
Pentachloroethane		640000	U	160000	640000
Propionitrile		2600000	U	670000	2600000
Styrene		130000	U	24000	130000
1,1,1,2-Tetrachloroethane		130000	U	61000	130000
1,1,2,2-Tetrachloroethane		130000	U	41000	130000
Tetrachloroethene		130000	U	49000	130000
Toluene		130000	U	21000	130000

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Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: WGK-BIGMO-INT-11S-7.5-8S

Lab Sample ID: 680-56289-3

Date Sampled: 03/30/2010 1143

Client Matrix: Solid

% Moisture: 13.1

Date Received: 03/31/2010 0919

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 680-165027 Instrument ID: MSM
Preparation: 5035 Prep Batch: 680-164577 Lab File ID: m0217.d
Dilution: 10000 Initial Weight/Volume: 4.5 g
Date Analyzed: 04/06/2010 1420 Final Weight/Volume: 10 g
Date Prepared: 03/31/2010 1501

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
trans-1,4-Dichloro-2-butene		260000	U	74000	260000
trans-1,2-Dichloroethene		130000	U	16000	130000
trans-1,3-Dichloropropene		130000	U	22000	130000
1,1,1-Trichloroethane		130000	U	15000	130000
1,1,2-Trichloroethane		130000	U	33000	130000
Trichloroethene		130000	U	33000	130000
Trichlorofluoromethane		130000	U	31000	130000
1,2,3-Trichloropropane		130000	U	61000	130000
Vinyl acetate		260000	U	64000	260000
Vinyl chloride		130000	U	38000	130000
Xylenes, Total		260000	U	28000	260000

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	0	D	65 - 124
Dibromofluoromethane	0	D	65 - 124
Toluene-d8 (Surr)	0	D	65 - 132

US EPA ARCHIVE DOCUMENT

Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: WGK-BIGMO-INT-02S-7.5-8S

Lab Sample ID: 680-56289-4

Date Sampled: 03/30/2010 1226

Client Matrix: Solid

% Moisture: 15.5

Date Received: 03/31/2010 0919

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164577	Lab File ID:	m0218.d
Dilution:	10000		Initial Weight/Volume:	3.1 g
Date Analyzed:	04/06/2010 1443		Final Weight/Volume:	10 g
Date Prepared:	03/31/2010 1501			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		1900000	U	420000	1900000
Acetonitrile		7600000	U	1600000	7600000
Acrolein		3800000	U	920000	3800000
Acrylonitrile		3800000	U	1300000	3800000
Benzene		5600000		28000	190000
Bromoform		190000	U	57000	190000
Bromomethane		190000	U	57000	190000
2-Butanone (MEK)		950000	U	92000	950000
Carbon disulfide		190000	U	42000	190000
Carbon tetrachloride		190000	U	32000	190000
Chlorobenzene		190000	U	37000	190000
2-Chloro-1,3-butadiene		190000	U	80000	190000
Chlorodibromomethane		190000	U	65000	190000
Chloroethane		190000	U	100000	190000
Chloroform		190000	U	42000	190000
Chloromethane		190000	U	38000	190000
3-Chloro-1-propene		190000	U	84000	190000
cis-1,3-Dichloropropene		190000	U	32000	190000
1,2-Dibromo-3-Chloropropane		380000	U	170000	380000
Dibromomethane		190000	U	65000	190000
1,2-Dichlorobenzene		190000	U	50000	190000
1,3-Dichlorobenzene		190000	U	61000	190000
1,4-Dichlorobenzene		57000	J	28000	190000
Dichlorobromomethane		190000	U	37000	190000
Dichlorodifluoromethane		190000	U	36000	190000
1,1-Dichloroethane		190000	U	42000	190000
1,2-Dichloroethane		190000	U	42000	190000
1,1-Dichloroethene		190000	U	57000	190000
1,2-Dichloropropane		190000	U	33000	190000
Ethylbenzene		190000	U	50000	190000
Ethylene Dibromide		190000	U	57000	190000
Ethyl methacrylate		190000	U	130000	190000
2-Hexanone		950000	U	130000	950000
Iodomethane		190000	U	69000	190000
Isobutyl alcohol		7600000	U	2000000	7600000
Methacrylonitrile		3800000	U	880000	3800000
Methylene Chloride		190000	U	37000	190000
Methyl methacrylate		380000	U	170000	380000
4-Methyl-2-pentanone (MIBK)		950000	U	160000	950000
Pentachloroethane		950000	U	240000	950000
Propionitrile		3800000	U	990000	3800000
Styrene		190000	U	36000	190000
1,1,1,2-Tetrachloroethane		190000	U	92000	190000
1,1,2,2-Tetrachloroethane		190000	U	61000	190000
Tetrachloroethene		190000	U	73000	190000
Toluene		190000	U	32000	190000

US EPA ARCHIVE DOCUMENT

Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: WGK-BIGMO-INT-02S-7.5-8S

Lab Sample ID: 680-56289-4

Date Sampled: 03/30/2010 1226

Client Matrix: Solid

% Moisture: 15.5

Date Received: 03/31/2010 0919

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164577	Lab File ID:	m0218.d
Dilution:	10000		Initial Weight/Volume:	3.1 g
Date Analyzed:	04/06/2010 1443		Final Weight/Volume:	10 g
Date Prepared:	03/31/2010 1501			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
trans-1,4-Dichloro-2-butene		380000	U	110000	380000
trans-1,2-Dichloroethene		190000	U	24000	190000
trans-1,3-Dichloropropene		190000	U	33000	190000
1,1,1-Trichloroethane		190000	U	23000	190000
1,1,2-Trichloroethane		190000	U	50000	190000
Trichloroethene		190000	U	50000	190000
Trichlorofluoromethane		190000	U	46000	190000
1,2,3-Trichloropropane		190000	U	92000	190000
Vinyl acetate		380000	U	95000	380000
Vinyl chloride		190000	U	57000	190000
Xylenes, Total		380000	U	42000	380000

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	0	D	65 - 124
Dibromofluoromethane	0	D	65 - 124
Toluene-d8 (Surr)	0	D	65 - 132

US EPA ARCHIVE DOCUMENT

Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: WGK-BIGMO-INT-9S-7.5-8S

Lab Sample ID: 680-56289-5

Date Sampled: 03/30/2010 1438

Client Matrix: Solid

% Moisture: 20.0

Date Received: 03/31/2010 0919

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164577	Lab File ID:	m0219.d
Dilution:	10000		Initial Weight/Volume:	3.0 g
Date Analyzed:	04/06/2010 1506		Final Weight/Volume:	10 g
Date Prepared:	03/31/2010 1501			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		2100000	U	460000	2100000
Acetonitrile		8300000	U	1700000	8300000
Acrolein		4200000	U	1000000	4200000
Acrylonitrile		4200000	U	1400000	4200000
Benzene		1400000		30000	210000
Bromoform		210000	U	63000	210000
Bromomethane		210000	U	63000	210000
2-Butanone (MEK)		1000000	U	100000	1000000
Carbon disulfide		210000	U	46000	210000
Carbon tetrachloride		210000	U	35000	210000
Chlorobenzene		210000	U	40000	210000
2-Chloro-1,3-butadiene		210000	U	88000	210000
Chlorodibromomethane		210000	U	71000	210000
Chloroethane		210000	U	110000	210000
Chloroform		210000	U	46000	210000
Chloromethane		210000	U	42000	210000
3-Chloro-1-propene		210000	U	92000	210000
cis-1,3-Dichloropropene		210000	U	35000	210000
1,2-Dibromo-3-Chloropropane		420000	U	180000	420000
Dibromomethane		210000	U	71000	210000
1,2-Dichlorobenzene		210000	U	54000	210000
1,3-Dichlorobenzene		210000	U	67000	210000
1,4-Dichlorobenzene		33000	J	31000	210000
Dichlorobromomethane		210000	U	40000	210000
Dichlorodifluoromethane		210000	U	39000	210000
1,1-Dichloroethane		210000	U	46000	210000
1,2-Dichloroethane		210000	U	46000	210000
1,1-Dichloroethene		210000	U	63000	210000
1,2-Dichloropropane		210000	U	36000	210000
Ethylbenzene		210000	U	54000	210000
Ethylene Dibromide		210000	U	63000	210000
Ethyl methacrylate		210000	U	140000	210000
2-Hexanone		1000000	U	140000	1000000
Iodomethane		210000	U	75000	210000
Isobutyl alcohol		8300000	U	2200000	8300000
Methacrylonitrile		4200000	U	960000	4200000
Methylene Chloride		210000	U	41000	210000
Methyl methacrylate		420000	U	190000	420000
4-Methyl-2-pentanone (MIBK)		1000000	U	180000	1000000
Pentachloroethane		1000000	U	260000	1000000
Propionitrile		4200000	U	1100000	4200000
Styrene		210000	U	39000	210000
1,1,1,2-Tetrachloroethane		210000	U	100000	210000
1,1,1,2,2-Tetrachloroethane		210000	U	67000	210000
Tetrachloroethene		210000	U	79000	210000
Toluene		210000	U	35000	210000

US EPA ARCHIVE DOCUMENT

Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: **WGK-BIGMO-INT-9S-7.5-8S**

Lab Sample ID: 680-56289-5

Date Sampled: 03/30/2010 1438

Client Matrix: Solid

% Moisture: 20.0

Date Received: 03/31/2010 0919

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164577	Lab File ID:	m0219.d
Dilution:	10000		Initial Weight/Volume:	3.0 g
Date Analyzed:	04/06/2010 1506		Final Weight/Volume:	10 g
Date Prepared:	03/31/2010 1501			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
trans-1,4-Dichloro-2-butene		420000	U	120000	420000
trans-1,2-Dichloroethene		210000	U	26000	210000
trans-1,3-Dichloropropene		210000	U	36000	210000
1,1,1-Trichloroethane		210000	U	25000	210000
1,1,2-Trichloroethane		210000	U	54000	210000
Trichloroethene		210000	U	54000	210000
Trichlorofluoromethane		210000	U	50000	210000
1,2,3-Trichloropropane		210000	U	100000	210000
Vinyl acetate		420000	U	100000	420000
Vinyl chloride		210000	U	63000	210000
Xylenes, Total		420000	U	46000	420000

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	0	D	65 - 124
Dibromofluoromethane	0	D	65 - 124
Toluene-d8 (Surr)	0	D	65 - 132

US EPA ARCHIVE DOCUMENT

Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: WGK-BIGMO-INT-8S-7.5-8S

Lab Sample ID: 680-56289-6

Date Sampled: 03/30/2010 1520

Client Matrix: Solid

% Moisture: 27.2

Date Received: 03/31/2010 0919

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164577	Lab File ID:	m0220.d
Dilution:	10000		Initial Weight/Volume:	6.1 g
Date Analyzed:	04/06/2010 1528		Final Weight/Volume:	10 g
Date Prepared:	03/31/2010 1501			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		1100000	U	250000	1100000
Acetonitrile		4500000	U	920000	4500000
Acrolein		2300000	U	540000	2300000
Acrylonitrile		2300000	U	770000	2300000
Benzene		2100000		16000	110000
Bromoform		110000	U	34000	110000
Bromomethane		110000	U	34000	110000
2-Butanone (MEK)		560000	U	54000	560000
Carbon disulfide		110000	U	25000	110000
Carbon tetrachloride		110000	U	19000	110000
Chlorobenzene		110000	U	22000	110000
2-Chloro-1,3-butadiene		110000	U	47000	110000
Chlorodibromomethane		110000	U	38000	110000
Chloroethane		110000	U	61000	110000
Chloroform		110000	U	25000	110000
Chloromethane		110000	U	23000	110000
3-Chloro-1-propene		110000	U	50000	110000
cis-1,3-Dichloropropene		110000	U	19000	110000
1,2-Dibromo-3-Chloropropane		230000	U	99000	230000
Dibromomethane		110000	U	38000	110000
1,2-Dichlorobenzene		110000	U	29000	110000
1,3-Dichlorobenzene		110000	U	36000	110000
1,4-Dichlorobenzene		110000	U	17000	110000
Dichlorobromomethane		110000	U	22000	110000
Dichlorodifluoromethane		110000	U	21000	110000
1,1-Dichloroethane		110000	U	25000	110000
1,2-Dichloroethane		110000	U	25000	110000
1,1-Dichloroethene		110000	U	34000	110000
1,2-Dichloropropane		110000	U	19000	110000
Ethylbenzene		110000	U	29000	110000
Ethylene Dibromide		110000	U	34000	110000
Ethyl methacrylate		110000	U	77000	110000
2-Hexanone		560000	U	74000	560000
Iodomethane		110000	U	41000	110000
Isobutyl alcohol		4500000	U	1200000	4500000
Methacrylonitrile		2300000	U	520000	2300000
Methylene Chloride		110000	U	22000	110000
Methyl methacrylate		230000	U	100000	230000
4-Methyl-2-pentanone (MIBK)		560000	U	95000	560000
Pentachloroethane		560000	U	140000	560000
Propionitrile		2300000	U	590000	2300000
Styrene		110000	U	21000	110000
1,1,1,2-Tetrachloroethane		110000	U	54000	110000
1,1,2,2-Tetrachloroethane		110000	U	36000	110000
Tetrachloroethene		110000	U	43000	110000
Toluene		110000	U	19000	110000

US EPA ARCHIVE DOCUMENT

Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: **WGK-BIGMO-INT-8S-7.5-8S**

Lab Sample ID: 680-56289-6

Date Sampled: 03/30/2010 1520

Client Matrix: Solid

% Moisture: 27.2

Date Received: 03/31/2010 0919

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164577	Lab File ID:	m0220.d
Dilution:	10000		Initial Weight/Volume:	6.1 g
Date Analyzed:	04/06/2010 1528		Final Weight/Volume:	10 g
Date Prepared:	03/31/2010 1501			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
trans-1,4-Dichloro-2-butene		230000	U	65000	230000
trans-1,2-Dichloroethene		110000	U	14000	110000
trans-1,3-Dichloropropene		110000	U	20000	110000
1,1,1-Trichloroethane		110000	U	13000	110000
1,1,2-Trichloroethane		110000	U	29000	110000
Trichloroethene		110000	U	29000	110000
Trichlorofluoromethane		110000	U	27000	110000
1,2,3-Trichloropropane		110000	U	54000	110000
Vinyl acetate		230000	U	56000	230000
Vinyl chloride		110000	U	34000	110000
Xylenes, Total		230000	U	25000	230000

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	0	D	65 - 124
Dibromofluoromethane	0	D	65 - 124
Toluene-d8 (Surr)	0	D	65 - 132

US EPA ARCHIVE DOCUMENT

Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: WGK-BIGMO-INT-DUP

Lab Sample ID: 680-56289-7

Date Sampled: 03/30/2010 0000

Client Matrix: Solid

% Moisture: 29.2

Date Received: 03/31/2010 0919

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164577	Lab File ID:	m0221.d
Dilution:	10000		Initial Weight/Volume:	4.7 g
Date Analyzed:	04/06/2010 1551		Final Weight/Volume:	10 g
Date Prepared:	03/31/2010 1501			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		1500000	U	330000	1500000
Acetonitrile		6000000	U	1200000	6000000
Acrolein		3000000	U	720000	3000000
Acrylonitrile		3000000	U	1000000	3000000
Benzene		5400000		22000	150000
Bromoform		150000	U	45000	150000
Bromomethane		150000	U	45000	150000
2-Butanone (MEK)		750000	U	72000	750000
Carbon disulfide		150000	U	33000	150000
Carbon tetrachloride		150000	U	25000	150000
Chlorobenzene		150000	U	29000	150000
2-Chloro-1,3-butadiene		150000	U	63000	150000
Chlorodibromomethane		150000	U	51000	150000
Chloroethane		150000	U	81000	150000
Chloroform		150000	U	33000	150000
Chloromethane		150000	U	30000	150000
3-Chloro-1-propene		150000	U	66000	150000
cis-1,3-Dichloropropene		150000	U	25000	150000
1,2-Dibromo-3-Chloropropane		300000	U	130000	300000
Dibromomethane		150000	U	51000	150000
1,2-Dichlorobenzene		150000	U	39000	150000
1,3-Dichlorobenzene		150000	U	48000	150000
1,4-Dichlorobenzene		150000	U	22000	150000
Dichlorobromomethane		150000	U	29000	150000
Dichlorodifluoromethane		150000	U	28000	150000
1,1-Dichloroethane		150000	U	33000	150000
1,2-Dichloroethane		150000	U	33000	150000
1,1-Dichloroethene		150000	U	45000	150000
1,2-Dichloropropane		150000	U	26000	150000
Ethylbenzene		150000	U	39000	150000
Ethylene Dibromide		150000	U	45000	150000
Ethyl methacrylate		150000	U	100000	150000
2-Hexanone		750000	U	99000	750000
Iodomethane		150000	U	54000	150000
Isobutyl alcohol		6000000	U	1600000	6000000
Methacrylonitrile		3000000	U	690000	3000000
Methylene Chloride		150000	U	29000	150000
Methyl methacrylate		300000	U	140000	300000
4-Methyl-2-pentanone (MIBK)		750000	U	130000	750000
Pentachloroethane		750000	U	190000	750000
Propionitrile		3000000	U	780000	3000000
Styrene		150000	U	28000	150000
1,1,1,2-Tetrachloroethane		150000	U	72000	150000
1,1,2,2-Tetrachloroethane		150000	U	48000	150000
Tetrachloroethene		150000	U	57000	150000
Toluene		150000	U	25000	150000

US EPA ARCHIVE DOCUMENT

Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: **WGK-BIGMO-INT-DUP**

Lab Sample ID: 680-56289-7

Date Sampled: 03/30/2010 0000

Client Matrix: Solid

% Moisture: 29.2

Date Received: 03/31/2010 0919

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164577	Lab File ID:	m0221.d
Dilution:	10000		Initial Weight/Volume:	4.7 g
Date Analyzed:	04/06/2010 1551		Final Weight/Volume:	10 g
Date Prepared:	03/31/2010 1501			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
trans-1,4-Dichloro-2-butene		300000	U	87000	300000
trans-1,2-Dichloroethene		150000	U	19000	150000
trans-1,3-Dichloropropene		150000	U	26000	150000
1,1,1-Trichloroethane		150000	U	18000	150000
1,1,2-Trichloroethane		150000	U	39000	150000
Trichloroethene		150000	U	39000	150000
Trichlorofluoromethane		150000	U	36000	150000
1,2,3-Trichloropropane		150000	U	72000	150000
Vinyl acetate		300000	U	75000	300000
Vinyl chloride		150000	U	45000	150000
Xylenes, Total		300000	U	33000	300000

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	0	D	65 - 124
Dibromofluoromethane	0	D	65 - 124
Toluene-d8 (Surr)	0	D	65 - 132

US EPA ARCHIVE DOCUMENT

Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: Trip Blank

Lab Sample ID: 680-56289-8

Date Sampled: 03/30/2010 0000

Client Matrix: Water

Date Received: 03/31/2010 0919

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 680-164684 Instrument ID: MSO
Preparation: 5030B Lab File ID: o0335.d
Dilution: 1.0 Initial Weight/Volume: 5 mL
Date Analyzed: 04/01/2010 1232 Final Weight/Volume: 5 mL
Date Prepared: 04/01/2010 1232

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	25	U	5.0	25
Acetonitrile	40	U	10	40
Acrolein	20	U	7.4	20
Acrylonitrile	20	U	7.2	20
Benzene	1.0	U	0.25	1.0
Bromoform	1.0	U	0.50	1.0
Bromomethane	1.0	U	0.80	1.0
2-Butanone (MEK)	10	U	1.0	10
Carbon disulfide	2.0	U	0.60	2.0
Carbon tetrachloride	1.0	U	0.50	1.0
Chlorobenzene	1.0	U	0.25	1.0
2-Chloro-1,3-butadiene	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.10	1.0
Chloroethane	1.0	U	1.0	1.0
Chloroform	1.0	U	0.14	1.0
Chloromethane	1.0	U	0.33	1.0
3-Chloro-1-propene	1.0	U	0.20	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.44	1.0
Dibromomethane	1.0	U	0.20	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
1,3-Dichlorobenzene	1.0	U	0.25	1.0
1,4-Dichlorobenzene	1.0	U	0.28	1.0
Dichlorobromomethane	1.0	U	0.25	1.0
Dichlorodifluoromethane	1.0	U	0.25	1.0
1,1-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichloroethane	1.0	U	0.10	1.0
1,1-Dichloroethene	1.0	U	0.11	1.0
1,2-Dichloropropane	1.0	U	0.13	1.0
Ethylbenzene	1.0	U	0.11	1.0
Ethylene Dibromide	1.0	U	0.25	1.0
Ethyl methacrylate	1.0	U	0.25	1.0
2-Hexanone	10	U	1.0	10
Iodomethane	5.0	U	1.0	5.0
Isobutyl alcohol	40	U	11	40
Methacrylonitrile	20	U	3.3	20
Methylene Chloride	5.0	U	1.0	5.0
Methyl methacrylate	1.0	U	0.48	1.0
4-Methyl-2-pentanone (MIBK)	10	U	1.0	10
Pentachloroethane	5.0	U	1.2	5.0
Propionitrile	20	U	4.6	20
Styrene	1.0	U	0.11	1.0
1,1,1,2-Tetrachloroethane	1.0	U	0.33	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.18	1.0
Tetrachloroethene	1.0	U	0.15	1.0
Toluene	1.0	U	0.33	1.0

Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: Trip Blank

Lab Sample ID: 680-56289-8

Date Sampled: 03/30/2010 0000

Client Matrix: Water

Date Received: 03/31/2010 0919

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 680-164684 Instrument ID: MSO
Preparation: 5030B Lab File ID: o0335.d
Dilution: 1.0 Initial Weight/Volume: 5 mL
Date Analyzed: 04/01/2010 1232 Final Weight/Volume: 5 mL
Date Prepared: 04/01/2010 1232

Analyte	Result (ug/L)	Qualifier	MDL	RL
trans-1,4-Dichloro-2-butene	2.0	U	0.50	2.0
trans-1,2-Dichloroethene	1.0	U	0.20	1.0
trans-1,3-Dichloropropene	1.0	U	0.21	1.0
1,1,1-Trichloroethane	1.0	U	0.50	1.0
1,1,2-Trichloroethane	1.0	U	0.13	1.0
Trichloroethene	1.0	U	0.13	1.0
Trichlorofluoromethane	1.0	U	0.25	1.0
1,2,3-Trichloropropane	1.0	U	0.41	1.0
Vinyl acetate	2.0	U	0.28	2.0
Vinyl chloride	1.0	U	0.18	1.0
Xylenes, Total	2.0	U	0.20	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		75 - 120
Dibromofluoromethane	110		75 - 121
Toluene-d8 (Surr)	103		75 - 120

US EPA ARCHIVE DOCUMENT

Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: WGK-BIGMO-INT-17S-6-6.5S

Lab Sample ID: 680-56344-1

Date Sampled: 03/31/2010 0806

Client Matrix: Solid

% Moisture: 20.8

Date Received: 04/01/2010 0944

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164741	Lab File ID:	m0222.d
Dilution:	10000		Initial Weight/Volume:	4.4 g
Date Analyzed:	04/06/2010 1614		Final Weight/Volume:	10 g
Date Prepared:	04/02/2010 1034			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		1400000	U	320000	1400000
Acetonitrile		5700000	U	1200000	5700000
Acrolein		2900000	U	690000	2900000
Acrylonitrile		2900000	U	980000	2900000
Benzene		2500000		21000	140000
Bromoform		140000	U	43000	140000
Bromomethane		140000	U	43000	140000
2-Butanone (MEK)		720000	U	69000	720000
Carbon disulfide		140000	U	32000	140000
Carbon tetrachloride		140000	U	24000	140000
Chlorobenzene		140000	U	28000	140000
2-Chloro-1,3-butadiene		140000	U	60000	140000
Chlorodibromomethane		140000	U	49000	140000
Chloroethane		140000	U	77000	140000
Chloroform		140000	U	32000	140000
Chloromethane		140000	U	29000	140000
3-Chloro-1-propene		140000	U	63000	140000
cis-1,3-Dichloropropene		140000	U	24000	140000
1,2-Dibromo-3-Chloropropane		290000	U	130000	290000
Dibromomethane		140000	U	49000	140000
1,2-Dichlorobenzene		140000	U	37000	140000
1,3-Dichlorobenzene		140000	U	46000	140000
1,4-Dichlorobenzene		140000	U	21000	140000
Dichlorobromomethane		140000	U	28000	140000
Dichlorodifluoromethane		140000	U	27000	140000
1,1-Dichloroethane		140000	U	32000	140000
1,2-Dichloroethane		140000	U	32000	140000
1,1-Dichloroethene		140000	U	43000	140000
1,2-Dichloropropane		140000	U	25000	140000
Ethylbenzene		140000	U	37000	140000
Ethylene Dibromide		140000	U	43000	140000
Ethyl methacrylate		140000	U	98000	140000
2-Hexanone		720000	U	95000	720000
Iodomethane		140000	U	52000	140000
Isobutyl alcohol		5700000	U	1500000	5700000
Methacrylonitrile		2900000	U	660000	2900000
Methylene Chloride		140000	U	28000	140000
Methyl methacrylate		290000	U	130000	290000
4-Methyl-2-pentanone (MIBK)		720000	U	120000	720000
Pentachloroethane		720000	U	180000	720000
Propionitrile		2900000	U	750000	2900000
Styrene		140000	U	27000	140000
1,1,1,2-Tetrachloroethane		140000	U	69000	140000
1,1,1,2,2-Tetrachloroethane		140000	U	46000	140000
Tetrachloroethene		140000	U	55000	140000
Toluene		140000	U	24000	140000

US EPA ARCHIVE DOCUMENT

Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: WGK-BIGMO-INT-17S-6-6.5S

Lab Sample ID: 680-56344-1

Date Sampled: 03/31/2010 0806

Client Matrix: Solid

% Moisture: 20.8

Date Received: 04/01/2010 0944

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164741	Lab File ID:	m0222.d
Dilution:	10000		Initial Weight/Volume:	4.4 g
Date Analyzed:	04/06/2010 1614		Final Weight/Volume:	10 g
Date Prepared:	04/02/2010 1034			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
trans-1,4-Dichloro-2-butene		290000	U	83000	290000
trans-1,2-Dichloroethene		140000	U	18000	140000
trans-1,3-Dichloropropene		140000	U	25000	140000
1,1,1-Trichloroethane		140000	U	17000	140000
1,1,2-Trichloroethane		140000	U	37000	140000
Trichloroethene		140000	U	37000	140000
Trichlorofluoromethane		140000	U	34000	140000
1,2,3-Trichloropropane		140000	U	69000	140000
Vinyl acetate		290000	U	72000	290000
Vinyl chloride		140000	U	43000	140000
Xylenes, Total		290000	U	32000	290000

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	0	D	65 - 124
Dibromofluoromethane	0	D	65 - 124
Toluene-d8 (Surr)	0	D	65 - 132

US EPA ARCHIVE DOCUMENT

Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: WGK-BIGMO-INT-3S-7.5-8S

Lab Sample ID: 680-56344-2

Date Sampled: 03/31/2010 0826

Client Matrix: Solid

% Moisture: 25.9

Date Received: 04/01/2010 0944

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164741	Lab File ID:	m0223.d
Dilution:	1000		Initial Weight/Volume:	5.0 g
Date Analyzed:	04/06/2010 1637		Final Weight/Volume:	10 g
Date Prepared:	04/02/2010 1034			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		130000	U	30000	130000
Acetonitrile		540000	U	110000	540000
Acrolein		270000	U	65000	270000
Acrylonitrile		270000	U	92000	270000
Benzene		290000		2000	13000
Bromoform		13000	U	4000	13000
Bromomethane		13000	U	4000	13000
2-Butanone (MEK)		67000	U	6500	67000
Carbon disulfide		13000	U	3000	13000
Carbon tetrachloride		13000	U	2200	13000
Chlorobenzene		13000	U	2600	13000
2-Chloro-1,3-butadiene		13000	U	5700	13000
Chlorodibromomethane		13000	U	4600	13000
Chloroethane		13000	U	7300	13000
Chloroform		13000	U	3000	13000
Chloromethane		13000	U	2700	13000
3-Chloro-1-propene		13000	U	5900	13000
cis-1,3-Dichloropropene		13000	U	2200	13000
1,2-Dibromo-3-Chloropropane		27000	U	12000	27000
Dibromomethane		13000	U	4600	13000
1,2-Dichlorobenzene		13000	U	3500	13000
1,3-Dichlorobenzene		13000	U	4300	13000
1,4-Dichlorobenzene		13000	U	2000	13000
Dichlorobromomethane		13000	U	2600	13000
Dichlorodifluoromethane		13000	U	2500	13000
1,1-Dichloroethane		13000	U	3000	13000
1,2-Dichloroethane		13000	U	3000	13000
1,1-Dichloroethene		13000	U	4000	13000
1,2-Dichloropropane		13000	U	2300	13000
Ethylbenzene		13000	U	3500	13000
Ethylene Dibromide		13000	U	4000	13000
Ethyl methacrylate		13000	U	9200	13000
2-Hexanone		67000	U	8900	67000
Iodomethane		13000	U	4900	13000
Isobutyl alcohol		540000	U	140000	540000
Methacrylonitrile		270000	U	62000	270000
Methylene Chloride		13000	U	2600	13000
Methyl methacrylate		27000	U	12000	27000
4-Methyl-2-pentanone (MIBK)		67000	U	11000	67000
Pentachloroethane		67000	U	17000	67000
Propionitrile		270000	U	70000	270000
Styrene		13000	U	2500	13000
1,1,1,2-Tetrachloroethane		13000	U	6500	13000
1,1,1,2,2-Tetrachloroethane		13000	U	4300	13000
Tetrachloroethene		13000	U	5100	13000
Toluene		13000	U	2300	13000

US EPA ARCHIVE DOCUMENT

Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: **WGK-BIGMO-INT-3S-7.5-8S**

Lab Sample ID: 680-56344-2

Date Sampled: 03/31/2010 0826

Client Matrix: Solid

% Moisture: 25.9

Date Received: 04/01/2010 0944

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164741	Lab File ID:	m0223.d
Dilution:	1000		Initial Weight/Volume:	5.0 g
Date Analyzed:	04/06/2010 1637		Final Weight/Volume:	10 g
Date Prepared:	04/02/2010 1034			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
trans-1,4-Dichloro-2-butene		27000	U	7800	27000
trans-1,2-Dichloroethene		13000	U	1700	13000
trans-1,3-Dichloropropene		13000	U	2300	13000
1,1,1-Trichloroethane		13000	U	1600	13000
1,1,2-Trichloroethane		13000	U	3500	13000
Trichloroethene		13000	U	3500	13000
Trichlorofluoromethane		13000	U	3200	13000
1,2,3-Trichloropropane		13000	U	6500	13000
Vinyl acetate		27000	U	6700	27000
Vinyl chloride		13000	U	4000	13000
Xylenes, Total		27000	U	3000	27000

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	0	D	65 - 124
Dibromofluoromethane	0	D	65 - 124
Toluene-d8 (Surr)	0	D	65 - 132

US EPA ARCHIVE DOCUMENT

Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: WGK-BIGMO-INT-16S-7.5-8S

Lab Sample ID: 680-56344-3

Date Sampled: 03/31/2010 0907

Client Matrix: Solid

% Moisture: 24.2

Date Received: 04/01/2010 0944

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164741	Lab File ID:	m0224.d
Dilution:	5000		Initial Weight/Volume:	5.3 g
Date Analyzed:	04/06/2010 1659		Final Weight/Volume:	10 g
Date Prepared:	04/02/2010 1034			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		620000	U	140000	620000
Acetonitrile		2500000	U	510000	2500000
Acrolein		1200000	U	300000	1200000
Acrylonitrile		1200000	U	420000	1200000
Benzene		1000000		9100	62000
Bromoform		62000	U	19000	62000
Bromomethane		62000	U	19000	62000
2-Butanone (MEK)		310000	U	30000	310000
Carbon disulfide		62000	U	14000	62000
Carbon tetrachloride		62000	U	10000	62000
Chlorobenzene		62000	U	12000	62000
2-Chloro-1,3-butadiene		62000	U	26000	62000
Chlorodibromomethane		62000	U	21000	62000
Chloroethane		62000	U	34000	62000
Chloroform		62000	U	14000	62000
Chloromethane		62000	U	12000	62000
3-Chloro-1-propene		62000	U	27000	62000
cis-1,3-Dichloropropene		62000	U	10000	62000
1,2-Dibromo-3-Chloropropane		120000	U	55000	120000
Dibromomethane		62000	U	21000	62000
1,2-Dichlorobenzene		62000	U	16000	62000
1,3-Dichlorobenzene		62000	U	20000	62000
1,4-Dichlorobenzene		62000	U	9200	62000
Dichlorobromomethane		62000	U	12000	62000
Dichlorodifluoromethane		62000	U	12000	62000
1,1-Dichloroethane		62000	U	14000	62000
1,2-Dichloroethane		62000	U	14000	62000
1,1-Dichloroethene		62000	U	19000	62000
1,2-Dichloropropane		62000	U	11000	62000
Ethylbenzene		62000	U	16000	62000
Ethylene Dibromide		62000	U	19000	62000
Ethyl methacrylate		62000	U	42000	62000
2-Hexanone		310000	U	41000	310000
Iodomethane		62000	U	22000	62000
Isobutyl alcohol		2500000	U	650000	2500000
Methacrylonitrile		1200000	U	290000	1200000
Methylene Chloride		62000	U	12000	62000
Methyl methacrylate		120000	U	56000	120000
4-Methyl-2-pentanone (MIBK)		310000	U	52000	310000
Pentachloroethane		310000	U	78000	310000
Propionitrile		1200000	U	320000	1200000
Styrene		62000	U	12000	62000
1,1,1,2-Tetrachloroethane		62000	U	30000	62000
1,1,1,2,2-Tetrachloroethane		62000	U	20000	62000
Tetrachloroethene		62000	U	24000	62000
Toluene		62000	U	10000	62000

US EPA ARCHIVE DOCUMENT

Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: **WGK-BIGMO-INT-16S-7.5-8S**

Lab Sample ID: 680-56344-3

Date Sampled: 03/31/2010 0907

Client Matrix: Solid

% Moisture: 24.2

Date Received: 04/01/2010 0944

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164741	Lab File ID:	m0224.d
Dilution:	5000		Initial Weight/Volume:	5.3 g
Date Analyzed:	04/06/2010 1659		Final Weight/Volume:	10 g
Date Prepared:	04/02/2010 1034			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
trans-1,4-Dichloro-2-butene		120000	U	36000	120000
trans-1,2-Dichloroethene		62000	U	7800	62000
trans-1,3-Dichloropropene		62000	U	11000	62000
1,1,1-Trichloroethane		62000	U	7300	62000
1,1,2-Trichloroethane		62000	U	16000	62000
Trichloroethene		62000	U	16000	62000
Trichlorofluoromethane		62000	U	15000	62000
1,2,3-Trichloropropane		62000	U	30000	62000
Vinyl acetate		120000	U	31000	120000
Vinyl chloride		62000	U	19000	62000
Xylenes, Total		120000	U	14000	120000

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	0	D	65 - 124
Dibromofluoromethane	0	D	65 - 124
Toluene-d8 (Surr)	0	D	65 - 132

US EPA ARCHIVE DOCUMENT

Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: WGK-BIGMO-INT-6S-7-7.5S

Lab Sample ID: 680-56344-4

Date Sampled: 03/31/2010 0954

Client Matrix: Solid

% Moisture: 12.1

Date Received: 04/01/2010 0944

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164741	Lab File ID:	m0225.d
Dilution:	10000		Initial Weight/Volume:	4.4 g
Date Analyzed:	04/06/2010 1722		Final Weight/Volume:	10 g
Date Prepared:	04/02/2010 1034			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		1300000	U	280000	1300000
Acetonitrile		5200000	U	1100000	5200000
Acrolein		2600000	U	620000	2600000
Acrylonitrile		2600000	U	880000	2600000
Benzene		4400000		19000	130000
Bromoform		130000	U	39000	130000
Bromomethane		130000	U	39000	130000
2-Butanone (MEK)		650000	U	62000	650000
Carbon disulfide		130000	U	28000	130000
Carbon tetrachloride		130000	U	21000	130000
Chlorobenzene		130000	U	25000	130000
2-Chloro-1,3-butadiene		130000	U	54000	130000
Chlorodibromomethane		130000	U	44000	130000
Chloroethane		130000	U	70000	130000
Chloroform		130000	U	28000	130000
Chloromethane		130000	U	26000	130000
3-Chloro-1-propene		130000	U	57000	130000
cis-1,3-Dichloropropene		130000	U	21000	130000
1,2-Dibromo-3-Chloropropane		260000	U	110000	260000
Dibromomethane		130000	U	44000	130000
1,2-Dichlorobenzene		130000	U	34000	130000
1,3-Dichlorobenzene		130000	U	41000	130000
1,4-Dichlorobenzene		130000	U	19000	130000
Dichlorobromomethane		130000	U	25000	130000
Dichlorodifluoromethane		130000	U	24000	130000
1,1-Dichloroethane		130000	U	28000	130000
1,2-Dichloroethane		130000	U	28000	130000
1,1-Dichloroethene		130000	U	39000	130000
1,2-Dichloropropane		130000	U	22000	130000
Ethylbenzene		130000	U	34000	130000
Ethylene Dibromide		130000	U	39000	130000
Ethyl methacrylate		130000	U	88000	130000
2-Hexanone		650000	U	85000	650000
Iodomethane		130000	U	47000	130000
Isobutyl alcohol		5200000	U	1300000	5200000
Methacrylonitrile		2600000	U	590000	2600000
Methylene Chloride		130000	U	25000	130000
Methyl methacrylate		260000	U	120000	260000
4-Methyl-2-pentanone (MIBK)		650000	U	110000	650000
Pentachloroethane		650000	U	160000	650000
Propionitrile		2600000	U	670000	2600000
Styrene		130000	U	24000	130000
1,1,1,2-Tetrachloroethane		130000	U	62000	130000
1,1,2,2-Tetrachloroethane		130000	U	41000	130000
Tetrachloroethene		130000	U	49000	130000
Toluene		130000	U	22000	130000

US EPA ARCHIVE DOCUMENT

Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: **WGK-BIGMO-INT-6S-7-7.5S**

Lab Sample ID: 680-56344-4

Date Sampled: 03/31/2010 0954

Client Matrix: Solid

% Moisture: 12.1

Date Received: 04/01/2010 0944

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164741	Lab File ID:	m0225.d
Dilution:	10000		Initial Weight/Volume:	4.4 g
Date Analyzed:	04/06/2010 1722		Final Weight/Volume:	10 g
Date Prepared:	04/02/2010 1034			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
trans-1,4-Dichloro-2-butene		260000	U	75000	260000
trans-1,2-Dichloroethene		130000	U	16000	130000
trans-1,3-Dichloropropene		130000	U	22000	130000
1,1,1-Trichloroethane		130000	U	15000	130000
1,1,2-Trichloroethane		130000	U	34000	130000
Trichloroethene		130000	U	34000	130000
Trichlorofluoromethane		130000	U	31000	130000
1,2,3-Trichloropropane		130000	U	62000	130000
Vinyl acetate		260000	U	65000	260000
Vinyl chloride		130000	U	39000	130000
Xylenes, Total		260000	U	28000	260000

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	0	D	65 - 124
Dibromofluoromethane	0	D	65 - 124
Toluene-d8 (Surr)	0	D	65 - 132

US EPA ARCHIVE DOCUMENT

Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: WGK-BIGMO-INT-6S-7.5-8S

Lab Sample ID: 680-56344-5

Date Sampled: 03/31/2010 1002

Client Matrix: Solid

% Moisture: 13.1

Date Received: 04/01/2010 0944

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164741	Lab File ID:	m0226.d
Dilution:	5000		Initial Weight/Volume:	5.0 g
Date Analyzed:	04/06/2010 1745		Final Weight/Volume:	10 g
Date Prepared:	04/02/2010 1034			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		580000	U	130000	580000
Acetonitrile		2300000	U	470000	2300000
Acrolein		1200000	U	280000	1200000
Acrylonitrile		1200000	U	390000	1200000
Benzene		1300000		8400	58000
Bromoform		58000	U	17000	58000
Bromomethane		58000	U	17000	58000
2-Butanone (MEK)		290000	U	28000	290000
Carbon disulfide		58000	U	13000	58000
Carbon tetrachloride		58000	U	9600	58000
Chlorobenzene		58000	U	11000	58000
2-Chloro-1,3-butadiene		58000	U	24000	58000
Chlorodibromomethane		58000	U	20000	58000
Chloroethane		58000	U	31000	58000
Chloroform		58000	U	13000	58000
Chloromethane		58000	U	12000	58000
3-Chloro-1-propene		58000	U	25000	58000
cis-1,3-Dichloropropene		58000	U	9600	58000
1,2-Dibromo-3-Chloropropane		120000	U	51000	120000
Dibromomethane		58000	U	20000	58000
1,2-Dichlorobenzene		58000	U	15000	58000
1,3-Dichlorobenzene		58000	U	18000	58000
1,4-Dichlorobenzene		58000	U	8500	58000
Dichlorobromomethane		58000	U	11000	58000
Dichlorodifluoromethane		58000	U	11000	58000
1,1-Dichloroethane		58000	U	13000	58000
1,2-Dichloroethane		58000	U	13000	58000
1,1-Dichloroethene		58000	U	17000	58000
1,2-Dichloropropane		58000	U	9900	58000
Ethylbenzene		58000	U	15000	58000
Ethylene Dibromide		58000	U	17000	58000
Ethyl methacrylate		58000	U	39000	58000
2-Hexanone		290000	U	38000	290000
Iodomethane		58000	U	21000	58000
Isobutyl alcohol		2300000	U	600000	2300000
Methacrylonitrile		1200000	U	260000	1200000
Methylene Chloride		58000	U	11000	58000
Methyl methacrylate		120000	U	52000	120000
4-Methyl-2-pentanone (MIBK)		290000	U	48000	290000
Pentachloroethane		290000	U	73000	290000
Propionitrile		1200000	U	300000	1200000
Styrene		58000	U	11000	58000
1,1,1,2-Tetrachloroethane		58000	U	28000	58000
1,1,2,2-Tetrachloroethane		58000	U	18000	58000
Tetrachloroethene		58000	U	22000	58000
Toluene		58000	U	9700	58000

US EPA ARCHIVE DOCUMENT

Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: **WGK-BIGMO-INT-6S-7.5-8S**

Lab Sample ID: 680-56344-5

Date Sampled: 03/31/2010 1002

Client Matrix: Solid

% Moisture: 13.1

Date Received: 04/01/2010 0944

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164741	Lab File ID:	m0226.d
Dilution:	5000		Initial Weight/Volume:	5.0 g
Date Analyzed:	04/06/2010 1745		Final Weight/Volume:	10 g
Date Prepared:	04/02/2010 1034			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
trans-1,4-Dichloro-2-butene		120000	U	33000	120000
trans-1,2-Dichloroethene		58000	U	7300	58000
trans-1,3-Dichloropropene		58000	U	10000	58000
1,1,1-Trichloroethane		58000	U	6800	58000
1,1,2-Trichloroethane		58000	U	15000	58000
Trichloroethene		58000	U	15000	58000
Trichlorofluoromethane		58000	U	14000	58000
1,2,3-Trichloropropane		58000	U	28000	58000
Vinyl acetate		120000	U	29000	120000
Vinyl chloride		58000	U	17000	58000
Xylenes, Total		120000	U	13000	120000

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	0	D	65 - 124
Dibromofluoromethane	0	D	65 - 124
Toluene-d8 (Surr)	0	D	65 - 132

US EPA ARCHIVE DOCUMENT

Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: WGK-BIGMO-INT-4S-7.5-8S

Lab Sample ID: 680-56344-6

Date Sampled: 03/31/2010 1034

Client Matrix: Solid

% Moisture: 15.3

Date Received: 04/01/2010 0944

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164741	Lab File ID:	m0227.d
Dilution:	10000		Initial Weight/Volume:	3.8 g
Date Analyzed:	04/06/2010 1808		Final Weight/Volume:	10 g
Date Prepared:	04/02/2010 1034			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		1600000	U	340000	1600000
Acetonitrile		6200000	U	1300000	6200000
Acrolein		3100000	U	750000	3100000
Acrylonitrile		3100000	U	1100000	3100000
Benzene		3500000		23000	160000
Bromoform		160000	U	47000	160000
Bromomethane		160000	U	47000	160000
2-Butanone (MEK)		780000	U	75000	780000
Carbon disulfide		160000	U	34000	160000
Carbon tetrachloride		160000	U	26000	160000
Chlorobenzene		160000	U	30000	160000
2-Chloro-1,3-butadiene		160000	U	65000	160000
Chlorodibromomethane		160000	U	53000	160000
Chloroethane		160000	U	84000	160000
Chloroform		160000	U	34000	160000
Chloromethane		160000	U	31000	160000
3-Chloro-1-propene		160000	U	68000	160000
cis-1,3-Dichloropropene		160000	U	26000	160000
1,2-Dibromo-3-Chloropropane		310000	U	140000	310000
Dibromomethane		160000	U	53000	160000
1,2-Dichlorobenzene		160000	U	40000	160000
1,3-Dichlorobenzene		160000	U	50000	160000
1,4-Dichlorobenzene		29000	J	23000	160000
Dichlorobromomethane		160000	U	30000	160000
Dichlorodifluoromethane		160000	U	29000	160000
1,1-Dichloroethane		160000	U	34000	160000
1,2-Dichloroethane		160000	U	34000	160000
1,1-Dichloroethene		160000	U	47000	160000
1,2-Dichloropropane		160000	U	27000	160000
Ethylbenzene		160000	U	40000	160000
Ethylene Dibromide		160000	U	47000	160000
Ethyl methacrylate		160000	U	110000	160000
2-Hexanone		780000	U	100000	780000
Iodomethane		160000	U	56000	160000
Isobutyl alcohol		6200000	U	1600000	6200000
Methacrylonitrile		3100000	U	710000	3100000
Methylene Chloride		160000	U	30000	160000
Methyl methacrylate		310000	U	140000	310000
4-Methyl-2-pentanone (MIBK)		780000	U	130000	780000
Pentachloroethane		780000	U	200000	780000
Propionitrile		3100000	U	810000	3100000
Styrene		160000	U	29000	160000
1,1,1,2-Tetrachloroethane		160000	U	75000	160000
1,1,2,2-Tetrachloroethane		160000	U	50000	160000
Tetrachloroethene		160000	U	59000	160000
Toluene		160000	U	26000	160000

US EPA ARCHIVE DOCUMENT

Analytical Data

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Client Sample ID: **WGK-BIGMO-INT-4S-7.5-8S**

Lab Sample ID: 680-56344-6

Date Sampled: 03/31/2010 1034

Client Matrix: Solid

% Moisture: 15.3

Date Received: 04/01/2010 0944

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-165027	Instrument ID:	MSM
Preparation:	5035	Prep Batch: 680-164741	Lab File ID:	m0227.d
Dilution:	10000		Initial Weight/Volume:	3.8 g
Date Analyzed:	04/06/2010 1808		Final Weight/Volume:	10 g
Date Prepared:	04/02/2010 1034			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
trans-1,4-Dichloro-2-butene		310000	U	90000	310000
trans-1,2-Dichloroethene		160000	U	20000	160000
trans-1,3-Dichloropropene		160000	U	27000	160000
1,1,1-Trichloroethane		160000	U	18000	160000
1,1,2-Trichloroethane		160000	U	40000	160000
Trichloroethene		160000	U	40000	160000
Trichlorofluoromethane		160000	U	37000	160000
1,2,3-Trichloropropane		160000	U	75000	160000
Vinyl acetate		310000	U	78000	310000
Vinyl chloride		160000	U	47000	160000
Xylenes, Total		310000	U	34000	310000

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	0	D	65 - 124
Dibromofluoromethane	0	D	65 - 124
Toluene-d8 (Surr)	0	D	65 - 132

US EPA ARCHIVE DOCUMENT

DATA REPORTING QUALIFIERS

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.
	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.

US EPA ARCHIVE DOCUMENT

QUALITY CONTROL RESULTS

Quality Control Results

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC/MS VOA					
Prep Batch: 680-164577					
680-56289-1	WGK-BIGMO-INT-01S-7.0-7.5S	T	Solid	5035	
680-56289-2	WGK-BIGMO-INT-014S-7.0-7.5S	T	Solid	5035	
680-56289-3	WGK-BIGMO-INT-11S-7.5-8S	T	Solid	5035	
680-56289-4	WGK-BIGMO-INT-02S-7.5-8S	T	Solid	5035	
680-56289-5	WGK-BIGMO-INT-9S-7.5-8S	T	Solid	5035	
680-56289-6	WGK-BIGMO-INT-8S-7.5-8S	T	Solid	5035	
680-56289-7	WGK-BIGMO-INT-DUP	T	Solid	5035	
Analysis Batch:680-164684					
LCS 680-164684/7	Lab Control Sample	T	Water	8260B	
LCSD 680-164684/8	Lab Control Sample Duplicate	T	Water	8260B	
MB 680-164684/10	Method Blank	T	Water	8260B	
680-56289-8	Trip Blank	T	Water	8260B	
Prep Batch: 680-164741					
680-56344-1	WGK-BIGMO-INT-17S-6-6.5S	T	Solid	5035	
680-56344-2	WGK-BIGMO-INT-3S-7.5-8S	T	Solid	5035	
680-56344-3	WGK-BIGMO-INT-16S-7.5-8S	T	Solid	5035	
680-56344-4	WGK-BIGMO-INT-6S-7-7.5S	T	Solid	5035	
680-56344-5	WGK-BIGMO-INT-6S-7.5-8S	T	Solid	5035	
680-56344-6	WGK-BIGMO-INT-4S-7.5-8S	T	Solid	5035	
Analysis Batch:680-165027					
LCS 680-165027/8	Lab Control Sample	T	Solid	8260B	
LCSD 680-165027/9	Lab Control Sample Duplicate	T	Solid	8260B	
MB 680-165027/11	Method Blank	T	Solid	8260B	
680-56289-1	WGK-BIGMO-INT-01S-7.0-7.5S	T	Solid	8260B	680-164577
680-56289-2	WGK-BIGMO-INT-014S-7.0-7.5S	T	Solid	8260B	680-164577
680-56289-3	WGK-BIGMO-INT-11S-7.5-8S	T	Solid	8260B	680-164577
680-56289-4	WGK-BIGMO-INT-02S-7.5-8S	T	Solid	8260B	680-164577
680-56289-5	WGK-BIGMO-INT-9S-7.5-8S	T	Solid	8260B	680-164577
680-56289-6	WGK-BIGMO-INT-8S-7.5-8S	T	Solid	8260B	680-164577
680-56289-7	WGK-BIGMO-INT-DUP	T	Solid	8260B	680-164577
680-56344-1	WGK-BIGMO-INT-17S-6-6.5S	T	Solid	8260B	680-164741
680-56344-2	WGK-BIGMO-INT-3S-7.5-8S	T	Solid	8260B	680-164741
680-56344-3	WGK-BIGMO-INT-16S-7.5-8S	T	Solid	8260B	680-164741
680-56344-4	WGK-BIGMO-INT-6S-7-7.5S	T	Solid	8260B	680-164741
680-56344-5	WGK-BIGMO-INT-6S-7.5-8S	T	Solid	8260B	680-164741
680-56344-6	WGK-BIGMO-INT-4S-7.5-8S	T	Solid	8260B	680-164741

Report Basis

T = Total

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Quality Control Results

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:680-164927					
680-56344-1	WGK-BIGMO-INT-17S-6-6.5S	T	Solid	Moisture	
680-56344-2	WGK-BIGMO-INT-3S-7.5-8S	T	Solid	Moisture	
680-56344-3	WGK-BIGMO-INT-16S-7.5-8S	T	Solid	Moisture	
680-56344-4	WGK-BIGMO-INT-6S-7-7.5S	T	Solid	Moisture	
680-56344-5	WGK-BIGMO-INT-6S-7.5-8S	T	Solid	Moisture	
680-56344-6	WGK-BIGMO-INT-4S-7.5-8S	T	Solid	Moisture	

Report Basis

T = Total

US EPA ARCHIVE DOCUMENT

Client: Solutia Inc.

Job Number: 680-56289-1
Sdg Number: KSX021

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
680-56289-1	WGK-BIGMO-INT-01 S-7.0-7.5S	0D	0D	0D
680-56289-2	WGK-BIGMO-INT-01 4S-7.0-7.5S	0D	0D	0D
680-56289-3	WGK-BIGMO-INT-11 S-7.5-8S	0D	0D	0D
680-56289-4	WGK-BIGMO-INT-02 S-7.5-8S	0D	0D	0D
680-56289-5	WGK-BIGMO-INT-9S -7.5-8S	0D	0D	0D
680-56289-6	WGK-BIGMO-INT-8S -7.5-8S	0D	0D	0D
680-56289-7	WGK-BIGMO-INT-DU P	0D	0D	0D
680-56344-1	WGK-BIGMO-INT-17 S-6-6.5S	0D	0D	0D
680-56344-2	WGK-BIGMO-INT-3S -7.5-8S	0D	0D	0D
680-56344-3	WGK-BIGMO-INT-16 S-7.5-8S	0D	0D	0D
680-56344-4	WGK-BIGMO-INT-6S -7-7.5S	0D	0D	0D
680-56344-5	WGK-BIGMO-INT-6S -7.5-8S	0D	0D	0D
680-56344-6	WGK-BIGMO-INT-4S -7.5-8S	0D	0D	0D
MB 680-165027/11		112	100	104
LCS 680-165027/8		96	88	93
LCSD 680-165027/9		97	88	92

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene	65-124
DBFM = Dibromofluoromethane	65-124
TOL = Toluene-d8 (Surr)	65-132

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
680-56289-8	Trip Blank	101	110	103
MB 680-164684/10		103	111	102
LCS 680-164684/7		107	112	102
LCSD 680-164684/8		104	115	102

US EPA ARCHIVE DOCUMENT

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene	75-120
DBFM = Dibromofluoromethane	75-121
TOL = Toluene-d8 (Surr)	75-120

Quality Control Results

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Method Blank - Batch: 680-164684

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-164684/10

Analysis Batch: 680-164684

Instrument ID: MSO

Client Matrix: Water

Prep Batch: N/A

Lab File ID: oq291.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 04/01/2010 1134

Final Weight/Volume: 5 mL

Date Prepared: 04/01/2010 1134

Analyte	Result	Qual	MDL	RL
Acetone	25	U	5.0	25
Acetonitrile	40	U	10	40
Acrolein	20	U	7.4	20
Acrylonitrile	20	U	7.2	20
Benzene	1.0	U	0.25	1.0
Bromoform	1.0	U	0.50	1.0
Bromomethane	1.0	U	0.80	1.0
2-Butanone (MEK)	10	U	1.0	10
Carbon disulfide	2.0	U	0.60	2.0
Carbon tetrachloride	1.0	U	0.50	1.0
Chlorobenzene	1.0	U	0.25	1.0
2-Chloro-1,3-butadiene	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.10	1.0
Chloroethane	1.0	U	1.0	1.0
Chloroform	1.0	U	0.14	1.0
Chloromethane	1.0	U	0.33	1.0
3-Chloro-1-propene	1.0	U	0.20	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.44	1.0
Dibromomethane	1.0	U	0.20	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
1,3-Dichlorobenzene	1.0	U	0.25	1.0
1,4-Dichlorobenzene	1.0	U	0.28	1.0
Dichlorobromomethane	1.0	U	0.25	1.0
Dichlorodifluoromethane	1.0	U	0.25	1.0
1,1-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichloroethane	1.0	U	0.10	1.0
1,1-Dichloroethene	1.0	U	0.11	1.0
1,2-Dichloropropane	1.0	U	0.13	1.0
Ethylbenzene	1.0	U	0.11	1.0
Ethylene Dibromide	1.0	U	0.25	1.0
Ethyl methacrylate	1.0	U	0.25	1.0
2-Hexanone	10	U	1.0	10
Iodomethane	5.0	U	1.0	5.0
Isobutyl alcohol	40	U	11	40
Methacrylonitrile	20	U	3.3	20
Methylene Chloride	5.0	U	1.0	5.0
Methyl methacrylate	1.0	U	0.48	1.0
4-Methyl-2-pentanone (MIBK)	10	U	1.0	10
Pentachloroethane	5.0	U	1.2	5.0
Propionitrile	20	U	4.6	20
Styrene	1.0	U	0.11	1.0
1,1,1,2-Tetrachloroethane	1.0	U	0.33	1.0

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Quality Control Results

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Method Blank - Batch: 680-164684

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-164684/10

Analysis Batch: 680-164684

Instrument ID: MSO

Client Matrix: Water

Prep Batch: N/A

Lab File ID: oq291.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 04/01/2010 1134

Final Weight/Volume: 5 mL

Date Prepared: 04/01/2010 1134

Analyte	Result	Qual	MDL	RL
1,1,2,2-Tetrachloroethane	1.0	U	0.18	1.0
Tetrachloroethene	1.0	U	0.15	1.0
Toluene	1.0	U	0.33	1.0
trans-1,4-Dichloro-2-butene	2.0	U	0.50	2.0
trans-1,2-Dichloroethene	1.0	U	0.20	1.0
trans-1,3-Dichloropropene	1.0	U	0.21	1.0
1,1,1-Trichloroethane	1.0	U	0.50	1.0
1,1,2-Trichloroethane	1.0	U	0.13	1.0
Trichloroethene	1.0	U	0.13	1.0
Trichlorofluoromethane	1.0	U	0.25	1.0
1,2,3-Trichloropropane	1.0	U	0.41	1.0
Vinyl acetate	2.0	U	0.28	2.0
Vinyl chloride	1.0	U	0.18	1.0
Xylenes, Total	2.0	U	0.20	2.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	103	75 - 120
Dibromofluoromethane	111	75 - 121
Toluene-d8 (Surr)	102	75 - 120

US EPA ARCHIVE DOCUMENT

Quality Control Results

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 680-164684

Method: 8260B

Preparation: 5030B

LCS Lab Sample ID: LCS 680-164684/7
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/01/2010 0936
 Date Prepared: 04/01/2010 0936

Analysis Batch: 680-164684
 Prep Batch: N/A
 Units: ug/L

Instrument ID: MSO
 Lab File ID: oq283.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-164684/8
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 04/01/2010 1005
 Date Prepared: 04/01/2010 1005

Analysis Batch: 680-164684
 Prep Batch: N/A
 Units: ug/L

Instrument ID: MSO
 Lab File ID: oq285.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Acetone	95	108	17 - 175	12	50		
Benzene	101	102	77 - 119	1	30		
Bromoform	97	95	62 - 133	2	30		
Bromomethane	87	101	12 - 184	15	50		
2-Butanone (MEK)	103	108	33 - 157	4	30		
Carbon disulfide	108	109	55 - 131	1	30		
Carbon tetrachloride	106	111	71 - 135	5	30		
Chlorobenzene	107	104	85 - 116	2	30		
Chlorodibromomethane	119	117	75 - 133	2	30		
Chloroethane	93	94	40 - 165	1	50		
Chloroform	110	109	82 - 120	1	30		
Chloromethane	88	85	48 - 142	3	50		
cis-1,3-Dichloropropene	111	110	76 - 126	1	30		
1,2-Dibromo-3-Chloropropane	98	93	49 - 140	6	30		
Dibromomethane	102	99	78 - 119	3	30		
1,2-Dichlorobenzene	106	101	79 - 124	4	30		
1,3-Dichlorobenzene	104	101	78 - 125	4	30		
1,4-Dichlorobenzene	107	103	81 - 122	4	30		
Dichlorobromomethane	102	102	78 - 127	1	30		
Dichlorodifluoromethane	114	117	34 - 154	3	30		
1,1-Dichloroethane	109	109	74 - 127	0	30		
1,2-Dichloroethane	92	93	66 - 132	1	30		
1,1-Dichloroethene	111	115	62 - 141	4	30		
1,2-Dichloropropane	97	96	73 - 124	1	30		
Ethylbenzene	106	106	86 - 116	0	30		
Ethylene Dibromide	102	102	80 - 121	1	30		
2-Hexanone	103	103	34 - 161	0	30		
Methylene Chloride	114	109	70 - 125	4	30		
4-Methyl-2-pentanone (MIBK)	99	101	40 - 151	2	30		
Styrene	107	106	82 - 122	1	30		
1,1,1,2-Tetrachloroethane	95	94	81 - 128	1	30		
1,1,2,2-Tetrachloroethane	108	105	69 - 129	3	30		
Tetrachloroethene	104	105	76 - 126	1	30		

US EPA ARCHIVE DOCUMENT

Quality Control Results

Client: Solutia Inc.

Job Number: 680-56289-1
Sdg Number: KSX021

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-164684**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 680-164684/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/01/2010 0936
Date Prepared: 04/01/2010 0936

Analysis Batch: 680-164684
Prep Batch: N/A
Units: ug/L

Instrument ID: MSO
Lab File ID: oq283.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-164684/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/01/2010 1005
Date Prepared: 04/01/2010 1005

Analysis Batch: 680-164684
Prep Batch: N/A
Units: ug/L

Instrument ID: MSO
Lab File ID: oq285.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Toluene	97	98	81 - 117	1	30		
trans-1,2-Dichloroethene	104	107	72 - 131	3	30		
trans-1,3-Dichloropropene	112	111	73 - 128	1	30		
1,1,1-Trichloroethane	101	104	76 - 127	3	30		
1,1,2-Trichloroethane	98	96	75 - 121	2	30		
Trichloroethene	100	102	84 - 115	2	30		
Trichlorofluoromethane	85	90	58 - 149	5	50		
1,2,3-Trichloropropane	99	95	70 - 130	4	30		
Vinyl acetate	130	130	10 - 217	1	30		
Vinyl chloride	81	81	59 - 144	0	50		
Xylenes, Total	106	104	84 - 118	1	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	107		104		75 - 120		
Dibromofluoromethane	112		115		75 - 121		
Toluene-d8 (Surr)	102		102		75 - 120		

US EPA ARCHIVE DOCUMENT

Quality Control Results

Client: Solutia Inc.

Job Number: 680-56289-1

Sdg Number: KSX021

Method Blank - Batch: 680-165027

Method: 8260B

Preparation: N/A

Lab Sample ID: MB 680-165027/11

Analysis Batch: 680-165027

Instrument ID: MSM

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: mq092.d

Dilution: 40

Units: ug/Kg

Initial Weight/Volume: 5 g

Date Analyzed: 04/06/2010 1244

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Result	Qual	MDL	RL
Acetone	2000	U	440	2000
Acetonitrile	8000	U	1600	8000
Acrolein	4000	U	960	4000
Acrylonitrile	4000	U	1400	4000
Benzene	200	U	29	200
Bromoform	200	U	60	200
Bromomethane	200	U	60	200
2-Butanone (MEK)	1000	U	96	1000
Carbon disulfide	200	U	44	200
Carbon tetrachloride	200	U	33	200
Chlorobenzene	200	U	38	200
2-Chloro-1,3-butadiene	200	U	84	200
Chlorodibromomethane	200	U	68	200
Chloroethane	200	U	110	200
Chloroform	200	U	44	200
Chloromethane	200	U	40	200
3-Chloro-1-propene	200	U	88	200
cis-1,3-Dichloropropene	200	U	33	200
1,2-Dibromo-3-Chloropropane	400	U	180	400
Dibromomethane	200	U	68	200
1,2-Dichlorobenzene	200	U	52	200
1,3-Dichlorobenzene	200	U	64	200
1,4-Dichlorobenzene	200	U	30	200
Dichlorobromomethane	200	U	39	200
Dichlorodifluoromethane	200	U	38	200
1,1-Dichloroethane	200	U	44	200
1,2-Dichloroethane	200	U	44	200
1,1-Dichloroethene	200	U	60	200
1,2-Dichloropropane	200	U	34	200
Ethylbenzene	200	U	52	200
Ethylene Dibromide	200	U	60	200
Ethyl methacrylate	200	U	140	200
2-Hexanone	1000	U	130	1000
Iodomethane	200	U	72	200
Isobutyl alcohol	8000	U	2100	8000
Methacrylonitrile	4000	U	920	4000
Methylene Chloride	200	U	39	200
Methyl methacrylate	400	U	180	400
4-Methyl-2-pentanone (MIBK)	1000	U	170	1000
Pentachloroethane	1000	U	250	1000
Propionitrile	4000	U	1000	4000
Styrene	200	U	37	200
1,1,1,2-Tetrachloroethane	200	U	96	200

US EPA ARCHIVE DOCUMENT

Quality Control Results

Client: Solutia Inc.

Job Number: 680-56289-1
Sdg Number: KSX021

Method Blank - Batch: 680-165027

**Method: 8260B
Preparation: N/A**

Lab Sample ID: MB 680-165027/11
Client Matrix: Solid
Dilution: 40
Date Analyzed: 04/06/2010 1244
Date Prepared: N/A

Analysis Batch: 680-165027
Prep Batch: N/A
Units: ug/Kg

Instrument ID: MSM
Lab File ID: mq092.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,2,2-Tetrachloroethane	200	U	64	200
Tetrachloroethene	200	U	76	200
Toluene	200	U	34	200
trans-1,4-Dichloro-2-butene	400	U	120	400
trans-1,2-Dichloroethene	200	U	25	200
trans-1,3-Dichloropropene	200	U	35	200
1,1,1-Trichloroethane	200	U	24	200
1,1,2-Trichloroethane	200	U	52	200
Trichloroethene	200	U	52	200
Trichlorofluoromethane	200	U	48	200
1,2,3-Trichloropropane	200	U	96	200
Vinyl acetate	400	U	100	400
Vinyl chloride	200	U	60	200
Xylenes, Total	400	U	44	400

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	112	65 - 124
Dibromofluoromethane	100	65 - 124
Toluene-d8 (Surr)	104	65 - 132

US EPA ARCHIVE DOCUMENT

Quality Control Results

Client: Solutia Inc.

Job Number: 680-56289-1
Sdg Number: KSX021

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-165027**

**Method: 8260B
Preparation: N/A**

LCS Lab Sample ID: LCS 680-165027/8
Client Matrix: Solid
Dilution: 40
Date Analyzed: 04/06/2010 1045
Date Prepared: N/A

Analysis Batch: 680-165027
Prep Batch: N/A
Units: ug/Kg

Instrument ID: MSM
Lab File ID: mq088.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-165027/9
Client Matrix: Solid
Dilution: 40
Date Analyzed: 04/06/2010 1108
Date Prepared: N/A

Analysis Batch: 680-165027
Prep Batch: N/A
Units: ug/Kg

Instrument ID: MSM
Lab File ID: mq089.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Acetone	134	137	16 - 202	2	50		
Benzene	97	96	63 - 130	0	50		
Bromoform	90	88	66 - 127	2	50		
Bromomethane	80	86	54 - 146	8	50		
2-Butanone (MEK)	136	132	19 - 192	3	50		
Carbon disulfide	94	95	46 - 134	1	50		
Carbon tetrachloride	86	86	60 - 136	1	50		
Chlorobenzene	83	83	77 - 120	0	50		
Chlorodibromomethane	85	85	70 - 126	1	50		
Chloroethane	42	39	26 - 166	6	50		
Chloroform	88	90	68 - 127	2	50		
Chloromethane	119	121	46 - 137	2	50		
cis-1,3-Dichloropropene	94	92	66 - 137	2	50		
1,2-Dibromo-3-Chloropropane	91	91	62 - 140	0	50		
Dibromomethane	108	105	61 - 138	2	50		
1,2-Dichlorobenzene	94	98	75 - 123	4	50		
1,3-Dichlorobenzene	95	97	74 - 123	2	50		
1,4-Dichlorobenzene	96	97	75 - 122	1	50		
Dichlorobromomethane	104	104	64 - 137	0	50		
Dichlorodifluoromethane	75	76	17 - 163	1	50		
1,1-Dichloroethane	98	99	65 - 130	1	50		
1,2-Dichloroethane	92	90	62 - 140	2	50		
1,1-Dichloroethene	91	98	59 - 137	8	50		
1,2-Dichloropropane	98	94	66 - 135	4	50		
Ethylbenzene	85	85	77 - 121	0	50		
Ethylene Dibromide	100	96	61 - 138	3	50		
2-Hexanone	125	125	47 - 151	0	50		
Methylene Chloride	106	102	65 - 126	3	50		
4-Methyl-2-pentanone (MIBK)	115	110	50 - 148	5	50		
Styrene	98	98	75 - 123	1	50		
1,1,1,2-Tetrachloroethane	82	81	72 - 124	1	50		
1,1,2,2-Tetrachloroethane	108	106	65 - 130	3	50		
Tetrachloroethene	80	84	76 - 120	5	50		

US EPA ARCHIVE DOCUMENT

Quality Control Results

Client: Solutia Inc.

Job Number: 680-56289-1
Sdg Number: KSX021

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-165027**

**Method: 8260B
Preparation: N/A**

LCS Lab Sample ID: LCS 680-165027/8
Client Matrix: Solid
Dilution: 40
Date Analyzed: 04/06/2010 1045
Date Prepared: N/A

Analysis Batch: 680-165027
Prep Batch: N/A
Units: ug/Kg

Instrument ID: MSM
Lab File ID: mq088.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-165027/9
Client Matrix: Solid
Dilution: 40
Date Analyzed: 04/06/2010 1108
Date Prepared: N/A

Analysis Batch: 680-165027
Prep Batch: N/A
Units: ug/Kg

Instrument ID: MSM
Lab File ID: mq089.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Toluene	97	97	67 - 132	0	50		
trans-1,2-Dichloroethene	96	94	66 - 127	1	50		
trans-1,3-Dichloropropene	108	108	64 - 138	0	50		
1,1,1-Trichloroethane	93	89	56 - 140	4	50		
1,1,2-Trichloroethane	95	95	62 - 138	0	50		
Trichloroethene	90	88	68 - 133	2	50		
Trichlorofluoromethane	84	86	33 - 152	2	50		
1,2,3-Trichloropropane	102	101	65 - 132	0	50		
Vinyl acetate	115	112	10 - 254	2	50		
Vinyl chloride	100	102	56 - 139	2	50		
Xylenes, Total	84	87	76 - 122	3	50		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	96		97		65 - 124		
Dibromofluoromethane	88		88		65 - 124		
Toluene-d8 (Surr)	93		92		65 - 132		

US EPA ARCHIVE DOCUMENT

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	PROJECT NO.	PROJECT LOCATION (STATE) I L	CONTRACT NO.	CLIENT PHONE	CLIENT FAX	CLIENT E-MAIL	CLIENT NAME	CLIENT ADDRESS	SAMPLE IDENTIFICATION	MATRIX TYPE			REQUIRED ANALYSIS	PAGE	OF	
										COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID				NONAQUEOUS LIQUID (OIL SOLVENT, ...)
TAL (LAB) PROJECT MANAGER LIDYA GULLIZIA CLIENT (SITE) PM SEATT CRAWFORD CLIENT NAME Solutia, Inc CLIENT ADDRESS 575 Maryville Centre Dr COMPANY CONTRACTING THIS WORK (if applicable) SVE Pilot Test Saugert, IL	603-778-1100	IL	603-778-2121	603-778-1100	603-778-2121	stani@sewskic.com or stani@sewskic.com	Solutia, Inc	St Louis, MO 63141	5VE Pilot Test Saugert, IL	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	NONE	1	1	
DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
3-30-10	9:35	Kevin Halverson	3-30-10	17:45	Kevin Halverson	3-30-10	17:45	Kevin Halverson	3-30-10	17:45	Kevin Halverson	3-30-10	17:45	Kevin Halverson	3-30-10	17:45
3-30-10	10:15															
3-30-10	11:43															
3-30-10	12:26															
3-30-10	14:38															
3-30-10	15:20															
3-30-10																
3-30-10																

LABORATORY USE ONLY

SAVANNAH LOG NO. 680-56289

CUSTODY SEAL NO. 0919

CUSTODY INTACT YES 0 NO 0

LABORATORY REMARKS Temp 1.6

RECEIVED FOR LABORATORY BY: (SIGNATURE) Rutha Daugherty

DATE 3/31/10

RECEIVED BY: (SIGNATURE)

DATE 4/09/10

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

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

THE LEADER IN ENVIRONMENTAL TESTING

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE		PROJECT NO.	PROJECT LOCATION (STATE) IL	MATRIX TYPE	REQUIRED ANALYSIS	PAGE	OF	
TAL (LAB) PROJECT MANAGER <i>Lydia Gulizia</i>		P.O. NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE	PRESERVATIVE	STANDARD REPORT DELIVERY	1	
CLIENT (SITE) PM <i>Scott Crawford</i>		CLIENT PHONE 603-718-1100	CLIENT FAX 603-718-2121	AQUEOUS (WATER)		DATE DUE 2 wks		
CLIENT NAME <i>Solutia, Inc</i>		CLIENT E-MAIL scrawford@xdd-llc.com	STANISLEWSKI@XDD-LLC.COM	SOLID OR SEMISOLID		EXPEDITED REPORT DELIVERY (SURCHARGE)		
CLIENT ADDRESS 525 Maryville Centre Dr St Louis MO 63741		COMPANY CONTRACTING THIS WORK (if applicable) SVE Pilot Test Saugatet, IL		NONAQUEOUS LIQUID (OIL, SOLVENT, ...)		DATE DUE		
SAMPLE		SAMPLE IDENTIFICATION		AB		NUMBER OF COOLERS SUBMITTED PER SHIPMENT:		
DATE	TIME							
8-31-10	8:06	WQK-BIGMO-INT-178-6-6-58		X				
8-31-10	8:26	WQK-BIGMO-INT-38-7.5-88		X				
8-31-10	9:07	WQK-BIGMO-INT-168-7.5-88		X				
8-31-10	9:54	WQK-BIGMO-INT-68-7-7.58		X				
8-31-10	10:02	WQK-BIGMO-INT-68-7.5-88		X				
8-31-10	10:34	WQK-BIGMO-INT-48-7.5-88		X				
RELINQUISHED BY: (SIGNATURE) <i>Conie Johnson</i>		DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME		
RECEIVED BY: (SIGNATURE)		5-31-10	14:05					
RECEIVED FOR LABORATORY BY: <i>Betha Daugherty</i>		DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME		
		4-11-10	09:44					
LABORATORY USE ONLY				LABORATORY REMARKS				
SAVANNAH LOG NO. 680-		CUSTODY SEAL NO.		Temp 0.2				
56344								

Login Sample Receipt Check List

Client: Solutia Inc.

Job Number: 680-56289-1

SDG Number: KSX021

Login Number: 56289

List Source: TestAmerica Savannah

Creator: Daughtry, Beth

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.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.6 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.	False	Rec'd Trip Blank not listed on COC
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	
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.	N/A	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

Login Sample Receipt Check List

Client: Solutia Inc.

Job Number: 680-56289-1

SDG Number: KSX021

Login Number: 56344

List Source: TestAmerica Savannah

Creator: Daughtry, Beth

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.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.2 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.	False	Rec'd Trip Blank not listed on COC
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	
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.	N/A	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	