

US EPA ARCHIVE DOCUMENT

ANALYTICAL REPORT

Job Number: 680-44226-1

SDG Number: KSX03

Job Description: WGK Sauget Soil VOC

For:

Solutia Inc.

575 Maryville Centre Dr.

Saint Louis, MO 63141

Attention: Mr. Jerry Rinaldi



Approved for release.
Lidya Gulizia
Project Manager I
2/26/2009 4:32 PM

Lidya Gulizia

Project Manager I

lidya.gulizia@testamericainc.com

02/26/2009

cc: Erin Stanisewski

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TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404

Tel (912) 354-7858 Fax (912) 352-0165 www.testamericainc.com



Job Narrative
680-J44226-1 / SDG No. KSX03

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-BAS-016S-7-7.5-5 (680-44226-1)
WGK-BIGMO-BAS-05D-15.5-16.5 (680-44233-2),
WGK-BIGMO-BAS-06S-7.5-8.5 (680-44233-3)
WGK-BIGMO-BAS-07D-13.5-14.5 (680-44233-4)
WGK-BIGMO-BAS-08S-9.5-10-S (680-44288-2)
WGK-BIGMO-BAS-03S-10.5-11-S (680-44288-3)
WGK-BIGMO-BAS-03D-14.5-15-S (680-44288-4)
WGK-BIGMO-BAS-025-07-08-S (680-44288-5)
WGK-BIGMO-BAS-09S-11-11.5-S (680-44288-6)
WGK-BIGMO-BAS-02S-9.5-10-S (680-44288-7)
WGK-BIGMO-BAS-02D-14-14.5-S (680-44288-8)
WGK-BIGMO-BAS-10D-14.5-15-S (680-44288-9)
WGK-BIGMO-BAS-15D-14-14.5-S (680-44288-10)

Method(s) 8260B: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported:
WGK-BIGMO-BAS-20I-14.5-15-S (680-44330-3 MSD).

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Comments

No additional comments.

METHOD SUMMARY

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

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
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:

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: 680-44226-1

Sdg Number: KSX03

Method	Analyst	Analyst ID
SW846 8260B	Bearden, Robert	RB
SW846 8260B	LeSeane, Latika Rene	LL
SW846 8260B	Lui, Chung	CL
SW846 8260B	Sokolin, Eleina	ES
EPA PercentMoisture	Morgan, Harriet	HM

SAMPLE SUMMARY

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-44226-1	WGK-BIGMO-BAS-016S-7 -7.5-5	Solid	01/27/2009 1145	01/28/2009 0917
680-44226-2TB	WGK-BIGMO-BAS-TB2-T B	Water	01/27/2009 0000	01/28/2009 0917
680-44233-1TB	WGK-BIGMO-BAS-TB5-T B	Water	01/26/2009 0000	01/28/2009 0917
680-44233-2	WGK-BIGMO-BAS-05D-15 .5-16.5	Solid	01/26/2009 1450	01/28/2009 0917
680-44233-3	WGK-BIGMO-BAS-06S-7. 5-8.5	Solid	01/26/2009 1635	01/28/2009 0917
680-44233-4	WGK-BIGMO-BAS-07D-13 .5-14.5	Solid	01/26/2009 1652	01/28/2009 0917
680-44288-1TB	WGK-BIGMO-BAS-TB4-T B	Water	01/28/2009 0000	01/29/2009 0858
680-44288-2	WGK-BIGMO-BAS-08S-9. 5-10-S	Solid	01/28/2009 1035	01/29/2009 0858
680-44288-3	WGK-BIGMO-BAS-03S-10 .5-11-S	Solid	01/28/2009 1155	01/29/2009 0858
680-44288-4	WGK-BIGMO-BAS-03D-14 .5-15-S	Solid	01/28/2009 1205	01/29/2009 0858
680-44288-5	WGK-BIGMO-BAS-025-07 -08-S	Solid	01/28/2009 1200	01/29/2009 0858
680-44288-6	WGK-BIGMO-BAS-09S-11 -11.5-S	Solid	01/28/2009 1505	01/29/2009 0858
680-44288-7	WGK-BIGMO-BAS-02S-9. 5-10-S	Solid	01/28/2009 1430	01/29/2009 0858
680-44288-8	WGK-BIGMO-BAS-02D-14 -14.5-S	Solid	01/28/2009 1440	01/29/2009 0858
680-44288-9	WGK-BIGMO-BAS-10D-14 .5-15-S	Solid	01/28/2009 1635	01/29/2009 0858
680-44288-10	WGK-BIGMO-BAS-15D-14 -14.5-S	Solid	01/28/2009 1655	01/29/2009 0858

SAMPLE RESULTS

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-016S-7-7.5-5

Lab Sample ID: 680-44226-1

Date Sampled: 01/27/2009 1145

Client Matrix: Solid

% Moisture: 9.6

Date Received: 01/28/2009 0917

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129580

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129100

Lab File ID: I0068.d

Dilution: 20000

Initial Weight/Volume: 8.3 g

Date Analyzed: 02/09/2009 1404

Final Weight/Volume: 10 g

Date Prepared: 02/04/2009 0848

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		1300000	U	120000	1300000
Acetonitrile		5300000	U	1200000	5300000
Acrolein		2700000	U	510000	2700000
Acrylonitrile		2700000	U	610000	2700000
Benzene		1600000		21000	130000
Bromoform		130000	U	29000	130000
Bromomethane		130000	U	43000	130000
2-Butanone (MEK)		670000	U	72000	670000
Carbon disulfide		130000	U	32000	130000
Carbon tetrachloride		130000	U	27000	130000
Chlorobenzene		130000	U	19000	130000
2-Chloro-1,3-butadiene		130000	U	15000	130000
Chlorodibromomethane		130000	U	13000	130000
Chloroethane		130000	U	32000	130000
Chloroform		130000	U	13000	130000
Chloromethane		130000	U	19000	130000
3-Chloro-1-propene		130000	U	40000	130000
cis-1,3-Dichloropropene		130000	U	23000	130000
1,2-Dibromo-3-Chloropropane		270000	U	75000	270000
Dibromomethane		130000	U	32000	130000
1,2-Dichlorobenzene		130000	U	17000	130000
1,3-Dichlorobenzene		130000	U	22000	130000
1,4-Dichlorobenzene		130000	U	14000	130000
Dichlorobromomethane		130000	U	22000	130000
Dichlorodifluoromethane		130000	U	24000	130000
1,1-Dichloroethane		130000	U	13000	130000
1,2-Dichloroethane		130000	U	27000	130000
1,1-Dichloroethene		130000	U	14000	130000
1,2-Dichloropropane		130000	U	29000	130000
Ethylbenzene		130000	U	20000	130000
Ethylene Dibromide		130000	U	40000	130000
Ethyl methacrylate		130000	U	59000	130000
2-Hexanone		670000	U	56000	670000
Iodomethane		130000	U	27000	130000
Isobutyl alcohol		5300000	U	1800000	5300000
Methacrylonitrile		2700000	U	640000	2700000
Methylene Chloride		130000	U	27000	130000
Methyl methacrylate		130000	U	99000	130000
4-Methyl-2-pentanone (MIBK)		670000	U	77000	670000
Pentachloroethane		670000	U	59000	670000
Propionitrile		2700000	U	560000	2700000
Styrene		130000	U	18000	130000
1,1,1,2-Tetrachloroethane		130000	U	17000	130000
1,1,2,2-Tetrachloroethane		130000	U	37000	130000

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KXSX03

Client Sample ID: WGK-BIGMO-BAS-016S-7-7.5-5

Lab Sample ID: 680-44226-1

Date Sampled: 01/27/2009 1145

Client Matrix: Solid

% Moisture: 9.6

Date Received: 01/28/2009 0917

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129580

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129100

Lab File ID: I0068.d

Dilution: 20000

Initial Weight/Volume: 8.3 g

Date Analyzed: 02/09/2009 1404

Final Weight/Volume: 10 g

Date Prepared: 02/04/2009 0848

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Tetrachloroethene		130000	U	19000	130000
Toluene		130000	U	21000	130000
trans-1,4-Dichloro-2-butene		270000	U	83000	270000
trans-1,2-Dichloroethene		130000	U	26000	130000
trans-1,3-Dichloropropene		130000	U	23000	130000
1,1,1-Trichloroethane		130000	U	15000	130000
1,1,2-Trichloroethane		130000	U	32000	130000
Trichloroethene		130000	U	27000	130000
Trichlorofluoromethane		130000	U	40000	130000
1,2,3-Trichloropropane		130000	U	37000	130000
Vinyl acetate		270000	U	40000	270000
Vinyl chloride		130000	U	15000	130000
Xylenes, Total		270000	U	61000	270000

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

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-TB2-TB

Lab Sample ID: 680-44226-2TB

Date Sampled: 01/27/2009 0000

Client Matrix: Water

Date Received: 01/28/2009 0917

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-128954	Instrument ID:	GC/MS Volatiles - P C2
Preparation:	5030B		Lab File ID:	p0096.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	02/02/2009 1404		Final Weight/Volume:	5 mL
Date Prepared:	02/02/2009 1404			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	25	U	5.0	25
Acetonitrile	40	U	15	40
Acrolein	20	U	18	20
Acrylonitrile	20	U	3.8	20
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
2-Butanone	10	U	0.60	10
Carbon disulfide	2.0	U	0.60	2.0
Carbon tetrachloride	1.0	U	0.27	1.0
Chlorobenzene	1.0	U	0.34	1.0
Chloroprene	1.0	U	0.35	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
3-Chloro-1-propene	1.0	U	0.46	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
Dibromomethane	1.0	U	0.29	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
trans-1,4-Dichloro-2-butene	2.0	U	0.83	2.0
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
trans-1,2-Dichloroethene	1.0	U	0.30	1.0
1,1-Dichloroethene	1.0	U	0.36	1.0
1,2-Dichloropropane	1.0	U	0.36	1.0
cis-1,3-Dichloropropene	1.0	U	0.37	1.0
trans-1,3-Dichloropropene	1.0	U	0.27	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethyl methacrylate	1.0	U	1.0	1.0
2-Hexanone	10	U	0.68	10
Iodomethane	5.0	U	1.0	5.0
Isobutanol	40	U	19	40
Methacrylonitrile	20	U	6.6	20
Methylene Chloride	5.0	U	1.0	5.0
Methyl methacrylate	1.0	U	0.38	1.0
4-Methyl-2-pentanone	10	U	0.60	10
Pentachloroethane	5.0	U	1.3	5.0
Propionitrile	20	U	9.2	20

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-TB2-TB

Lab Sample ID: 680-44226-2TB

Date Sampled: 01/27/2009 0000

Client Matrix: Water

Date Received: 01/28/2009 0917

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-128954

Instrument ID: GC/MS Volatiles - P C2

Preparation: 5030B

Lab File ID: p0096.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 02/02/2009 1404

Final Weight/Volume: 5 mL

Date Prepared: 02/02/2009 1404

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	1.0	U	0.36	1.0
1,1,1,2-Tetrachloroethane	1.0	U	0.29	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
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
1,2,3-Trichloropropane	1.0	U	0.42	1.0
Vinyl acetate	2.0	U	0.62	2.0
Vinyl chloride	1.0	U	0.20	1.0
Xylenes, Total	2.0	U	0.87	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	93	75 - 120
Dibromofluoromethane	97	75 - 121
Toluene-d8 (Surr)	101	75 - 120

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-TB5-TB

Lab Sample ID: 680-44233-1TB

Date Sampled: 01/26/2009 0000

Client Matrix: Water

Date Received: 01/28/2009 0917

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129406

Instrument ID: GC/MS Volatiles - O C2

Preparation: 5030B

Lab File ID: o7535.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 02/04/2009 1737

Final Weight/Volume: 5 mL

Date Prepared: 02/04/2009 1737

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	25	U	5.0	25
Acetonitrile	40	U	15	40
Acrolein	20	U	18	20
Acrylonitrile	20	U	3.8	20
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
2-Butanone	10	U	0.60	10
Carbon disulfide	2.0	U	0.60	2.0
Carbon tetrachloride	1.0	U	0.27	1.0
Chlorobenzene	1.0	U	0.34	1.0
Chloroprene	1.0	U	0.35	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
3-Chloro-1-propene	1.0	U	0.46	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
Dibromomethane	1.0	U	0.29	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
trans-1,4-Dichloro-2-butene	2.0	U	0.83	2.0
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
trans-1,2-Dichloroethene	1.0	U	0.30	1.0
1,1-Dichloroethene	1.0	U	0.36	1.0
1,2-Dichloropropane	1.0	U	0.36	1.0
cis-1,3-Dichloropropene	1.0	U	0.37	1.0
trans-1,3-Dichloropropene	1.0	U	0.27	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethyl methacrylate	1.0	U	1.0	1.0
2-Hexanone	10	U	0.68	10
Iodomethane	5.0	U	1.0	5.0
Isobutanol	40	U	19	40
Methacrylonitrile	20	U	6.6	20
Methylene Chloride	5.0	U	1.0	5.0
Methyl methacrylate	1.0	U	0.38	1.0
4-Methyl-2-pentanone	10	U	0.60	10
Pentachloroethane	5.0	U	1.3	5.0
Propionitrile	20	U	9.2	20

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: **WGK-BIGMO-BAS-TB5-TB**

Lab Sample ID: 680-44233-1TB

Date Sampled: 01/26/2009 0000

Client Matrix: Water

Date Received: 01/28/2009 0917

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129406

Instrument ID: GC/MS Volatiles - O C2

Preparation: 5030B

Lab File ID: o7535.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 02/04/2009 1737

Final Weight/Volume: 5 mL

Date Prepared: 02/04/2009 1737

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	1.0	U	0.36	1.0
1,1,1,2-Tetrachloroethane	1.0	U	0.29	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
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
1,2,3-Trichloropropane	1.0	U	0.42	1.0
Vinyl acetate	2.0	U	0.62	2.0
Vinyl chloride	1.0	U	0.20	1.0
Xylenes, Total	2.0	U	0.87	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	90	75 - 120
Dibromofluoromethane	111	75 - 121
Toluene-d8 (Surr)	104	75 - 120

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-05D-15.5-16.5

Lab Sample ID: 680-44233-2

Date Sampled: 01/26/2009 1450

Client Matrix: Solid

% Moisture: 15.2

Date Received: 01/28/2009 0917

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129580

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129180

Lab File ID: I0069.d

Dilution: 5000

Initial Weight/Volume: 8.3 g

Date Analyzed: 02/09/2009 1425

Final Weight/Volume: 10 g

Date Prepared: 02/04/2009 1359

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		360000	U	31000	360000
Acetonitrile		1400000	U	320000	1400000
Carbon disulfide		36000	U	8500	36000
Acrolein		710000	U	130000	710000
Acrylonitrile		710000	U	160000	710000
Benzene		520000		5600	36000
Dichlorobromomethane		36000	U	5900	36000
Bromoform		36000	U	7800	36000
Bromomethane		36000	U	11000	36000
2-Butanone (MEK)		180000	U	19000	180000
Carbon tetrachloride		36000	U	7100	36000
Chlorobenzene		36000	U	5200	36000
Chloroethane		36000	U	8500	36000
Chloroform		36000	U	3600	36000
Chloromethane		36000	U	5000	36000
2-Chloro-1,3-butadiene		36000	U	4000	36000
3-Chloro-1-propene		36000	U	11000	36000
Chlorodibromomethane		36000	U	3600	36000
1,2-Dibromo-3-Chloropropane		71000	U	20000	71000
Ethylene Dibromide		36000	U	11000	36000
Dibromomethane		36000	U	8500	36000
trans-1,4-Dichloro-2-butene		71000	U	22000	71000
Dichlorodifluoromethane		36000	U	6300	36000
1,1-Dichloroethane		36000	U	3600	36000
1,2-Dichloroethane		36000	U	7100	36000
1,1-Dichloroethene		36000	U	3800	36000
1,2-Dichlorobenzene		36000	U	4600	36000
trans-1,2-Dichloroethene		36000	U	6900	36000
1,2-Dichloropropane		36000	U	7800	36000
1,3-Dichlorobenzene		36000	U	5900	36000
1,4-Dichlorobenzene		36000	U	3600	36000
cis-1,3-Dichloropropene		36000	U	6200	36000
trans-1,3-Dichloropropene		36000	U	6200	36000
Ethylbenzene		36000	U	5300	36000
Ethyl methacrylate		36000	U	16000	36000
2-Hexanone		180000	U	15000	180000
Iodomethane		36000	U	7100	36000
Isobutyl alcohol		1400000	U	490000	1400000
Methacrylonitrile		710000	U	170000	710000
Methylene Chloride		36000	U	7100	36000
Methyl methacrylate		36000	U	26000	36000
4-Methyl-2-pentanone (MIBK)		180000	U	21000	180000
Pentachloroethane		180000	U	16000	180000
Propionitrile		710000	U	150000	710000

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-05D-15.5-16.5

Lab Sample ID: 680-44233-2

Date Sampled: 01/26/2009 1450

Client Matrix: Solid

% Moisture: 15.2

Date Received: 01/28/2009 0917

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129580

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129180

Lab File ID: I0069.d

Dilution: 5000

Initial Weight/Volume: 8.3 g

Date Analyzed: 02/09/2009 1425

Final Weight/Volume: 10 g

Date Prepared: 02/04/2009 1359

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Styrene		36000	U	4700	36000
1,1,1,2-Tetrachloroethane		36000	U	4500	36000
1,1,2,2-Tetrachloroethane		36000	U	9900	36000
Tetrachloroethene		36000	U	5200	36000
Toluene		36000	U	5600	36000
1,1,1-Trichloroethane		36000	U	4100	36000
1,1,2-Trichloroethane		36000	U	8500	36000
Trichloroethene		36000	U	7100	36000
Trichlorofluoromethane		36000	U	11000	36000
1,2,3-Trichloropropane		36000	U	9900	36000
Vinyl acetate		71000	U	11000	71000
Vinyl chloride		36000	U	4100	36000
Xylenes, Total		71000	U	16000	71000

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

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-06S-7.5-8.5

Lab Sample ID: 680-44233-3

Date Sampled: 01/26/2009 1635

Client Matrix: Solid

% Moisture: 22.8

Date Received: 01/28/2009 0917

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129580

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129180

Lab File ID: I0070.d

Dilution: 20000

Initial Weight/Volume: 8.0 g

Date Analyzed: 02/09/2009 1446

Final Weight/Volume: 10 g

Date Prepared: 02/04/2009 1359

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		1600000	U	140000	1600000
Acetonitrile		6500000	U	1500000	6500000
Carbon disulfide		160000	U	39000	160000
Acrolein		3200000	U	610000	3200000
Acrylonitrile		3200000	U	740000	3200000
Benzene		970000		26000	160000
Dichlorobromomethane		160000	U	27000	160000
Bromoform		160000	U	36000	160000
Bromomethane		160000	U	52000	160000
2-Butanone (MEK)		810000	U	87000	810000
Carbon tetrachloride		160000	U	32000	160000
Chlorobenzene		160000	U	24000	160000
Chloroethane		160000	U	39000	160000
Chloroform		160000	U	16000	160000
Chloromethane		160000	U	23000	160000
2-Chloro-1,3-butadiene		160000	U	18000	160000
3-Chloro-1-propene		160000	U	49000	160000
Chlorodibromomethane		160000	U	16000	160000
1,2-Dibromo-3-Chloropropane		320000	U	91000	320000
Ethylene Dibromide		160000	U	49000	160000
Dibromomethane		160000	U	39000	160000
trans-1,4-Dichloro-2-butene		320000	U	100000	320000
Dichlorodifluoromethane		160000	U	29000	160000
1,1-Dichloroethane		160000	U	16000	160000
1,2-Dichloroethane		160000	U	32000	160000
1,1-Dichloroethene		160000	U	17000	160000
1,2-Dichlorobenzene		160000	U	21000	160000
trans-1,2-Dichloroethene		160000	U	31000	160000
1,2-Dichloropropane		160000	U	36000	160000
1,3-Dichlorobenzene		160000	U	27000	160000
1,4-Dichlorobenzene		160000	U	17000	160000
cis-1,3-Dichloropropene		160000	U	28000	160000
trans-1,3-Dichloropropene		160000	U	28000	160000
Ethylbenzene		160000	U	24000	160000
Ethyl methacrylate		160000	U	71000	160000
2-Hexanone		810000	U	68000	810000
Iodomethane		160000	U	32000	160000
Isobutyl alcohol		6500000	U	2200000	6500000
Methacrylonitrile		3200000	U	780000	3200000
Methylene Chloride		160000	U	32000	160000
Methyl methacrylate		160000	U	120000	160000
4-Methyl-2-pentanone (MIBK)		810000	U	94000	810000
Pentachloroethane		810000	U	71000	810000
Propionitrile		3200000	U	680000	3200000

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: **WGK-BIGMO-BAS-06S-7.5-8.5**

Lab Sample ID: 680-44233-3

Date Sampled: 01/26/2009 1635

Client Matrix: Solid

% Moisture: 22.8

Date Received: 01/28/2009 0917

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129580

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129180

Lab File ID: I0070.d

Dilution: 20000

Initial Weight/Volume: 8.0 g

Date Analyzed: 02/09/2009 1446

Final Weight/Volume: 10 g

Date Prepared: 02/04/2009 1359

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Styrene		160000	U	21000	160000
1,1,1,2-Tetrachloroethane		160000	U	21000	160000
1,1,2,2-Tetrachloroethane		160000	U	45000	160000
Tetrachloroethene		160000	U	24000	160000
Toluene		160000	U	26000	160000
1,1,1-Trichloroethane		160000	U	19000	160000
1,1,2-Trichloroethane		160000	U	39000	160000
Trichloroethene		160000	U	32000	160000
Trichlorofluoromethane		160000	U	49000	160000
1,2,3-Trichloropropane		160000	U	45000	160000
Vinyl acetate		320000	U	49000	320000
Vinyl chloride		160000	U	19000	160000
Xylenes, Total		320000	U	74000	320000

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

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-07D-13.5-14.5

Lab Sample ID: 680-44233-4

Date Sampled: 01/26/2009 1652

Client Matrix: Solid

% Moisture: 18.5

Date Received: 01/28/2009 0917

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129580

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129180

Lab File ID: I0071.d

Dilution: 20000

Initial Weight/Volume: 3.6 g

Date Analyzed: 02/09/2009 1508

Final Weight/Volume: 10 g

Date Prepared: 02/04/2009 1359

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		3400000	U	300000	3400000
Acetonitrile		14000000	U	3100000	14000000
Carbon disulfide		340000	U	82000	340000
Acrolein		6800000	U	1300000	6800000
Acrylonitrile		6800000	U	1600000	6800000
Benzene		2100000		54000	340000
Dichlorobromomethane		340000	U	57000	340000
Bromoform		340000	U	75000	340000
Bromomethane		340000	U	110000	340000
2-Butanone (MEK)		1700000	U	180000	1700000
Carbon tetrachloride		340000	U	68000	340000
Chlorobenzene		340000	U	50000	340000
Chloroethane		340000	U	82000	340000
Chloroform		340000	U	34000	340000
Chloromethane		340000	U	48000	340000
2-Chloro-1,3-butadiene		340000	U	39000	340000
3-Chloro-1-propene		340000	U	100000	340000
Chlorodibromomethane		340000	U	34000	340000
1,2-Dibromo-3-Chloropropane		680000	U	190000	680000
Ethylene Dibromide		340000	U	100000	340000
Dibromomethane		340000	U	82000	340000
trans-1,4-Dichloro-2-butene		680000	U	210000	680000
Dichlorodifluoromethane		340000	U	61000	340000
1,1-Dichloroethane		340000	U	34000	340000
1,2-Dichloroethane		340000	U	68000	340000
1,1-Dichloroethene		340000	U	37000	340000
1,2-Dichlorobenzene		340000	U	44000	340000
trans-1,2-Dichloroethene		340000	U	66000	340000
1,2-Dichloropropane		340000	U	75000	340000
1,3-Dichlorobenzene		340000	U	57000	340000
1,4-Dichlorobenzene		340000	U	35000	340000
cis-1,3-Dichloropropene		340000	U	59000	340000
trans-1,3-Dichloropropene		340000	U	59000	340000
Ethylbenzene		340000	U	51000	340000
Ethyl methacrylate		340000	U	150000	340000
2-Hexanone		1700000	U	140000	1700000
Iodomethane		340000	U	68000	340000
Isobutyl alcohol		14000000	U	4700000	14000000
Methacrylonitrile		6800000	U	1600000	6800000
Methylene Chloride		340000	U	68000	340000
Methyl methacrylate		340000	U	250000	340000
4-Methyl-2-pentanone (MIBK)		1700000	U	200000	1700000
Pentachloroethane		1700000	U	150000	1700000
Propionitrile		6800000	U	1400000	6800000

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KXS03

Client Sample ID: WGK-BIGMO-BAS-07D-13.5-14.5

Lab Sample ID: 680-44233-4

Date Sampled: 01/26/2009 1652

Client Matrix: Solid

% Moisture: 18.5

Date Received: 01/28/2009 0917

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129580

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129180

Lab File ID: I0071.d

Dilution: 20000

Initial Weight/Volume: 3.6 g

Date Analyzed: 02/09/2009 1508

Final Weight/Volume: 10 g

Date Prepared: 02/04/2009 1359

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Styrene		340000	U	45000	340000
1,1,1,2-Tetrachloroethane		340000	U	44000	340000
1,1,2,2-Tetrachloroethane		340000	U	95000	340000
Tetrachloroethene		340000	U	50000	340000
Toluene		340000	U	54000	340000
1,1,1-Trichloroethane		340000	U	40000	340000
1,1,2-Trichloroethane		340000	U	82000	340000
Trichloroethene		340000	U	68000	340000
Trichlorofluoromethane		340000	U	100000	340000
1,2,3-Trichloropropane		340000	U	95000	340000
Vinyl acetate		680000	U	100000	680000
Vinyl chloride		340000	U	40000	340000
Xylenes, Total		680000	U	160000	680000

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

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-TB4-TB

Lab Sample ID: 680-44288-1TB

Date Sampled: 01/28/2009 0000

Client Matrix: Water

Date Received: 01/29/2009 0858

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-128954

Instrument ID: GC/MS Volatiles - P C2

Preparation: 5030B

Lab File ID: p0098.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 02/02/2009 1500

Final Weight/Volume: 5 mL

Date Prepared: 02/02/2009 1500

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	25	U	5.0	25
Acetonitrile	40	U	15	40
Acrolein	20	U	18	20
Acrylonitrile	20	U	3.8	20
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
2-Butanone	10	U	0.60	10
Carbon disulfide	2.0	U	0.60	2.0
Carbon tetrachloride	1.0	U	0.27	1.0
Chlorobenzene	1.0	U	0.34	1.0
Chloroprene	1.0	U	0.35	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
3-Chloro-1-propene	1.0	U	0.46	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
Dibromomethane	1.0	U	0.29	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
trans-1,4-Dichloro-2-butene	2.0	U	0.83	2.0
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
trans-1,2-Dichloroethene	1.0	U	0.30	1.0
1,1-Dichloroethene	1.0	U	0.36	1.0
1,2-Dichloropropane	1.0	U	0.36	1.0
cis-1,3-Dichloropropene	1.0	U	0.37	1.0
trans-1,3-Dichloropropene	1.0	U	0.27	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethyl methacrylate	1.0	U	1.0	1.0
2-Hexanone	10	U	0.68	10
Iodomethane	5.0	U	1.0	5.0
Isobutanol	40	U	19	40
Methacrylonitrile	20	U	6.6	20
Methylene Chloride	5.0	U	1.0	5.0
Methyl methacrylate	1.0	U	0.38	1.0
4-Methyl-2-pentanone	10	U	0.60	10
Pentachloroethane	5.0	U	1.3	5.0
Propionitrile	20	U	9.2	20

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KXSX03

Client Sample ID: WGK-BIGMO-BAS-TB4-TB

Lab Sample ID: 680-44288-1TB

Date Sampled: 01/28/2009 0000

Client Matrix: Water

Date Received: 01/29/2009 0858

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-128954

Instrument ID: GC/MS Volatiles - P C2

Preparation: 5030B

Lab File ID: p0098.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 02/02/2009 1500

Final Weight/Volume: 5 mL

Date Prepared: 02/02/2009 1500

Analyte	Result (ug/L)	Qualifier	MDL	RL
Styrene	1.0	U	0.36	1.0
1,1,1,2-Tetrachloroethane	1.0	U	0.29	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
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
1,2,3-Trichloropropane	1.0	U	0.42	1.0
Vinyl acetate	2.0	U	0.62	2.0
Vinyl chloride	1.0	U	0.20	1.0
Xylenes, Total	2.0	U	0.87	2.0

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	94	75 - 120
Dibromofluoromethane	99	75 - 121
Toluene-d8 (Surr)	104	75 - 120

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-08S-9.5-10-S

Lab Sample ID: 680-44288-2

Date Sampled: 01/28/2009 1035

Client Matrix: Solid

% Moisture: 32.6

Date Received: 01/29/2009 0858

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-128724

Lab File ID: I0088.d

Dilution: 50000

Initial Weight/Volume: 9.8 g

Date Analyzed: 02/10/2009 1302

Final Weight/Volume: 10 g

Date Prepared: 01/29/2009 1532

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		3800000	U	330000	3800000
Acetonitrile		15000000	U	3400000	15000000
Carbon disulfide		380000	U	91000	380000
Acrolein		7600000	U	1400000	7600000
Acrylonitrile		7600000	U	1700000	7600000
Benzene		11000000		60000	380000
Dichlorobromomethane		380000	U	63000	380000
Bromoform		380000	U	83000	380000
Bromomethane		380000	U	120000	380000
2-Butanone (MEK)		1900000	U	200000	1900000
Carbon tetrachloride		380000	U	76000	380000
Chlorobenzene		380000	U	55000	380000
Chloroethane		380000	U	91000	380000
Chloroform		380000	U	38000	380000
Chloromethane		380000	U	54000	380000
2-Chloro-1,3-butadiene		380000	U	43000	380000
3-Chloro-1-propene		380000	U	110000	380000
Chlorodibromomethane		380000	U	38000	380000
1,2-Dibromo-3-Chloropropane		760000	U	210000	760000
Ethylene Dibromide		380000	U	110000	380000
Dibromomethane		380000	U	91000	380000
trans-1,4-Dichloro-2-butene		760000	U	230000	760000
Dichlorodifluoromethane		380000	U	67000	380000
1,1-Dichloroethane		380000	U	38000	380000
1,2-Dichloroethane		380000	U	76000	380000
1,1-Dichloroethene		380000	U	41000	380000
1,2-Dichlorobenzene		380000	U	49000	380000
trans-1,2-Dichloroethene		380000	U	73000	380000
1,2-Dichloropropane		380000	U	83000	380000
1,3-Dichlorobenzene		380000	U	63000	380000
1,4-Dichlorobenzene		380000	U	39000	380000
cis-1,3-Dichloropropene		380000	U	66000	380000
trans-1,3-Dichloropropene		380000	U	66000	380000
Ethylbenzene		380000	U	57000	380000
Ethyl methacrylate		380000	U	170000	380000
2-Hexanone		1900000	U	160000	1900000
Iodomethane		380000	U	76000	380000
Isobutyl alcohol		15000000	U	5200000	15000000
Methacrylonitrile		7600000	U	1800000	7600000
Methylene Chloride		380000	U	76000	380000
Methyl methacrylate		380000	U	280000	380000
4-Methyl-2-pentanone (MIBK)		1900000	U	220000	1900000
Pentachloroethane		1900000	U	170000	1900000
Propionitrile		7600000	U	1600000	7600000

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-08S-9.5-10-S

Lab Sample ID: 680-44288-2

Date Sampled: 01/28/2009 1035

Client Matrix: Solid

% Moisture: 32.6

Date Received: 01/29/2009 0858

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-128724

Lab File ID: I0088.d

Dilution: 50000

Initial Weight/Volume: 9.8 g

Date Analyzed: 02/10/2009 1302

Final Weight/Volume: 10 g

Date Prepared: 01/29/2009 1532

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Styrene		380000	U	50000	380000
1,1,1,2-Tetrachloroethane		380000	U	48000	380000
1,1,2,2-Tetrachloroethane		380000	U	110000	380000
Tetrachloroethene		380000	U	55000	380000
Toluene		380000	U	60000	380000
1,1,1-Trichloroethane		380000	U	44000	380000
1,1,2-Trichloroethane		380000	U	91000	380000
Trichloroethene		380000	U	76000	380000
Trichlorofluoromethane		380000	U	110000	380000
1,2,3-Trichloropropane		380000	U	110000	380000
Vinyl acetate		760000	U	110000	760000
Vinyl chloride		380000	U	44000	380000
Xylenes, Total		760000	U	170000	760000

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

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-03S-10.5-11-S

Lab Sample ID: 680-44288-3

Date Sampled: 01/28/2009 1155

Client Matrix: Solid

% Moisture: 34.5

Date Received: 01/29/2009 0858

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129583

Instrument ID: GC/MS Volatiles - M

Preparation: 5035

Prep Batch: 680-128724

Lab File ID: m0035.d

Dilution: 20000

Initial Weight/Volume: 7.4 g

Date Analyzed: 02/09/2009 2019

Final Weight/Volume: 10 g

Date Prepared: 01/29/2009 1532

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		2100000	U	180000	2100000
Acetonitrile		8300000	U	1900000	8300000
Carbon disulfide		210000	U	50000	210000
Acrolein		4100000	U	780000	4100000
Acrylonitrile		4100000	U	950000	4100000
Benzene		4900000		33000	210000
Dichlorobromomethane		210000	U	34000	210000
Bromoform		210000	U	45000	210000
Bromomethane		210000	U	66000	210000
2-Butanone (MEK)		1000000	U	110000	1000000
Carbon tetrachloride		210000	U	41000	210000
Chlorobenzene		210000	U	30000	210000
Chloroethane		210000	U	50000	210000
Chloroform		210000	U	21000	210000
Chloromethane		210000	U	29000	210000
2-Chloro-1,3-butadiene		210000	U	24000	210000
3-Chloro-1-propene		210000	U	62000	210000
Chlorodibromomethane		210000	U	21000	210000
1,2-Dibromo-3-Chloropropane		410000	U	120000	410000
Ethylene Dibromide		210000	U	62000	210000
Dibromomethane		210000	U	50000	210000
trans-1,4-Dichloro-2-butene		410000	U	130000	410000
Dichlorodifluoromethane		210000	U	37000	210000
1,1-Dichloroethane		210000	U *	21000	210000
1,2-Dichloroethane		210000	U	41000	210000
1,1-Dichloroethene		210000	U	22000	210000
1,2-Dichlorobenzene		210000	U	27000	210000
trans-1,2-Dichloroethene		210000	U	40000	210000
1,2-Dichloropropane		210000	U	45000	210000
1,3-Dichlorobenzene		210000	U	34000	210000
1,4-Dichlorobenzene		82000	J	21000	210000
cis-1,3-Dichloropropene		210000	U	36000	210000
trans-1,3-Dichloropropene		210000	U	36000	210000
Ethylbenzene		210000	U	31000	210000
Ethyl methacrylate		210000	U	91000	210000
2-Hexanone		1000000	U	87000	1000000
Iodomethane		210000	U	41000	210000
Isobutyl alcohol		8300000	U	2800000	8300000
Methacrylonitrile		4100000	U	990000	4100000
Methylene Chloride		210000	U	41000	210000
Methyl methacrylate		210000	U	150000	210000
4-Methyl-2-pentanone (MIBK)		1000000	U	120000	1000000
Pentachloroethane		1000000	U	91000	1000000
Propionitrile		4100000	U	870000	4100000

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KXSX03

Client Sample ID: WGK-BIGMO-BAS-03S-10.5-11-S

Lab Sample ID: 680-44288-3

Date Sampled: 01/28/2009 1155

Client Matrix: Solid

% Moisture: 34.5

Date Received: 01/29/2009 0858

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129583

Instrument ID: GC/MS Volatiles - M

Preparation: 5035

Prep Batch: 680-128724

Lab File ID: m0035.d

Dilution: 20000

Initial Weight/Volume: 7.4 g

Date Analyzed: 02/09/2009 2019

Final Weight/Volume: 10 g

Date Prepared: 01/29/2009 1532

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Styrene		210000	U	27000	210000
1,1,1,2-Tetrachloroethane		210000	U	26000	210000
1,1,2,2-Tetrachloroethane		210000	U	58000	210000
Tetrachloroethene		210000	U	30000	210000
Toluene		210000	U	33000	210000
1,1,1-Trichloroethane		210000	U	24000	210000
1,1,2-Trichloroethane		210000	U	50000	210000
Trichloroethene		210000	U	41000	210000
Trichlorofluoromethane		210000	U *	62000	210000
1,2,3-Trichloropropane		210000	U	58000	210000
Vinyl acetate		410000	U	62000	410000
Vinyl chloride		210000	U	24000	210000
Xylenes, Total		410000	U	95000	410000

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

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-03D-14.5-15-S

Lab Sample ID: 680-44288-4

Date Sampled: 01/28/2009 1205

Client Matrix: Solid

% Moisture: 23.7

Date Received: 01/29/2009 0858

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129583

Instrument ID: GC/MS Volatiles - M

Preparation: 5035

Prep Batch: 680-128724

Lab File ID: m0036.d

Dilution: 50000

Initial Weight/Volume: 7.0 g

Date Analyzed: 02/09/2009 2042

Final Weight/Volume: 10 g

Date Prepared: 01/29/2009 1532

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		4700000	U	410000	4700000
Acetonitrile		19000000	U	4200000	19000000
Carbon disulfide		470000	U	110000	470000
Acrolein		9400000	U	1800000	9400000
Acrylonitrile		9400000	U	2200000	9400000
Benzene		10000000		74000	470000
Dichlorobromomethane		470000	U	78000	470000
Bromoform		470000	U	100000	470000
Bromomethane		470000	U	150000	470000
2-Butanone (MEK)		2300000	U	250000	2300000
Carbon tetrachloride		470000	U	94000	470000
Chlorobenzene		470000	U	68000	470000
Chloroethane		470000	U	110000	470000
Chloroform		470000	U	47000	470000
Chloromethane		470000	U	66000	470000
2-Chloro-1,3-butadiene		470000	U	53000	470000
3-Chloro-1-propene		470000	U	140000	470000
Chlorodibromomethane		470000	U	47000	470000
1,2-Dibromo-3-Chloropropane		940000	U	260000	940000
Ethylene Dibromide		470000	U	140000	470000
Dibromomethane		470000	U	110000	470000
trans-1,4-Dichloro-2-butene		940000	U	290000	940000
Dichlorodifluoromethane		470000	U	83000	470000
1,1-Dichloroethane		470000	U *	47000	470000
1,2-Dichloroethane		470000	U	94000	470000
1,1-Dichloroethene		470000	U	51000	470000
1,2-Dichlorobenzene		470000	U	61000	470000
trans-1,2-Dichloroethene		470000	U	91000	470000
1,2-Dichloropropane		470000	U	100000	470000
1,3-Dichlorobenzene		470000	U	78000	470000
1,4-Dichlorobenzene		470000	U	48000	470000
cis-1,3-Dichloropropene		470000	U	81000	470000
trans-1,3-Dichloropropene		470000	U	81000	470000
Ethylbenzene		470000	U	70000	470000
Ethyl methacrylate		470000	U	210000	470000
2-Hexanone		2300000	U	200000	2300000
Iodomethane		470000	U	94000	470000
Isobutyl alcohol		19000000	U	6500000	19000000
Methacrylonitrile		9400000	U	2200000	9400000
Methylene Chloride		470000	U	94000	470000
Methyl methacrylate		470000	U	350000	470000
4-Methyl-2-pentanone (MIBK)		2300000	U	270000	2300000
Pentachloroethane		2300000	U	210000	2300000
Propionitrile		9400000	U	2000000	9400000

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-03D-14.5-15-S

Lab Sample ID: 680-44288-4

Date Sampled: 01/28/2009 1205

Client Matrix: Solid

% Moisture: 23.7

Date Received: 01/29/2009 0858

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129583

Instrument ID: GC/MS Volatiles - M

Preparation: 5035

Prep Batch: 680-128724

Lab File ID: m0036.d

Dilution: 50000

Initial Weight/Volume: 7.0 g

Date Analyzed: 02/09/2009 2042

Final Weight/Volume: 10 g

Date Prepared: 01/29/2009 1532

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Styrene		470000	U	62000	470000
1,1,1,2-Tetrachloroethane		470000	U	60000	470000
1,1,2,2-Tetrachloroethane		470000	U	130000	470000
Tetrachloroethene		470000	U	68000	470000
Toluene		470000	U	74000	470000
1,1,1-Trichloroethane		470000	U	54000	470000
1,1,2-Trichloroethane		470000	U	110000	470000
Trichloroethene		470000	U	94000	470000
Trichlorofluoromethane		470000	U *	140000	470000
1,2,3-Trichloropropane		470000	U	130000	470000
Vinyl acetate		940000	U	140000	940000
Vinyl chloride		470000	U	54000	470000
Xylenes, Total		940000	U	220000	940000

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

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-025-07-08-S

Lab Sample ID: 680-44288-5

Date Sampled: 01/28/2009 1200

Client Matrix: Solid

% Moisture: 26.2

Date Received: 01/29/2009 0858

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch:	680-129740	Instrument ID:	GC/MS Volatiles - L
Preparation:	5035	Prep Batch:	680-128724	Lab File ID:	I0090.d
Dilution:	500000			Initial Weight/Volume:	6.4 g
Date Analyzed:	02/10/2009 1345			Final Weight/Volume:	10 g
Date Prepared:	01/29/2009 1532				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		53000000	U	4700000	53000000
Acetonitrile		210000000	U	48000000	210000000
Carbon disulfide		5300000	U	1300000	5300000
Acrolein		110000000	U	20000000	110000000
Acrylonitrile		110000000	U	24000000	110000000
Benzene		38000000		840000	5300000
Dichlorobromomethane		5300000	U	880000	5300000
Bromoform		5300000	U	1200000	5300000
Bromomethane		5300000	U	1700000	5300000
2-Butanone (MEK)		26000000	U	2900000	26000000
Carbon tetrachloride		5300000	U	1100000	5300000
Chlorobenzene		5300000	U	770000	5300000
Chloroethane		5300000	U	1300000	5300000
Chloroform		5300000	U	530000	5300000
Chloromethane		5300000	U	750000	5300000
2-Chloro-1,3-butadiene		5300000	U	600000	5300000
3-Chloro-1-propene		5300000	U	1600000	5300000
Chlorodibromomethane		5300000	U	530000	5300000
1,2-Dibromo-3-Chloropropane		11000000	U	3000000	11000000
Ethylene Dibromide		5300000	U	1600000	5300000
Dibromomethane		5300000	U	1300000	5300000
trans-1,4-Dichloro-2-butene		11000000	U	3300000	11000000
Dichlorodifluoromethane		5300000	U	940000	5300000
1,1-Dichloroethane		5300000	U	530000	5300000
1,2-Dichloroethane		5300000	U	1100000	5300000
1,1-Dichloroethene		5300000	U	570000	5300000
1,2-Dichlorobenzene		5300000	U	690000	5300000
trans-1,2-Dichloroethene		5300000	U	1000000	5300000
1,2-Dichloropropane		5300000	U	1200000	5300000
1,3-Dichlorobenzene		5300000	U	880000	5300000
1,4-Dichlorobenzene		5300000	U	540000	5300000
cis-1,3-Dichloropropene		5300000	U	920000	5300000
trans-1,3-Dichloropropene		5300000	U	920000	5300000
Ethylbenzene		5300000	U	790000	5300000
Ethyl methacrylate		5300000	U	2300000	5300000
2-Hexanone		26000000	U	2200000	26000000
Iodomethane		5300000	U	1100000	5300000
Isobutyl alcohol		210000000	U	73000000	210000000
Methacrylonitrile		110000000	U	25000000	110000000
Methylene Chloride		5300000	U	1100000	5300000
Methyl methacrylate		5300000	U	3900000	5300000
4-Methyl-2-pentanone (MIBK)		26000000	U	3100000	26000000
Pentachloroethane		26000000	U	2300000	26000000
Propionitrile		110000000	U	22000000	110000000

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-025-07-08-S

Lab Sample ID: 680-44288-5

Date Sampled: 01/28/2009 1200

Client Matrix: Solid

% Moisture: 26.2

Date Received: 01/29/2009 0858

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-128724

Lab File ID: I0090.d

Dilution: 500000

Initial Weight/Volume: 6.4 g

Date Analyzed: 02/10/2009 1345

Final Weight/Volume: 10 g

Date Prepared: 01/29/2009 1532

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Styrene		5300000	U	700000	5300000
1,1,1,2-Tetrachloroethane		5300000	U	680000	5300000
1,1,2,2-Tetrachloroethane		5300000	U	1500000	5300000
Tetrachloroethene		5300000	U	770000	5300000
Toluene		5300000	U	840000	5300000
1,1,1-Trichloroethane		5300000	U	610000	5300000
1,1,2-Trichloroethane		5300000	U	1300000	5300000
Trichloroethene		5300000	U	1100000	5300000
Trichlorofluoromethane		5300000	U	1600000	5300000
1,2,3-Trichloropropane		5300000	U	1500000	5300000
Vinyl acetate		11000000	U	1600000	11000000
Vinyl chloride		5300000	U	610000	5300000
Xylenes, Total		11000000	U	2400000	11000000

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

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-09S-11-11.5-S

Lab Sample ID: 680-44288-6

Date Sampled: 01/28/2009 1505

Client Matrix: Solid

% Moisture: 26.0

Date Received: 01/29/2009 0858

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-128724

Lab File ID: I0091.d

Dilution: 200000

Initial Weight/Volume: 8.0 g

Date Analyzed: 02/10/2009 1406

Final Weight/Volume: 10 g

Date Prepared: 01/29/2009 1532

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		17000000	U	1500000	17000000
Acetonitrile		68000000	U	15000000	68000000
Carbon disulfide		1700000	U	410000	1700000
Acrolein		34000000	U	6400000	34000000
Acrylonitrile		34000000	U	7800000	34000000
Benzene		47000000		270000	1700000
Dichlorobromomethane		1700000	U	280000	1700000
Bromoform		1700000	U	370000	1700000
Bromomethane		1700000	U	540000	1700000
2-Butanone (MEK)		8500000	U	910000	8500000
Carbon tetrachloride		1700000	U	340000	1700000
Chlorobenzene		1700000	U	250000	1700000
Chloroethane		1700000	U	410000	1700000
Chloroform		1700000	U	170000	1700000
Chloromethane		1700000	U	240000	1700000
2-Chloro-1,3-butadiene		1700000	U	190000	1700000
3-Chloro-1-propene		1700000	U	510000	1700000
Chlorodibromomethane		1700000	U	170000	1700000
1,2-Dibromo-3-Chloropropane		3400000	U	950000	3400000
Ethylene Dibromide		1700000	U	510000	1700000
Dibromomethane		1700000	U	410000	1700000
trans-1,4-Dichloro-2-butene		3400000	U	1000000	3400000
Dichlorodifluoromethane		1700000	U	300000	1700000
1,1-Dichloroethane		1700000	U	170000	1700000
1,2-Dichloroethane		1700000	U	340000	1700000
1,1-Dichloroethene		1700000	U	180000	1700000
1,2-Dichlorobenzene		1700000	U	220000	1700000
trans-1,2-Dichloroethene		1700000	U	330000	1700000
1,2-Dichloropropane		1700000	U	370000	1700000
1,3-Dichlorobenzene		1700000	U	280000	1700000
1,4-Dichlorobenzene		1700000	U	170000	1700000
cis-1,3-Dichloropropene		1700000	U	290000	1700000
trans-1,3-Dichloropropene		1700000	U	290000	1700000
Ethylbenzene		1700000	U	250000	1700000
Ethyl methacrylate		1700000	U	740000	1700000
2-Hexanone		8500000	U	710000	8500000
Iodomethane		1700000	U	340000	1700000
Isobutyl alcohol		68000000	U	23000000	68000000
Methacrylonitrile		34000000	U	8100000	34000000
Methylene Chloride		1700000	U	340000	1700000
Methyl methacrylate		1700000	U	1300000	1700000
4-Methyl-2-pentanone (MIBK)		8500000	U	980000	8500000
Pentachloroethane		8500000	U	740000	8500000
Propionitrile		34000000	U	7100000	34000000

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: **WGK-BIGMO-BAS-09S-11-11.5-S**

Lab Sample ID: 680-44288-6

Date Sampled: 01/28/2009 1505

Client Matrix: Solid

% Moisture: 26.0

Date Received: 01/29/2009 0858

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-128724

Lab File ID: I0091.d

Dilution: 200000

Initial Weight/Volume: 8.0 g

Date Analyzed: 02/10/2009 1406

Final Weight/Volume: 10 g

Date Prepared: 01/29/2009 1532

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Styrene		1700000	U	220000	1700000
1,1,1,2-Tetrachloroethane		1700000	U	220000	1700000
1,1,2,2-Tetrachloroethane		1700000	U	470000	1700000
Tetrachloroethene		1700000	U	250000	1700000
Toluene		1700000	U	270000	1700000
1,1,1-Trichloroethane		1700000	U	200000	1700000
1,1,2-Trichloroethane		1700000	U	410000	1700000
Trichloroethene		1700000	U	340000	1700000
Trichlorofluoromethane		1700000	U	510000	1700000
1,2,3-Trichloropropane		1700000	U	470000	1700000
Vinyl acetate		3400000	U	510000	3400000
Vinyl chloride		1700000	U	200000	1700000
Xylenes, Total		3400000	U	780000	3400000

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

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-02S-9.5-10-S

Lab Sample ID: 680-44288-7

Date Sampled: 01/28/2009 1430

Client Matrix: Solid

% Moisture: 25.1

Date Received: 01/29/2009 0858

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-128724

Lab File ID: I0092.d

Dilution: 10000

Initial Weight/Volume: 9.6 g

Date Analyzed: 02/10/2009 1427

Final Weight/Volume: 10 g

Date Prepared: 01/29/2009 1532

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		700000	U	61000	700000
Acetonitrile		2800000	U	630000	2800000
Carbon disulfide		70000	U	17000	70000
Acrolein		1400000	U	260000	1400000
Acrylonitrile		1400000	U	320000	1400000
Benzene		1200000		11000	70000
Dichlorobromomethane		70000	U	12000	70000
Bromoform		70000	U	15000	70000
Bromomethane		70000	U	22000	70000
2-Butanone (MEK)		350000	U	38000	350000
Carbon tetrachloride		70000	U	14000	70000
Chlorobenzene		70000	U	10000	70000
Chloroethane		70000	U	17000	70000
Chloroform		70000	U	7000	70000
Chloromethane		70000	U	9900	70000
2-Chloro-1,3-butadiene		70000	U	7900	70000
3-Chloro-1-propene		70000	U	21000	70000
Chlorodibromomethane		70000	U	7000	70000
1,2-Dibromo-3-Chloropropane		140000	U	39000	140000
Ethylene Dibromide		70000	U	21000	70000
Dibromomethane		70000	U	17000	70000
trans-1,4-Dichloro-2-butene		140000	U	43000	140000
Dichlorodifluoromethane		70000	U	12000	70000
1,1-Dichloroethane		70000	U	7000	70000
1,2-Dichloroethane		70000	U	14000	70000
1,1-Dichloroethene		70000	U	7500	70000
1,2-Dichlorobenzene		70000	U	9000	70000
trans-1,2-Dichloroethene		70000	U	13000	70000
1,2-Dichloropropane		70000	U	15000	70000
1,3-Dichlorobenzene		70000	U	12000	70000
1,4-Dichlorobenzene		70000	U	7100	70000
cis-1,3-Dichloropropene		70000	U	12000	70000
trans-1,3-Dichloropropene		70000	U	12000	70000
Ethylbenzene		70000	U	10000	70000
Ethyl methacrylate		70000	U	31000	70000
2-Hexanone		350000	U	29000	350000
Iodomethane		70000	U	14000	70000
Isobutyl alcohol		2800000	U	960000	2800000
Methacrylonitrile		1400000	U	330000	1400000
Methylene Chloride		70000	U	14000	70000
Methyl methacrylate		70000	U	51000	70000
4-Methyl-2-pentanone (MIBK)		350000	U	40000	350000
Pentachloroethane		350000	U	31000	350000
Propionitrile		1400000	U	290000	1400000

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-02S-9.5-10-S

Lab Sample ID: 680-44288-7

Date Sampled: 01/28/2009 1430

Client Matrix: Solid

% Moisture: 25.1

Date Received: 01/29/2009 0858

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-128724

Lab File ID: I0092.d

Dilution: 10000

Initial Weight/Volume: 9.6 g

Date Analyzed: 02/10/2009 1427

Final Weight/Volume: 10 g

Date Prepared: 01/29/2009 1532

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Styrene		70000	U	9200	70000
1,1,1,2-Tetrachloroethane		70000	U	8900	70000
1,1,2,2-Tetrachloroethane		70000	U	19000	70000
Tetrachloroethene		70000	U	10000	70000
Toluene		70000	U	11000	70000
1,1,1-Trichloroethane		70000	U	8100	70000
1,1,2-Trichloroethane		70000	U	17000	70000
Trichloroethene		70000	U	14000	70000
Trichlorofluoromethane		70000	U	21000	70000
1,2,3-Trichloropropane		70000	U	19000	70000
Vinyl acetate		140000	U	21000	140000
Vinyl chloride		70000	U	8100	70000
Xylenes, Total		140000	U	32000	140000

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

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-02D-14-14.5-S

Lab Sample ID: 680-44288-8

Date Sampled: 01/28/2009 1440

Client Matrix: Solid

% Moisture: 24.4

Date Received: 01/29/2009 0858

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129580

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-128724

Lab File ID: I0083.d

Dilution: 20000

Initial Weight/Volume: 7.9 g

Date Analyzed: 02/09/2009 1922

Final Weight/Volume: 10 g

Date Prepared: 01/29/2009 1532

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		1700000	U	150000	1700000
Acetonitrile		6700000	U	1500000	6700000
Carbon disulfide		170000	U	40000	170000
Acrolein		3400000	U	640000	3400000
Acrylonitrile		3400000	U	770000	3400000
Benzene		1800000		26000	170000
Dichlorobromomethane		170000	U	28000	170000
Bromoform		170000	U	37000	170000
Bromomethane		170000	U	54000	170000
2-Butanone (MEK)		840000	U	90000	840000
Carbon tetrachloride		170000	U	34000	170000
Chlorobenzene		170000	U	24000	170000
Chloroethane		170000	U	40000	170000
Chloroform		170000	U	17000	170000
Chloromethane		170000	U	24000	170000
2-Chloro-1,3-butadiene		170000	U	19000	170000
3-Chloro-1-propene		170000	U	50000	170000
Chlorodibromomethane		170000	U	17000	170000
1,2-Dibromo-3-Chloropropane		340000	U	94000	340000
Ethylene Dibromide		170000	U	50000	170000
Dibromomethane		170000	U	40000	170000
trans-1,4-Dichloro-2-butene		340000	U	100000	340000
Dichlorodifluoromethane		170000	U	30000	170000
1,1-Dichloroethane		170000	U	17000	170000
1,2-Dichloroethane		170000	U	34000	170000
1,1-Dichloroethene		170000	U	18000	170000
1,2-Dichlorobenzene		170000	U	22000	170000
trans-1,2-Dichloroethene		170000	U	33000	170000
1,2-Dichloropropane		170000	U	37000	170000
1,3-Dichlorobenzene		170000	U	28000	170000
1,4-Dichlorobenzene		170000	U	17000	170000
cis-1,3-Dichloropropene		170000	U	29000	170000
trans-1,3-Dichloropropene		170000	U	29000	170000
Ethylbenzene		170000	U	25000	170000
Ethyl methacrylate		170000	U	74000	170000
2-Hexanone		840000	U	70000	840000
Iodomethane		170000	U	34000	170000
Isobutyl alcohol		6700000	U	2300000	6700000
Methacrylonitrile		3400000	U	800000	3400000
Methylene Chloride		170000	U	34000	170000
Methyl methacrylate		170000	U	120000	170000
4-Methyl-2-pentanone (MIBK)		840000	U	97000	840000
Pentachloroethane		840000	U	74000	840000
Propionitrile		3400000	U	700000	3400000

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-02D-14-14.5-S

Lab Sample ID: 680-44288-8

Date Sampled: 01/28/2009 1440

Client Matrix: Solid

% Moisture: 24.4

Date Received: 01/29/2009 0858

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129580

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-128724

Lab File ID: I0083.d

Dilution: 20000

Initial Weight/Volume: 7.9 g

Date Analyzed: 02/09/2009 1922

Final Weight/Volume: 10 g

Date Prepared: 01/29/2009 1532

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Styrene		170000	U	22000	170000
1,1,1,2-Tetrachloroethane		170000	U	21000	170000
1,1,2,2-Tetrachloroethane		170000	U	47000	170000
Tetrachloroethene		170000	U	24000	170000
Toluene		170000	U	26000	170000
1,1,1-Trichloroethane		170000	U	19000	170000
1,1,2-Trichloroethane		170000	U	40000	170000
Trichloroethene		170000	U	34000	170000
Trichlorofluoromethane		170000	U	50000	170000
1,2,3-Trichloropropane		170000	U	47000	170000
Vinyl acetate		340000	U	50000	340000
Vinyl chloride		170000	U	19000	170000
Xylenes, Total		340000	U	77000	340000

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

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-10D-14.5-15-S

Lab Sample ID: 680-44288-9

Date Sampled: 01/28/2009 1635

Client Matrix: Solid

% Moisture: 22.5

Date Received: 01/29/2009 0858

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129848

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-128724

Lab File ID: I0114.d

Dilution: 50000

Initial Weight/Volume: 7.5 g

Date Analyzed: 02/11/2009 1434

Final Weight/Volume: 10 g

Date Prepared: 01/29/2009 1532

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		4300000	U	380000	4300000
Acetonitrile		17000000	U	3900000	17000000
Carbon disulfide		430000	U	100000	430000
Acrolein		8600000	U	1600000	8600000
Acrylonitrile		8600000	U	2000000	8600000
Benzene		3400000		68000	430000
Dichlorobromomethane		430000	U	71000	430000
Bromoform		430000	U	95000	430000
Bromomethane		430000	U	140000	430000
2-Butanone (MEK)		2200000	U	230000	2200000
Carbon tetrachloride		430000	U	86000	430000
Chlorobenzene		430000	U	63000	430000
Chloroethane		430000	U	100000	430000
Chloroform		430000	U	43000	430000
Chloromethane		430000	U	61000	430000
2-Chloro-1,3-butadiene		430000	U	49000	430000
3-Chloro-1-propene		430000	U	130000	430000
Chlorodibromomethane		430000	U	43000	430000
1,2-Dibromo-3-Chloropropane		860000	U	240000	860000
Ethylene Dibromide		430000	U	130000	430000
Dibromomethane		430000	U	100000	430000
trans-1,4-Dichloro-2-butene		860000	U	270000	860000
Dichlorodifluoromethane		430000	U	77000	430000
1,1-Dichloroethane		430000	U	43000	430000
1,2-Dichloroethane		430000	U	86000	430000
1,1-Dichloroethene		430000	U	46000	430000
1,2-Dichlorobenzene		430000	U	56000	430000
trans-1,2-Dichloroethene		430000	U	83000	430000
1,2-Dichloropropane		430000	U	95000	430000
1,3-Dichlorobenzene		430000	U	71000	430000
1,4-Dichlorobenzene		430000	U	44000	430000
cis-1,3-Dichloropropene		430000	U	75000	430000
trans-1,3-Dichloropropene		430000	U	75000	430000
Ethylbenzene		430000	U	65000	430000
Ethyl methacrylate		430000	U	190000	430000
2-Hexanone		2200000	U	180000	2200000
Iodomethane		430000	U	86000	430000
Isobutyl alcohol		17000000	U	5900000	17000000
Methacrylonitrile		8600000	U	2100000	8600000
Methylene Chloride		430000	U	86000	430000
Methyl methacrylate		430000	U	320000	430000
4-Methyl-2-pentanone (MIBK)		2200000	U	250000	2200000
Pentachloroethane		2200000	U	190000	2200000
Propionitrile		8600000	U	1800000	8600000

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-10D-14.5-15-S

Lab Sample ID: 680-44288-9

Date Sampled: 01/28/2009 1635

Client Matrix: Solid

% Moisture: 22.5

Date Received: 01/29/2009 0858

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129848

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-128724

Lab File ID: I0114.d

Dilution: 50000

Initial Weight/Volume: 7.5 g

Date Analyzed: 02/11/2009 1434

Final Weight/Volume: 10 g

Date Prepared: 01/29/2009 1532

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Styrene		430000	U	57000	430000
1,1,1,2-Tetrachloroethane		430000	U	55000	430000
1,1,2,2-Tetrachloroethane		430000	U	120000	430000
Tetrachloroethene		430000	U	63000	430000
Toluene		430000	U	68000	430000
1,1,1-Trichloroethane		430000	U	50000	430000
1,1,2-Trichloroethane		430000	U	100000	430000
Trichloroethene		430000	U	86000	430000
Trichlorofluoromethane		430000	U	130000	430000
1,2,3-Trichloropropane		430000	U	120000	430000
Vinyl acetate		860000	U	130000	860000
Vinyl chloride		430000	U	50000	430000
Xylenes, Total		860000	U	200000	860000

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

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-15D-14-14.5-S

Lab Sample ID: 680-44288-10

Date Sampled: 01/28/2009 1655

Client Matrix: Solid

% Moisture: 26.1

Date Received: 01/29/2009 0858

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129580

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-128724

Lab File ID: I0085.d

Dilution: 20000

Initial Weight/Volume: 7.5 g

Date Analyzed: 02/09/2009 2004

Final Weight/Volume: 10 g

Date Prepared: 01/29/2009 1532

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		250000	J B	160000	1800000
Acetonitrile		7200000	U	1600000	7200000
Carbon disulfide		180000	U	43000	180000
Acrolein		3600000	U	690000	3600000
Acrylonitrile		3600000	U	830000	3600000
Benzene		6300000		28000	180000
Dichlorobromomethane		180000	U	30000	180000
Bromoform		180000	U	40000	180000
Bromomethane		180000	U	58000	180000
2-Butanone (MEK)		900000	U	97000	900000
Carbon tetrachloride		180000	U	36000	180000
Chlorobenzene		180000	U	26000	180000
Chloroethane		180000	U	43000	180000
Chloroform		180000	U	18000	180000
Chloromethane		180000	U	26000	180000
2-Chloro-1,3-butadiene		180000	U	21000	180000
3-Chloro-1-propene		180000	U	54000	180000
Chlorodibromomethane		180000	U	18000	180000
1,2-Dibromo-3-Chloropropane		360000	U	100000	360000
Ethylene Dibromide		180000	U	54000	180000
Dibromomethane		180000	U	43000	180000
trans-1,4-Dichloro-2-butene		360000	U	110000	360000
Dichlorodifluoromethane		180000	U	32000	180000
1,1-Dichloroethane		180000	U	18000	180000
1,2-Dichloroethane		180000	U	36000	180000
1,1-Dichloroethene		180000	U	19000	180000
1,2-Dichlorobenzene		180000	U	23000	180000
trans-1,2-Dichloroethene		180000	U	35000	180000
1,2-Dichloropropane		180000	U	40000	180000
1,3-Dichlorobenzene		180000	U	30000	180000
1,4-Dichlorobenzene		180000	U	18000	180000
cis-1,3-Dichloropropene		180000	U	31000	180000
trans-1,3-Dichloropropene		180000	U	31000	180000
Ethylbenzene		180000	U	27000	180000
Ethyl methacrylate		180000	U	79000	180000
2-Hexanone		900000	U	76000	900000
Iodomethane		180000	U	36000	180000
Isobutyl alcohol		7200000	U	2500000	7200000
Methacrylonitrile		3600000	U	870000	3600000
Methylene Chloride		180000	U	36000	180000
Methyl methacrylate		180000	U	130000	180000
4-Methyl-2-pentanone (MIBK)		900000	U	100000	900000
Pentachloroethane		900000	U	79000	900000
Propionitrile		3600000	U	760000	3600000

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Client Sample ID: WGK-BIGMO-BAS-15D-14-14.5-S

Lab Sample ID: 680-44288-10

Date Sampled: 01/28/2009 1655

Client Matrix: Solid

% Moisture: 26.1

Date Received: 01/29/2009 0858

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129580

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-128724

Lab File ID: I0085.d

Dilution: 20000

Initial Weight/Volume: 7.5 g

Date Analyzed: 02/09/2009 2004

Final Weight/Volume: 10 g

Date Prepared: 01/29/2009 1532

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Styrene		180000	U	24000	180000
1,1,1,2-Tetrachloroethane		180000	U	23000	180000
1,1,2,2-Tetrachloroethane		180000	U	51000	180000
Tetrachloroethene		180000	U	26000	180000
Toluene		180000	U	28000	180000
1,1,1-Trichloroethane		180000	U	21000	180000
1,1,2-Trichloroethane		180000	U	43000	180000
Trichloroethene		180000	U	36000	180000
Trichlorofluoromethane		180000	U	54000	180000
1,2,3-Trichloropropane		180000	U	51000	180000
Vinyl acetate		360000	U	54000	360000
Vinyl chloride		180000	U	21000	180000
Xylenes, Total		360000	U	83000	360000

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

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

General Chemistry

Client Sample ID: **WGK-BIGMO-BAS-05D-15.5-16.5**

Lab Sample ID: 680-44233-2

Client Matrix: Solid

Date Sampled: 01/26/2009 1450

Date Received: 01/28/2009 0917

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15		%	0.010	0.010	1.0	PercentMoisture
Any Batch: 680-128925		Date Analyzed		02/02/2009 1147			

Client Sample ID: **WGK-BIGMO-BAS-06S-7.5-8.5**

Lab Sample ID: 680-44233-3

Client Matrix: Solid

Date Sampled: 01/26/2009 1635

Date Received: 01/28/2009 0917

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	23		%	0.010	0.010	1.0	PercentMoisture
Any Batch: 680-128925		Date Analyzed		02/02/2009 1147			

Client Sample ID: **WGK-BIGMO-BAS-07D-13.5-14.5**

Lab Sample ID: 680-44233-4

Client Matrix: Solid

Date Sampled: 01/26/2009 1652

Date Received: 01/28/2009 0917

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18		%	0.010	0.010	1.0	PercentMoisture
Any Batch: 680-128925		Date Analyzed		02/02/2009 1147			

Client Sample ID: **WGK-BIGMO-BAS-08S-9.5-10-S**

Lab Sample ID: 680-44288-2

Client Matrix: Solid

Date Sampled: 01/28/2009 1035

Date Received: 01/29/2009 0858

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	33		%	0.010	0.010	1.0	PercentMoisture
Any Batch: 680-128925		Date Analyzed		02/02/2009 1147			

Client Sample ID: **WGK-BIGMO-BAS-03S-10.5-11-S**

Lab Sample ID: 680-44288-3

Client Matrix: Solid

Date Sampled: 01/28/2009 1155

Date Received: 01/29/2009 0858

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	35		%	0.010	0.010	1.0	PercentMoisture
Any Batch: 680-128925		Date Analyzed		02/02/2009 1147			

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

General Chemistry

Client Sample ID: **WGK-BIGMO-BAS-03D-14.5-15-S**

Lab Sample ID: 680-44288-4

Date Sampled: 01/28/2009 1205

Client Matrix: Solid

Date Received: 01/29/2009 0858

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	24		%	0.010	0.010	1.0	PercentMoisture
Any Batch: 680-128925		Date Analyzed		02/02/2009 1147			

Client Sample ID: **WGK-BIGMO-BAS-025-07-08-S**

Lab Sample ID: 680-44288-5

Date Sampled: 01/28/2009 1200

Client Matrix: Solid

Date Received: 01/29/2009 0858

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	26		%	0.010	0.010	1.0	PercentMoisture
Any Batch: 680-128925		Date Analyzed		02/02/2009 1147			

Client Sample ID: **WGK-BIGMO-BAS-09S-11-11.5-S**

Lab Sample ID: 680-44288-6

Date Sampled: 01/28/2009 1505

Client Matrix: Solid

Date Received: 01/29/2009 0858

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	26		%	0.010	0.010	1.0	PercentMoisture
Any Batch: 680-128925		Date Analyzed		02/02/2009 1147			

Client Sample ID: **WGK-BIGMO-BAS-02S-9.5-10-S**

Lab Sample ID: 680-44288-7

Date Sampled: 01/28/2009 1430

Client Matrix: Solid

Date Received: 01/29/2009 0858

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	25		%	0.010	0.010	1.0	PercentMoisture
Any Batch: 680-128925		Date Analyzed		02/02/2009 1147			

Client Sample ID: **WGK-BIGMO-BAS-02D-14-14.5-S**

Lab Sample ID: 680-44288-8

Date Sampled: 01/28/2009 1440

Client Matrix: Solid

Date Received: 01/29/2009 0858

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	24		%	0.010	0.010	1.0	PercentMoisture
Any Batch: 680-128925		Date Analyzed		02/02/2009 1147			

Analytical Data

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

General Chemistry

Client Sample ID: **WGK-BIGMO-BAS-10D-14.5-15-S**

Lab Sample ID: 680-44288-9

Date Sampled: 01/28/2009 1635

Client Matrix: Solid

Date Received: 01/29/2009 0858

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	23		%	0.010	0.010	1.0	PercentMoisture
Anly Batch: 680-128925		Date Analyzed		02/02/2009 1147			

Client Sample ID: **WGK-BIGMO-BAS-15D-14-14.5-S**

Lab Sample ID: 680-44288-10

Date Sampled: 01/28/2009 1655

Client Matrix: Solid

Date Received: 01/29/2009 0858

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	26		%	0.010	0.010	1.0	PercentMoisture
Anly Batch: 680-128925		Date Analyzed		02/02/2009 1147			

DATA REPORTING QUALIFIERS

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	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.

QUALITY CONTROL RESULTS

Quality Control Results

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KXSX03

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC/MS VOA					
Prep Batch: 680-128724					
680-44288-2	WGK-BIGMO-BAS-08S-9.5-10-S	T	Solid	5035	
680-44288-3	WGK-BIGMO-BAS-03S-10.5-11-S	T	Solid	5035	
680-44288-4	WGK-BIGMO-BAS-03D-14.5-15-S	T	Solid	5035	
680-44288-5	WGK-BIGMO-BAS-02S-07-08-S	T	Solid	5035	
680-44288-6	WGK-BIGMO-BAS-09S-11-11.5-S	T	Solid	5035	
680-44288-7	WGK-BIGMO-BAS-02S-9.5-10-S	T	Solid	5035	
680-44288-8	WGK-BIGMO-BAS-02D-14-14.5-S	T	Solid	5035	
680-44288-9	WGK-BIGMO-BAS-10D-14.5-15-S	T	Solid	5035	
680-44288-10	WGK-BIGMO-BAS-15D-14-14.5-S	T	Solid	5035	
Analysis Batch:680-128954					
LCS 680-128954/5	Lab Control Spike	T	Water	8260B	
LCSD 680-128954/6	Lab Control Spike Duplicate	T	Water	8260B	
MB 680-128954/7	Method Blank	T	Water	8260B	
680-44226-2TB	WGK-BIGMO-BAS-TB2-TB	T	Water	8260B	
680-44288-1TB	WGK-BIGMO-BAS-TB4-TB	T	Water	8260B	
Prep Batch: 680-129100					
680-44226-1	WGK-BIGMO-BAS-016S-7-7.5-5	T	Solid	5035	
Prep Batch: 680-129180					
680-44233-2	WGK-BIGMO-BAS-05D-15.5-16.5	T	Solid	5035	
680-44233-3	WGK-BIGMO-BAS-06S-7.5-8.5	T	Solid	5035	
680-44233-4	WGK-BIGMO-BAS-07D-13.5-14.5	T	Solid	5035	
Analysis Batch:680-129406					
LCS 680-129406/13	Lab Control Spike	T	Water	8260B	
LCSD 680-129406/14	Lab Control Spike Duplicate	T	Water	8260B	
MB 680-129406/16	Method Blank	T	Water	8260B	
680-44233-1TB	WGK-BIGMO-BAS-TB5-TB	T	Water	8260B	
Analysis Batch:680-129580					
LCS 680-129580/14	Lab Control Spike	T	Solid	8260B	
MB 680-129580/15	Method Blank	T	Solid	8260B	
680-44226-1	WGK-BIGMO-BAS-016S-7-7.5-5	T	Solid	8260B	680-129100
680-44233-2	WGK-BIGMO-BAS-05D-15.5-16.5	T	Solid	8260B	680-129180
680-44233-3	WGK-BIGMO-BAS-06S-7.5-8.5	T	Solid	8260B	680-129180
680-44233-4	WGK-BIGMO-BAS-07D-13.5-14.5	T	Solid	8260B	680-129180
680-44288-8	WGK-BIGMO-BAS-02D-14-14.5-S	T	Solid	8260B	680-128724
680-44288-10	WGK-BIGMO-BAS-15D-14-14.5-S	T	Solid	8260B	680-128724

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Quality Control Results

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KXSX03

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:680-129583					
LCS 680-129583/8	Lab Control Spike	T	Solid	8260B	
MB 680-129583/9	Method Blank	T	Solid	8260B	
680-44288-3	WGK-BIGMO-BAS-03S-10.5-11-S	T	Solid	8260B	680-128724
680-44288-4	WGK-BIGMO-BAS-03D-14.5-15-S	T	Solid	8260B	680-128724
Analysis Batch:680-129740					
LCS 680-129740/13	Lab Control Spike	T	Solid	8260B	
MB 680-129740/15	Method Blank	T	Solid	8260B	
680-44288-2	WGK-BIGMO-BAS-08S-9.5-10-S	T	Solid	8260B	680-128724
680-44288-5	WGK-BIGMO-BAS-02S-07-08-S	T	Solid	8260B	680-128724
680-44288-6	WGK-BIGMO-BAS-09S-11-11.5-S	T	Solid	8260B	680-128724
680-44288-7	WGK-BIGMO-BAS-02S-9.5-10-S	T	Solid	8260B	680-128724
Analysis Batch:680-129848					
LCS 680-129848/6	Lab Control Spike	T	Solid	8260B	
MB 680-129848/7	Method Blank	T	Solid	8260B	
680-44288-9	WGK-BIGMO-BAS-10D-14.5-15-S	T	Solid	8260B	680-128724

Report Basis

T = Total

General Chemistry

Analysis Batch:680-128925					
680-44233-2	WGK-BIGMO-BAS-05D-15.5-16.5	T	Solid	PercentMoisture	
680-44233-3	WGK-BIGMO-BAS-06S-7.5-8.5	T	Solid	PercentMoisture	
680-44233-4	WGK-BIGMO-BAS-07D-13.5-14.5	T	Solid	PercentMoisture	
680-44288-2	WGK-BIGMO-BAS-08S-9.5-10-S	T	Solid	PercentMoisture	
680-44288-3	WGK-BIGMO-BAS-03S-10.5-11-S	T	Solid	PercentMoisture	
680-44288-4	WGK-BIGMO-BAS-03D-14.5-15-S	T	Solid	PercentMoisture	
680-44288-5	WGK-BIGMO-BAS-02S-07-08-S	T	Solid	PercentMoisture	
680-44288-6	WGK-BIGMO-BAS-09S-11-11.5-S	T	Solid	PercentMoisture	
680-44288-7	WGK-BIGMO-BAS-02S-9.5-10-S	T	Solid	PercentMoisture	
680-44288-8	WGK-BIGMO-BAS-02D-14-14.5-S	T	Solid	PercentMoisture	
680-44288-9	WGK-BIGMO-BAS-10D-14.5-15-S	T	Solid	PercentMoisture	
680-44288-10	WGK-BIGMO-BAS-15D-14-14.5-S	T	Solid	PercentMoisture	

Report Basis

T = Total

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Quality Control Results

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
680-44226-1	WGK-BIGMO-BAS-0 16S-7-7.5-5	0	0	0
680-44233-2	WGK-BIGMO-BAS-0 5D-15.5-16.5	0	0	0
680-44233-3	WGK-BIGMO-BAS-0 6S-7.5-8.5	0	0	0
680-44233-4	WGK-BIGMO-BAS-0 7D-13.5-14.5	0	0	0
680-44288-2	WGK-BIGMO-BAS-0 8S-9.5-10-S	0	0	0
680-44288-3	WGK-BIGMO-BAS-0 3S-10.5-11-S	0	0	0
680-44288-4	WGK-BIGMO-BAS-0 3D-14.5-15-S	0	0	0
680-44288-5	WGK-BIGMO-BAS-0 25-07-08-S	0	0	0
680-44288-6	WGK-BIGMO-BAS-0 9S-11-11.5-S	0	0	0
680-44288-7	WGK-BIGMO-BAS-0 2S-9.5-10-S	0	0	0
680-44288-8	WGK-BIGMO-BAS-0 2D-14-14.5-S	0	0	0
680-44288-9	WGK-BIGMO-BAS-1 0D-14.5-15-S	0	0	0
680-44288-10	WGK-BIGMO-BAS-1 5D-14-14.5-S	0	0	0
MB 680-129580/15		91	88	86
MB 680-129583/9		76	84	86
MB 680-129740/15		92	81	86
MB 680-129848/7		89	81	80
LCS 680-129580/14		84	88	86
LCS 680-129583/8		78	88	86
LCS 680-129740/13		100	93	96
LCS 680-129848/6		95	91	95

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

Quality Control Results

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)Client Matrix: Water

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
680-44226-2	WGK-BIGMO-BAS-T B2-TB	93	97	101
680-44233-1	WGK-BIGMO-BAS-T B5-TB	90	111	104
680-44288-1	WGK-BIGMO-BAS-T B4-TB	94	99	104
MB 680-128954/7		94	99	103
MB 680-129406/16		88	109	104
LCS 680-128954/5		101	98	105
LCS 680-129406/13		98	103	95
LCSD 680-128954/6		103	101	103
LCSD 680-129406/14		97	98	95

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: 680-44226-1

Sdg Number: KSX03

Method Blank - Batch: 680-128954

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-128954/7

Analysis Batch: 680-128954

Instrument ID: GC/MS Volatiles - P C2

Client Matrix: Water

Prep Batch: N/A

Lab File ID: pq098.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 02/02/2009 1335

Final Weight/Volume: 5 mL

Date Prepared: 02/02/2009 1335

Analyte	Result	Qual	MDL	RL
Acetone	25	U	5.0	25
Acetonitrile	40	U	15	40
Acrolein	20	U	18	20
Acrylonitrile	20	U	3.8	20
Benzene	1.0	U	0.32	1.0
Carbon disulfide	2.0	U	0.60	2.0
Bromoform	1.0	U	0.41	1.0
Bromomethane	1.0	U	0.50	1.0
2-Butanone	10	U	0.60	10
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
Chloroprene	1.0	U	0.35	1.0
3-Chloro-1-propene	1.0	U	0.46	1.0
Dibromochloromethane	1.0	U	0.30	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.48	1.0
Dibromomethane	1.0	U	0.29	1.0
Bromodichloromethane	1.0	U	0.34	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-Dichlorobenzene	1.0	U	0.33	1.0
1,2-Dichloropropane	1.0	U	0.36	1.0
1,2-Dibromoethane	1.0	U	0.30	1.0
1,3-Dichlorobenzene	1.0	U	0.31	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
cis-1,3-Dichloropropene	1.0	U	0.37	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethyl methacrylate	1.0	U	1.0	1.0
2-Hexanone	10	U	0.68	10
Iodomethane	5.0	U	1.0	5.0
Isobutanol	40	U	19	40
Methacrylonitrile	20	U	6.6	20
Methylene Chloride	5.0	U	1.0	5.0
Methyl methacrylate	1.0	U	0.38	1.0
4-Methyl-2-pentanone	10	U	0.60	10
Pentachloroethane	5.0	U	1.3	5.0
Propionitrile	20	U	9.2	20

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

Quality Control Results

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KXSX03

Method Blank - Batch: 680-128954

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-128954/7

Analysis Batch: 680-128954

Instrument ID: GC/MS Volatiles - P C2

Client Matrix: Water

Prep Batch: N/A

Lab File ID: pq098.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 02/02/2009 1335

Final Weight/Volume: 5 mL

Date Prepared: 02/02/2009 1335

Analyte	Result	Qual	MDL	RL
Styrene	1.0	U	0.36	1.0
1,1,1,2-Tetrachloroethane	1.0	U	0.29	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.26	1.0
trans-1,4-Dichloro-2-butene	2.0	U	0.83	2.0
Tetrachloroethene	1.0	U	0.28	1.0
trans-1,2-Dichloroethene	1.0	U	0.30	1.0
Toluene	1.0	U	0.31	1.0
trans-1,3-Dichloropropene	1.0	U	0.27	1.0
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
1,2,3-Trichloropropane	1.0	U	0.42	1.0
Vinyl acetate	2.0	U	0.62	2.0
Vinyl chloride	1.0	U	0.20	1.0
Xylenes, Total	2.0	U	0.87	2.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	94	75 - 120
Dibromofluoromethane	99	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: 680-44226-1

Sdg Number: KSX03

Lab Control Spike/

Lab Control Spike Duplicate Recovery Report - Batch: 680-128954

Method: 8260B

Preparation: 5030B

LCS Lab Sample ID: LCS 680-128954/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/02/2009 1207
Date Prepared: 02/02/2009 1207

Analysis Batch: 680-128954
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P C2
Lab File ID: pq092.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-128954/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/02/2009 1236
Date Prepared: 02/02/2009 1236

Analysis Batch: 680-128954
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P C2
Lab File ID: pq094.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Acetone	96	92	17 - 175	3	50		
Benzene	104	104	77 - 119	0	30		
Carbon disulfide	110	117	55 - 131	6	30		
Bromoform	61	60	62 - 133	1	30	*	*
Bromomethane	108	120	12 - 184	11	50		
2-Butanone	103	102	33 - 157	1	30		
Carbon tetrachloride	80	85	71 - 135	6	30		
Chlorobenzene	104	107	85 - 116	2	30		
Chloroethane	90	96	40 - 165	6	50		
Chloroform	105	108	82 - 120	3	30		
Chloromethane	121	139	48 - 142	14	50		
Dibromochloromethane	79	78	75 - 133	1	30		
1,2-Dibromo-3-Chloropropane	70	72	49 - 140	3	30		
Dibromomethane	106	101	78 - 119	5	30		
Bromodichloromethane	93	91	78 - 127	2	30		
Dichlorodifluoromethane	98	106	34 - 154	8	30		
1,1-Dichloroethane	105	108	74 - 127	3	30		
1,2-Dichloroethane	103	100	66 - 132	3	30		
1,1-Dichloroethene	88	95	62 - 141	8	30		
1,2-Dichlorobenzene	103	105	79 - 124	2	30		
1,2-Dichloropropane	108	105	73 - 124	2	30		
1,2-Dibromoethane	99	96	80 - 121	3	30		
1,3-Dichlorobenzene	104	109	78 - 125	4	30		
1,4-Dichlorobenzene	103	106	81 - 122	3	30		
cis-1,3-Dichloropropene	102	99	76 - 126	3	30		
Ethylbenzene	105	109	86 - 116	4	30		
2-Hexanone	100	99	34 - 161	1	30		
Methylene Chloride	108	120	70 - 125	11	30		
4-Methyl-2-pentanone	104	99	40 - 151	5	30		
Styrene	104	105	82 - 122	1	30		
1,1,1,2-Tetrachloroethane	87	88	81 - 128	1	30		
1,1,2,2-Tetrachloroethane	97	95	69 - 129	2	30		

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

Quality Control Results

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 680-128954**

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

LCS Lab Sample ID: LCS 680-128954/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/02/2009 1207
Date Prepared: 02/02/2009 1207

Analysis Batch: 680-128954
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P C2
Lab File ID: pq092.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-128954/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/02/2009 1236
Date Prepared: 02/02/2009 1236

Analysis Batch: 680-128954
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P C2
Lab File ID: pq094.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Tetrachloroethene	98	103	76 - 126	5	30		
trans-1,2-Dichloroethene	92	96	72 - 131	4	30		
Toluene	105	106	81 - 117	0	30		
trans-1,3-Dichloropropene	99	97	73 - 128	2	30		
1,1,1-Trichloroethane	97	97	76 - 127	0	30		
1,1,2-Trichloroethane	101	99	75 - 121	2	30		
Trichloroethene	103	106	84 - 115	3	30		
Trichlorofluoromethane	151	151	58 - 149	0	50	*	*
1,2,3-Trichloropropane	98	96	70 - 130	2	30		
Vinyl acetate	136	135	10 - 217	1	30		
Vinyl chloride	123	131	59 - 144	6	50		
Xylenes, Total	104	107	84 - 118	3	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	101		103		75 - 120		
Dibromofluoromethane	98		101		75 - 121		
Toluene-d8 (Surr)	105		103		75 - 120		

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

Quality Control Results

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Method Blank - Batch: 680-129406

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-129406/16

Analysis Batch: 680-129406

Instrument ID: GC/MS Volatiles - O C2

Client Matrix: Water

Prep Batch: N/A

Lab File ID: oq092.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 02/04/2009 1334

Final Weight/Volume: 5 mL

Date Prepared: 02/04/2009 1334

Analyte	Result	Qual	MDL	RL
Acetone	25	U	5.0	25
Acetonitrile	40	U	15	40
Acrolein	20	U	18	20
Acrylonitrile	20	U	3.8	20
Benzene	1.0	U	0.32	1.0
Carbon disulfide	2.0	U	0.60	2.0
Bromoform	1.0	U	0.41	1.0
Bromomethane	1.0	U	0.50	1.0
2-Butanone	10	U	0.60	10
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
Chloroprene	1.0	U	0.35	1.0
3-Chloro-1-propene	1.0	U	0.46	1.0
Dibromochloromethane	1.0	U	0.30	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.48	1.0
Dibromomethane	1.0	U	0.29	1.0
Bromodichloromethane	1.0	U	0.34	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-Dichlorobenzene	1.0	U	0.33	1.0
1,2-Dichloropropane	1.0	U	0.36	1.0
1,2-Dibromoethane	1.0	U	0.30	1.0
1,3-Dichlorobenzene	1.0	U	0.31	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
cis-1,3-Dichloropropene	1.0	U	0.37	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethyl methacrylate	1.0	U	1.0	1.0
2-Hexanone	10	U	0.68	10
Iodomethane	5.0	U	1.0	5.0
Isobutanol	40	U	19	40
Methacrylonitrile	20	U	6.6	20
Methylene Chloride	5.0	U	1.0	5.0
Methyl methacrylate	1.0	U	0.38	1.0
4-Methyl-2-pentanone	10	U	0.60	10
Pentachloroethane	5.0	U	1.3	5.0
Propionitrile	20	U	9.2	20

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

Quality Control Results

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KXSX03

Method Blank - Batch: 680-129406

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-129406/16

Analysis Batch: 680-129406

Instrument ID: GC/MS Volatiles - O C2

Client Matrix: Water

Prep Batch: N/A

Lab File ID: oq092.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 02/04/2009 1334

Final Weight/Volume: 5 mL

Date Prepared: 02/04/2009 1334

Analyte	Result	Qual	MDL	RL
Styrene	1.0	U	0.36	1.0
1,1,1,2-Tetrachloroethane	1.0	U	0.29	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.26	1.0
trans-1,4-Dichloro-2-butene	2.0	U	0.83	2.0
Tetrachloroethene	1.0	U	0.28	1.0
trans-1,2-Dichloroethene	1.0	U	0.30	1.0
Toluene	1.0	U	0.31	1.0
trans-1,3-Dichloropropene	1.0	U	0.27	1.0
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
1,2,3-Trichloropropane	1.0	U	0.42	1.0
Vinyl acetate	2.0	U	0.62	2.0
Vinyl chloride	1.0	U	0.20	1.0
Xylenes, Total	2.0	U	0.87	2.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	88	75 - 120
Dibromofluoromethane	109	75 - 121
Toluene-d8 (Surr)	104	75 - 120

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

Quality Control Results

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 680-129406**

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

LCS Lab Sample ID: LCS 680-129406/13
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/04/2009 1110
Date Prepared: 02/04/2009 1110

Analysis Batch: 680-129406
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: oq082.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-129406/14
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/04/2009 1139
Date Prepared: 02/04/2009 1139

Analysis Batch: 680-129406
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: oq084.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Acetone	107	105	17 - 175	2	50		
Benzene	101	100	77 - 119	1	30		
Carbon disulfide	104	100	55 - 131	4	30		
Bromoform	105	106	62 - 133	0	30		
Bromomethane	109	114	12 - 184	5	50		
2-Butanone	109	103	33 - 157	6	30		
Carbon tetrachloride	97	97	71 - 135	0	30		
Chlorobenzene	96	96	85 - 116	0	30		
Chloroethane	112	112	40 - 165	1	50		
Chloroform	104	100	82 - 120	4	30		
Chloromethane	107	102	48 - 142	5	50		
Dibromochloromethane	100	100	75 - 133	0	30		
1,2-Dibromo-3-Chloropropane	108	107	49 - 140	2	30		
Dibromomethane	97	96	78 - 119	1	30		
Bromodichloromethane	107	108	78 - 127	1	30		
Dichlorodifluoromethane	105	100	34 - 154	5	30		
1,1-Dichloroethane	104	102	74 - 127	3	30		
1,2-Dichloroethane	93	93	66 - 132	0	30		
1,1-Dichloroethene	103	101	62 - 141	2	30		
1,2-Dichlorobenzene	102	101	79 - 124	1	30		
1,2-Dichloropropane	104	103	73 - 124	1	30		
1,2-Dibromoethane	101	103	80 - 121	2	30		
1,3-Dichlorobenzene	102	101	78 - 125	1	30		
1,4-Dichlorobenzene	103	100	81 - 122	2	30		
cis-1,3-Dichloropropene	94	94	76 - 126	0	30		
Ethylbenzene	97	97	86 - 116	1	30		
2-Hexanone	104	103	34 - 161	1	30		
Methylene Chloride	108	106	70 - 125	2	30		
4-Methyl-2-pentanone	97	97	40 - 151	0	30		
Styrene	104	104	82 - 122	0	30		
1,1,1,2-Tetrachloroethane	99	100	81 - 128	2	30		
1,1,2,2-Tetrachloroethane	104	101	69 - 129	3	30		

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

Quality Control Results

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

**Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 680-129406**

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

LCS Lab Sample ID: LCS 680-129406/13
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/04/2009 1110
Date Prepared: 02/04/2009 1110

Analysis Batch: 680-129406
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: oq082.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-129406/14
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/04/2009 1139
Date Prepared: 02/04/2009 1139

Analysis Batch: 680-129406
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - O C2
Lab File ID: oq084.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Tetrachloroethene	97	97	76 - 126	0	30		
trans-1,2-Dichloroethene	110	105	72 - 131	4	30		
Toluene	94	95	81 - 117	1	30		
trans-1,3-Dichloropropene	91	91	73 - 128	0	30		
1,1,1-Trichloroethane	102	104	76 - 127	1	30		
1,1,2-Trichloroethane	102	103	75 - 121	1	30		
Trichloroethene	102	101	84 - 115	0	30		
Trichlorofluoromethane	107	104	58 - 149	2	50		
1,2,3-Trichloropropane	96	93	70 - 130	3	30		
Vinyl acetate	110	106	10 - 217	4	30		
Vinyl chloride	110	106	59 - 144	3	50		
Xylenes, Total	99	101	84 - 118	1	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	98		97		75 - 120		
Dibromofluoromethane	103		98		75 - 121		
Toluene-d8 (Surr)	95		95		75 - 120		

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

Quality Control Results

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KXSX03

Method Blank - Batch: 680-129580

Method: 8260B

Preparation: N/A

Lab Sample ID: MB 680-129580/15

Analysis Batch: 680-129580

Instrument ID: GC/MS Volatiles - L

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: lq045.d

Dilution: 40

Units: ug/Kg

Initial Weight/Volume: 5 g

Date Analyzed: 02/09/2009 1254

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Result	Qual	MDL	RL
Acetone	720	J	180	2000
Acetonitrile	8000	U	1800	8000
Acrolein	4000	U	760	4000
Acrylonitrile	4000	U	920	4000
Benzene	200	U	32	200
Carbon disulfide	200	U	48	200
Bromoform	200	U	44	200
Bromomethane	200	U	64	200
2-Butanone (MEK)	1000	U	110	1000
Carbon tetrachloride	200	U	40	200
Chlorobenzene	200	U	29	200
Chloroethane	200	U	48	200
Chloroform	200	U	20	200
Chloromethane	200	U	28	200
2-Chloro-1,3-butadiene	200	U	23	200
3-Chloro-1-propene	200	U	60	200
Chlorodibromomethane	200	U	20	200
1,2-Dibromo-3-Chloropropane	400	U	110	400
Dibromomethane	200	U	48	200
Dichlorobromomethane	200	U	33	200
Dichlorodifluoromethane	200	U	36	200
1,1-Dichloroethane	200	U	20	200
1,2-Dichloroethane	200	U	40	200
1,1-Dichloroethene	200	U	22	200
1,2-Dichlorobenzene	200	U	26	200
1,2-Dichloropropane	200	U	44	200
1,3-Dichlorobenzene	200	U	33	200
Ethylene Dibromide	200	U	60	200
1,4-Dichlorobenzene	200	U	20	200
cis-1,3-Dichloropropene	200	U	35	200
Ethylbenzene	200	U	30	200
Ethyl methacrylate	200	U	88	200
2-Hexanone	1000	U	84	1000
Iodomethane	200	U	40	200
Isobutyl alcohol	8000	U	2800	8000
Methacrylonitrile	4000	U	960	4000
Methylene Chloride	200	U	40	200
Methyl methacrylate	200	U	150	200
4-Methyl-2-pentanone (MIBK)	1000	U	120	1000
Pentachloroethane	1000	U	88	1000
Propionitrile	4000	U	840	4000

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

Quality Control Results

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Method Blank - Batch: 680-129580

Method: 8260B

Preparation: N/A

Lab Sample ID: MB 680-129580/15

Analysis Batch: 680-129580

Instrument ID: GC/MS Volatiles - L

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: lq045.d

Dilution: 40

Units: ug/Kg

Initial Weight/Volume: 5 g

Date Analyzed: 02/09/2009 1254

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Result	Qual	MDL	RL
Styrene	200	U	26	200
1,1,1,2-Tetrachloroethane	200	U	26	200
1,1,2,2-Tetrachloroethane	200	U	56	200
trans-1,4-Dichloro-2-butene	400	U	120	400
Tetrachloroethene	200	U	29	200
trans-1,2-Dichloroethene	200	U	39	200
Toluene	200	U	32	200
trans-1,3-Dichloropropene	200	U	35	200
1,1,1-Trichloroethane	200	U	23	200
1,1,2-Trichloroethane	200	U	48	200
Trichloroethene	200	U	40	200
Trichlorofluoromethane	200	U	60	200
1,2,3-Trichloropropane	200	U	56	200
Vinyl acetate	400	U	60	400
Vinyl chloride	200	U	23	200
Xylenes, Total	400	U	92	400

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	91	65 - 124
Dibromofluoromethane	88	65 - 124
Toluene-d8 (Surr)	86	65 - 132

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

Quality Control Results

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Lab Control Spike - Batch: 680-129580

Method: 8260B

Preparation: N/A

Lab Sample ID: LCS 680-129580/14

Analysis Batch: 680-129580

Instrument ID: GC/MS Volatiles - L

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: lq043.d

Dilution: 40

Units: ug/Kg

Initial Weight/Volume: 5 g

Date Analyzed: 02/09/2009 1130

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	5000	3850	77	16 - 202	
Benzene	2500	2030	81	63 - 130	
Carbon disulfide	2500	2360	94	46 - 134	
Bromoform	2500	2340	94	66 - 127	
Bromomethane	2500	1950	78	54 - 146	
2-Butanone (MEK)	5000	4180	84	19 - 192	
Carbon tetrachloride	2500	2060	82	60 - 136	
Chlorobenzene	2500	2410	96	77 - 120	
Chloroethane	2500	2470	99	26 - 166	
Chloroform	2500	2570	103	68 - 127	
Chloromethane	2500	2380	95	46 - 137	
Chlorodibromomethane	2500	2050	82	70 - 126	
1,2-Dibromo-3-Chloropropane	2500	2000	80	62 - 140	
Dibromomethane	2500	1990	80	61 - 138	
Dichlorobromomethane	2500	2040	81	64 - 137	
Dichlorodifluoromethane	2500	1780	71	17 - 163	
1,1-Dichloroethane	2500	2480	99	65 - 130	
1,2-Dichloroethane	2500	1850	74	62 - 140	
1,1-Dichloroethene	2500	2100	84	59 - 137	
1,2-Dichlorobenzene	2500	2210	88	75 - 123	
1,2-Dichloropropane	2500	2090	84	66 - 135	
1,3-Dichlorobenzene	2500	2360	94	74 - 123	
Ethylene Dibromide	2500	1970	79	61 - 138	
1,4-Dichlorobenzene	2500	2310	92	75 - 122	
cis-1,3-Dichloropropene	2500	2120	85	66 - 137	
Ethylbenzene	2500	2130	85	77 - 121	
2-Hexanone	5000	3840	77	47 - 151	
Methylene Chloride	2500	1920	77	65 - 126	
4-Methyl-2-pentanone (MIBK)	5000	4120	82	50 - 148	
Styrene	2500	2260	90	75 - 123	
1,1,1,2-Tetrachloroethane	2500	2090	84	72 - 124	
1,1,2,2-Tetrachloroethane	2500	1940	78	65 - 130	
Tetrachloroethene	2500	2390	96	76 - 120	
trans-1,2-Dichloroethene	2500	2310	92	66 - 127	
Toluene	2500	2250	90	67 - 132	
trans-1,3-Dichloropropene	2500	2140	85	64 - 138	
1,1,1-Trichloroethane	2500	1960	78	56 - 140	
1,1,2-Trichloroethane	2500	2040	82	62 - 138	
Trichloroethene	2500	2170	87	68 - 133	
Trichlorofluoromethane	2500	2380	95	33 - 152	
1,2,3-Trichloropropane	2500	1920	77	65 - 132	

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

Quality Control Results

Client: Solutia Inc.
 Job Number: 680-44226-1
 Sdg Number: KSX03

Lab Control Spike - Batch: 680-129580
 Method: 8260B
 Preparation: N/A

Lab Sample ID: LCS 680-129580/14	Analysis Batch: 680-129580	Instrument ID: GC/MS Volatiles - L
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: lq043.d
Dilution: 40	Units: ug/Kg	Initial Weight/Volume: 5 g
Date Analyzed: 02/09/2009 1130		Final Weight/Volume: 5 mL
Date Prepared: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Vinyl acetate	5000	6390	128	10 - 254	
Vinyl chloride	2500	2170	87	56 - 139	
Xylenes, Total	7500	6880	92	76 - 122	
Surrogate	% Rec		Acceptance Limits		
4-Bromofluorobenzene	84		65 - 124		
Dibromofluoromethane	88		65 - 124		
Toluene-d8 (Surr)	86		65 - 132		

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

Quality Control Results

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Method Blank - Batch: 680-129583

Method: 8260B

Preparation: N/A

Lab Sample ID: MB 680-129583/9

Analysis Batch: 680-129583

Instrument ID: GC/MS Volatiles - M

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: mq032.d

Dilution: 40

Units: ug/Kg

Initial Weight/Volume: 5 g

Date Analyzed: 02/09/2009 1336

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Result	Qual	MDL	RL
Acetone	2000	U	180	2000
Acetonitrile	8000	U	1800	8000
Acrolein	4000	U	760	4000
Acrylonitrile	4000	U	920	4000
Benzene	200	U	32	200
Carbon disulfide	200	U	48	200
Bromoform	200	U	44	200
Bromomethane	200	U	64	200
2-Butanone (MEK)	1000	U	110	1000
Carbon tetrachloride	200	U	40	200
Chlorobenzene	200	U	29	200
Chloroethane	200	U	48	200
Chloroform	200	U	20	200
Chloromethane	200	U	28	200
2-Chloro-1,3-butadiene	200	U	23	200
3-Chloro-1-propene	200	U	60	200
Chlorodibromomethane	200	U	20	200
1,2-Dibromo-3-Chloropropane	400	U	110	400
Dibromomethane	200	U	48	200
Dichlorobromomethane	200	U	33	200
Dichlorodifluoromethane	200	U	36	200
1,1-Dichloroethane	200	U	20	200
1,2-Dichloroethane	200	U	40	200
1,1-Dichloroethene	200	U	22	200
1,2-Dichlorobenzene	200	U	26	200
1,2-Dichloropropane	200	U	44	200
1,3-Dichlorobenzene	200	U	33	200
Ethylene Dibromide	200	U	60	200
1,4-Dichlorobenzene	200	U	20	200
cis-1,3-Dichloropropene	200	U	35	200
Ethylbenzene	200	U	30	200
Ethyl methacrylate	200	U	88	200
2-Hexanone	1000	U	84	1000
Iodomethane	200	U	40	200
Isobutyl alcohol	8000	U	2800	8000
Methacrylonitrile	4000	U	960	4000
Methylene Chloride	200	U	40	200
Methyl methacrylate	200	U	150	200
4-Methyl-2-pentanone (MIBK)	1000	U	120	1000
Pentachloroethane	1000	U	88	1000
Propionitrile	4000	U	840	4000

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

Quality Control Results

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KXSX03

Method Blank - Batch: 680-129583

Method: 8260B

Preparation: N/A

Lab Sample ID: MB 680-129583/9

Analysis Batch: 680-129583

Instrument ID: GC/MS Volatiles - M

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: mq032.d

Dilution: 40

Units: ug/Kg

Initial Weight/Volume: 5 g

Date Analyzed: 02/09/2009 1336

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Result	Qual	MDL	RL
Styrene	200	U	26	200
1,1,1,2-Tetrachloroethane	200	U	26	200
1,1,2,2-Tetrachloroethane	200	U	56	200
trans-1,4-Dichloro-2-butene	400	U	120	400
Tetrachloroethene	200	U	29	200
trans-1,2-Dichloroethene	200	U	39	200
Toluene	200	U	32	200
trans-1,3-Dichloropropene	200	U	35	200
1,1,1-Trichloroethane	200	U	23	200
1,1,2-Trichloroethane	200	U	48	200
Trichloroethene	200	U	40	200
Trichlorofluoromethane	200	U	60	200
1,2,3-Trichloropropane	200	U	56	200
Vinyl acetate	400	U	60	400
Vinyl chloride	200	U	23	200
Xylenes, Total	400	U	92	400
Surrogate	% Rec	Acceptance Limits		
4-Bromofluorobenzene	76	65 - 124		
Dibromofluoromethane	84	65 - 124		
Toluene-d8 (Surr)	86	65 - 132		

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

Quality Control Results

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Lab Control Spike - Batch: 680-129583

Method: 8260B

Preparation: N/A

Lab Sample ID: LCS 680-129583/8

Analysis Batch: 680-129583

Instrument ID: GC/MS Volatiles - M

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: mq029.d

Dilution: 40

Units: ug/Kg

Initial Weight/Volume: 5 g

Date Analyzed: 02/09/2009 1143

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	5000	4880	98	16 - 202	
Benzene	2500	2250	90	63 - 130	
Carbon disulfide	2500	2230	89	46 - 134	
Bromoform	2500	1970	79	66 - 127	
Bromomethane	2500	2270	91	54 - 146	
2-Butanone (MEK)	5000	4740	95	19 - 192	
Carbon tetrachloride	2500	2130	85	60 - 136	
Chlorobenzene	2500	2120	85	77 - 120	
Chloroethane	2500	1620	65	26 - 166	
Chloroform	2500	2350	94	68 - 127	
Chloromethane	2500	2690	108	46 - 137	
Chlorodibromomethane	2500	2040	82	70 - 126	
1,2-Dibromo-3-Chloropropane	2500	2040	82	62 - 140	
Dibromomethane	2500	2100	84	61 - 138	
Dichlorobromomethane	2500	2230	89	64 - 137	
Dichlorodifluoromethane	2500	1560	63	17 - 163	
1,1-Dichloroethane	2500	1580	63	65 - 130	*
1,2-Dichloroethane	2500	2000	80	62 - 140	
1,1-Dichloroethene	2500	1910	77	59 - 137	
1,2-Dichlorobenzene	2500	1920	77	75 - 123	
1,2-Dichloropropane	2500	2230	89	66 - 135	
1,3-Dichlorobenzene	2500	1920	77	74 - 123	
Ethylene Dibromide	2500	2010	80	61 - 138	
1,4-Dichlorobenzene	2500	1980	79	75 - 122	
cis-1,3-Dichloropropene	2500	2240	90	66 - 137	
Ethylbenzene	2500	2100	84	77 - 121	
2-Hexanone	5000	3590	72	47 - 151	
Methylene Chloride	2500	2260	90	65 - 126	
4-Methyl-2-pentanone (MIBK)	5000	3350	67	50 - 148	
Styrene	2500	2000	80	75 - 123	
1,1,1,2-Tetrachloroethane	2500	2290	92	72 - 124	
1,1,2,2-Tetrachloroethane	2500	1870	75	65 - 130	
Tetrachloroethene	2500	2060	83	76 - 120	
trans-1,2-Dichloroethene	2500	1930	77	66 - 127	
Toluene	2500	2180	87	67 - 132	
trans-1,3-Dichloropropene	2500	2230	89	64 - 138	
1,1,1-Trichloroethane	2500	1970	79	56 - 140	
1,1,2-Trichloroethane	2500	2110	84	62 - 138	
Trichloroethene	2500	2150	86	68 - 133	
Trichlorofluoromethane	2500	573	23	33 - 152	*
1,2,3-Trichloropropane	2500	1800	72	65 - 132	

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

Quality Control Results

Client: Solutia Inc.
 Job Number: 680-44226-1
 Sdg Number: KSX03

Lab Control Spike - Batch: 680-129583
 Method: 8260B
 Preparation: N/A

Lab Sample ID: LCS 680-129583/8	Analysis Batch: 680-129583	Instrument ID: GC/MS Volatiles - M
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: mq029.d
Dilution: 40	Units: ug/Kg	Initial Weight/Volume: 5 g
Date Analyzed: 02/09/2009 1143		Final Weight/Volume: 5 mL
Date Prepared: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Vinyl acetate	5000	4840	97	10 - 254	
Vinyl chloride	2500	2730	109	56 - 139	
Xylenes, Total	7500	5960	79	76 - 122	
Surrogate	% Rec		Acceptance Limits		
4-Bromofluorobenzene	78		65 - 124		
Dibromofluoromethane	88		65 - 124		
Toluene-d8 (Surr)	86		65 - 132		

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

Quality Control Results

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Method Blank - Batch: 680-129740

Method: 8260B

Preparation: N/A

Lab Sample ID: MB 680-129740/15

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: lq054.d

Dilution: 40

Units: ug/Kg

Initial Weight/Volume: 5 g

Date Analyzed: 02/10/2009 1236

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Result	Qual	MDL	RL
Acetone	2000	U	180	2000
Acetonitrile	8000	U	1800	8000
Acrolein	4000	U	760	4000
Acrylonitrile	4000	U	920	4000
Benzene	200	U	32	200
Carbon disulfide	200	U	48	200
Bromoform	200	U	44	200
Bromomethane	200	U	64	200
2-Butanone (MEK)	1000	U	110	1000
Carbon tetrachloride	200	U	40	200
Chlorobenzene	200	U	29	200
Chloroethane	200	U	48	200
Chloroform	200	U	20	200
Chloromethane	200	U	28	200
2-Chloro-1,3-butadiene	200	U	23	200
3-Chloro-1-propene	200	U	60	200
Chlorodibromomethane	200	U	20	200
1,2-Dibromo-3-Chloropropane	400	U	110	400
Dibromomethane	200	U	48	200
Dichlorobromomethane	200	U	33	200
Dichlorodifluoromethane	200	U	36	200
1,1-Dichloroethane	200	U	20	200
1,2-Dichloroethane	200	U	40	200
1,1-Dichloroethene	200	U	22	200
1,2-Dichlorobenzene	200	U	26	200
1,2-Dichloropropane	200	U	44	200
1,3-Dichlorobenzene	200	U	33	200
Ethylene Dibromide	200	U	60	200
1,4-Dichlorobenzene	200	U	20	200
cis-1,3-Dichloropropene	200	U	35	200
Ethylbenzene	200	U	30	200
Ethyl methacrylate	200	U	88	200
2-Hexanone	1000	U	84	1000
Iodomethane	200	U	40	200
Isobutyl alcohol	8000	U	2800	8000
Methacrylonitrile	4000	U	960	4000
Methylene Chloride	200	U	40	200
Methyl methacrylate	200	U	150	200
4-Methyl-2-pentanone (MIBK)	1000	U	120	1000
Pentachloroethane	1000	U	88	1000
Propionitrile	4000	U	840	4000

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

Quality Control Results

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Method Blank - Batch: 680-129740

Method: 8260B

Preparation: N/A

Lab Sample ID: MB 680-129740/15

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: lq054.d

Dilution: 40

Units: ug/Kg

Initial Weight/Volume: 5 g

Date Analyzed: 02/10/2009 1236

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Result	Qual	MDL	RL
Styrene	200	U	26	200
1,1,1,2-Tetrachloroethane	200	U	26	200
1,1,2,2-Tetrachloroethane	200	U	56	200
trans-1,4-Dichloro-2-butene	400	U	120	400
Tetrachloroethene	200	U	29	200
trans-1,2-Dichloroethene	200	U	39	200
Toluene	200	U	32	200
trans-1,3-Dichloropropene	200	U	35	200
1,1,1-Trichloroethane	200	U	23	200
1,1,2-Trichloroethane	200	U	48	200
Trichloroethene	200	U	40	200
Trichlorofluoromethane	200	U	60	200
1,2,3-Trichloropropane	200	U	56	200
Vinyl acetate	400	U	60	400
Vinyl chloride	200	U	23	200
Xylenes, Total	400	U	92	400
Surrogate	% Rec	Acceptance Limits		
4-Bromofluorobenzene	92	65 - 124		
Dibromofluoromethane	81	65 - 124		
Toluene-d8 (Surr)	86	65 - 132		

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

Quality Control Results

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Lab Control Spike - Batch: 680-129740

Method: 8260B

Preparation: N/A

Lab Sample ID: LCS 680-129740/13

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: lq050.d

Dilution: 40

Units: ug/Kg

Initial Weight/Volume: 5 g

Date Analyzed: 02/10/2009 1047

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	5000	6880	138	16 - 202	
Benzene	2500	2330	93	63 - 130	
Carbon disulfide	2500	2090	84	46 - 134	
Bromoform	2500	3040	122	66 - 127	
Bromomethane	2500	2000	80	54 - 146	
2-Butanone (MEK)	5000	6740	135	19 - 192	
Carbon tetrachloride	2500	2400	96	60 - 136	
Chlorobenzene	2500	2700	108	77 - 120	
Chloroethane	2500	2260	90	26 - 166	
Chloroform	2500	2630	105	68 - 127	
Chloromethane	2500	2130	85	46 - 137	
Chlorodibromomethane	2500	2570	103	70 - 126	
1,2-Dibromo-3-Chloropropane	2500	3110	124	62 - 140	
Dibromomethane	2500	2520	101	61 - 138	
Dichlorobromomethane	2500	2480	99	64 - 137	
Dichlorodifluoromethane	2500	1490	60	17 - 163	
1,1-Dichloroethane	2500	2450	98	65 - 130	
1,2-Dichloroethane	2500	2310	92	62 - 140	
1,1-Dichloroethene	2500	1960	78	59 - 137	
1,2-Dichlorobenzene	2500	2730	109	75 - 123	
1,2-Dichloropropane	2500	2440	98	66 - 135	
1,3-Dichlorobenzene	2500	2750	110	74 - 123	
Ethylene Dibromide	2500	2640	106	61 - 138	
1,4-Dichlorobenzene	2500	2710	109	75 - 122	
cis-1,3-Dichloropropene	2500	2620	105	66 - 137	
Ethylbenzene	2500	2530	101	77 - 121	
2-Hexanone	5000	6440	129	47 - 151	
Methylene Chloride	2500	2630	105	65 - 126	
4-Methyl-2-pentanone (MIBK)	5000	6270	125	50 - 148	
Styrene	2500	2560	102	75 - 123	
1,1,1,2-Tetrachloroethane	2500	2540	102	72 - 124	
1,1,2,2-Tetrachloroethane	2500	2660	106	65 - 130	
Tetrachloroethene	2500	2600	104	76 - 120	
trans-1,2-Dichloroethene	2500	2150	86	66 - 127	
Toluene	2500	2570	103	67 - 132	
trans-1,3-Dichloropropene	2500	2680	107	64 - 138	
1,1,1-Trichloroethane	2500	2210	88	56 - 140	
1,1,2-Trichloroethane	2500	2590	104	62 - 138	
Trichloroethene	2500	2430	97	68 - 133	
Trichlorofluoromethane	2500	2270	91	33 - 152	
1,2,3-Trichloropropane	2500	2620	105	65 - 132	

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

Quality Control Results

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Lab Control Spike - Batch: 680-129740

Method: 8260B

Preparation: N/A

Lab Sample ID: LCS 680-129740/13

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: lq050.d

Dilution: 40

Units: ug/Kg

Initial Weight/Volume: 5 g

Date Analyzed: 02/10/2009 1047

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Vinyl acetate	5000	7390	148	10 - 254	
Vinyl chloride	2500	2070	83	56 - 139	
Xylenes, Total	7500	7820	104	76 - 122	
Surrogate	% Rec		Acceptance Limits		
4-Bromofluorobenzene	100		65 - 124		
Dibromofluoromethane	93		65 - 124		
Toluene-d8 (Surr)	96		65 - 132		

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

Quality Control Results

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Method Blank - Batch: 680-129848

Method: 8260B

Preparation: N/A

Lab Sample ID: MB 680-129848/7

Analysis Batch: 680-129848

Instrument ID: GC/MS Volatiles - L

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: lq062.d

Dilution: 40

Units: ug/Kg

Initial Weight/Volume: 5 g

Date Analyzed: 02/11/2009 1242

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Result	Qual	MDL	RL
Acetone	290	J	180	2000
Acetonitrile	8000	U	1800	8000
Acrolein	4000	U	760	4000
Acrylonitrile	4000	U	920	4000
Benzene	200	U	32	200
Carbon disulfide	200	U	48	200
Bromoform	200	U	44	200
Bromomethane	200	U	64	200
2-Butanone (MEK)	1000	U	110	1000
Carbon tetrachloride	200	U	40	200
Chlorobenzene	200	U	29	200
Chloroethane	200	U	48	200
Chloroform	200	U	20	200
Chloromethane	200	U	28	200
2-Chloro-1,3-butadiene	200	U	23	200
3-Chloro-1-propene	200	U	60	200
Chlorodibromomethane	200	U	20	200
1,2-Dibromo-3-Chloropropane	400	U	110	400
Dibromomethane	200	U	48	200
Dichlorobromomethane	200	U	33	200
Dichlorodifluoromethane	200	U	36	200
1,1-Dichloroethane	200	U	20	200
1,2-Dichloroethane	200	U	40	200
1,1-Dichloroethene	200	U	22	200
1,2-Dichlorobenzene	200	U	26	200
1,2-Dichloropropane	200	U	44	200
1,3-Dichlorobenzene	200	U	33	200
Ethylene Dibromide	200	U	60	200
1,4-Dichlorobenzene	200	U	20	200
cis-1,3-Dichloropropene	200	U	35	200
Ethylbenzene	200	U	30	200
Ethyl methacrylate	200	U	88	200
2-Hexanone	1000	U	84	1000
Iodomethane	200	U	40	200
Isobutyl alcohol	8000	U	2800	8000
Methacrylonitrile	4000	U	960	4000
Methylene Chloride	200	U	40	200
Methyl methacrylate	200	U	150	200
4-Methyl-2-pentanone (MIBK)	1000	U	120	1000
Pentachloroethane	1000	U	88	1000
Propionitrile	4000	U	840	4000

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

Quality Control Results

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KXSX03

Method Blank - Batch: 680-129848

Method: 8260B

Preparation: N/A

Lab Sample ID: MB 680-129848/7

Analysis Batch: 680-129848

Instrument ID: GC/MS Volatiles - L

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: lq062.d

Dilution: 40

Units: ug/Kg

Initial Weight/Volume: 5 g

Date Analyzed: 02/11/2009 1242

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Result	Qual	MDL	RL
Styrene	200	U	26	200
1,1,1,2-Tetrachloroethane	200	U	26	200
1,1,2,2-Tetrachloroethane	200	U	56	200
trans-1,4-Dichloro-2-butene	400	U	120	400
Tetrachloroethene	200	U	29	200
trans-1,2-Dichloroethene	200	U	39	200
Toluene	200	U	32	200
trans-1,3-Dichloropropene	200	U	35	200
1,1,1-Trichloroethane	200	U	23	200
1,1,2-Trichloroethane	200	U	48	200
Trichloroethene	200	U	40	200
Trichlorofluoromethane	200	U	60	200
1,2,3-Trichloropropane	200	U	56	200
Vinyl acetate	400	U	60	400
Vinyl chloride	200	U	23	200
Xylenes, Total	400	U	92	400

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	89	65 - 124
Dibromofluoromethane	81	65 - 124
Toluene-d8 (Surr)	80	65 - 132

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

Quality Control Results

Client: Solutia Inc.

Job Number: 680-44226-1

Sdg Number: KSX03

Lab Control Spike - Batch: 680-129848

Method: 8260B

Preparation: N/A

Lab Sample ID: LCS 680-129848/6

Analysis Batch: 680-129848

Instrument ID: GC/MS Volatiles - L

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: lq059.d

Dilution: 40

Units: ug/Kg

Initial Weight/Volume: 5 g

Date Analyzed: 02/11/2009 1117

Final Weight/Volume: 5 mL

Date Prepared: N/A

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	5000	6450	129	16 - 202	
Benzene	2500	2220	89	63 - 130	
Carbon disulfide	2500	2020	81	46 - 134	
Bromoform	2500	2620	105	66 - 127	
Bromomethane	2500	1950	78	54 - 146	
2-Butanone (MEK)	5000	5880	118	19 - 192	
Carbon tetrachloride	2500	2360	94	60 - 136	
Chlorobenzene	2500	2550	102	77 - 120	
Chloroethane	2500	2320	93	26 - 166	
Chloroform	2500	2600	104	68 - 127	
Chloromethane	2500	1860	74	46 - 137	
Chlorodibromomethane	2500	2340	94	70 - 126	
1,2-Dibromo-3-Chloropropane	2500	2590	104	62 - 140	
Dibromomethane	2500	2300	92	61 - 138	
Dichlorobromomethane	2500	2460	98	64 - 137	
Dichlorodifluoromethane	2500	1150	46	17 - 163	
1,1-Dichloroethane	2500	2470	99	65 - 130	
1,2-Dichloroethane	2500	2310	92	62 - 140	
1,1-Dichloroethene	2500	1990	80	59 - 137	
1,2-Dichlorobenzene	2500	2480	99	75 - 123	
1,2-Dichloropropane	2500	2330	93	66 - 135	
1,3-Dichlorobenzene	2500	2530	101	74 - 123	
Ethylene Dibromide	2500	2300	92	61 - 138	
1,4-Dichlorobenzene	2500	2510	100	75 - 122	
cis-1,3-Dichloropropene	2500	2410	96	66 - 137	
Ethylbenzene	2500	2350	94	77 - 121	
2-Hexanone	5000	5460	109	47 - 151	
Methylene Chloride	2500	1970	79	65 - 126	
4-Methyl-2-pentanone (MIBK)	5000	5350	107	50 - 148	
Styrene	2500	2340	93	75 - 123	
1,1,1,2-Tetrachloroethane	2500	2380	95	72 - 124	
1,1,2,2-Tetrachloroethane	2500	2250	90	65 - 130	
Tetrachloroethene	2500	2450	98	76 - 120	
trans-1,2-Dichloroethene	2500	2070	83	66 - 127	
Toluene	2500	2420	97	67 - 132	
trans-1,3-Dichloropropene	2500	2510	101	64 - 138	
1,1,1-Trichloroethane	2500	2240	90	56 - 140	
1,1,2-Trichloroethane	2500	2390	96	62 - 138	
Trichloroethene	2500	2350	94	68 - 133	
Trichlorofluoromethane	2500	2280	91	33 - 152	
1,2,3-Trichloropropane	2500	2300	92	65 - 132	

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

Quality Control Results

Client: Solutia Inc.
 Job Number: 680-44226-1
 Sdg Number: KSX03

Lab Control Spike - Batch: 680-129848
 Method: 8260B
 Preparation: N/A

Lab Sample ID: LCS 680-129848/6	Analysis Batch: 680-129848	Instrument ID: GC/MS Volatiles - L
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: lq059.d
Dilution: 40	Units: ug/Kg	Initial Weight/Volume: 5 g
Date Analyzed: 02/11/2009 1117		Final Weight/Volume: 5 mL
Date Prepared: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Vinyl acetate	5000	6450	129	10 - 254	
Vinyl chloride	2500	1860	74	56 - 139	
Xylenes, Total	7500	7290	97	76 - 122	
Surrogate	% Rec		Acceptance Limits		
4-Bromofluorobenzene	95		65 - 124		
Dibromofluoromethane	91		65 - 124		
Toluene-d8 (Surr)	95		65 - 132		

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

Serial Number 013976

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)		MATRIX TYPE		REQUIRED ANALYSIS		PAGE 1 OF 1	
TAL (LAB) PROJECT MANAGER		P.O. NUMBER		CONTRACT NO.		COMPOSITE (C) OR GRAB (G) INDICATE		STANDARD REPORT DELIVERY		DATE DUE	
CLIENT (SDE) PM		CLIENT PHONE		CLIENT FAX		AQUEOUS (WATER)		EXPEDITED REPORT DELIVERY (SURCHARGE)		DATE DUE	
CLIENT NAME		CLIENT E-MAIL				SOLID OR SEMISOLID					
CLIENT ADDRESS						NONAQUEOUS LIQUID (OIL, SOLVENT, ...)					
COMPANY CONTRACTING THIS WORK (if applicable)											
SAMPLE		SAMPLE IDENTIFICATION									
DATE	TIME										
11/27/09	1145	W6K-BICMO-BAS-MS-7-7.5-S		G		✓		3		1	
11/27/09	—	W6K-BICMO-BAS-TB2-TB		G		✓		2		2	
REMARKS											
See notes											
RECEIVED BY (SIGNATURE)											
DATE											
TIME											
RELINQUISHED BY (SIGNATURE)											
DATE											
TIME											
RECEIVED BY (SIGNATURE)											
DATE											
TIME											
RECEIVED FOR LABORATORY BY (SIGNATURE)											
DATE											
TIME											
CUSTODY INTACT											
YES ☐ NO ☐											
CUSTODY SEAL NO.											
SAVANNAH LOG NO.											
LABORATORY USE ONLY											
LABORATORY REMARKS											
4.8 TEMP											

Serial Number 013975

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

Phone:
Fax:

Phone:
Fax:

Page 73 of 77

Serial Number 013977

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		MATRIX TYPE		REQUIRED ANALYSIS		PAGE 1 OF	
Savnet, GA		08613.01		TL							
TAL (LAB) PROJECT MANAGER		P.O. NUMBER		CONTRACT NO.							
L. G. G. G.											
CLIENT (SITE) PM		CLIENT PHONE		CLIENT FAX							
Savnet Park		603.778.1160		603.778.1161							
CLIENT NAME		CLIENT E-MAIL									
KOD		parikh@xrd-llc.com									
CLIENT ADDRESS		#3, Spafarm, NY									
COMPANY CONTRACTING THIS WORK (if applicable)											
Savnet Inc (Bill to)											
DATE	TIME	SAMPLE IDENTIFICATION		COMPOSITE (C) OR GRAB (G) INDICATE		AQUEOUS (WATER)		SOLID OR SEMISOLID		NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	
01/28/09	10:35	Wet-Bigmo-BAS-TB-4-TB		V						2	
01/28/09	11:53	Wet-Bigmo-BAS-08S-9-9.5-S								4	
01/28/09	12:05	Wet-Bigmo-BAS-03S-10.5-11-S								4	
01/28/09	14:00	Wet-Bigmo-BAS-03D-14.5-15-S								4	
01/28/09	15:05	Wet-Bigmo-BAS-09S-11-11.5-S								4	
01/28/09	14:30	Wet-Bigmo-BAS-02S-9.5-10-S								4	
01/28/09	14:40	Wet-Bigmo-BAS-02D-14-14.5-S								4	
01/28/09	16:35	Wet-Bigmo-BAS-10D-14.5-15-S								4	
01/28/09	16:55	Wet-Bigmo-BAS-10D-14.5-15-S								4	
01/28/09	17:00	Wet-Bigmo-BAS-15D-14-14.5-S								4	
RELINQUISHED BY: (SIGNATURE)		DATE		TIME		RELINQUISHED BY: (SIGNATURE)		DATE		TIME	
		1/29/09		12:00				1/29/09		17:50	
RECEIVED BY: (SIGNATURE)		DATE		TIME		RECEIVED BY: (SIGNATURE)		DATE		TIME	
Beth A. Daugherty		1/29/09		12:00		Beth A. Daugherty		1/29/09		17:50	
LABORATORY USE ONLY		DATE		TIME		DATE		TIME		REMARKS	

Login Sample Receipt Check List

Client: Solutia Inc.

Job Number: 680-44226-1

SDG Number: KSX03

Login Number: 44226

List Source: TestAmerica Savannah

Creator: Hall, Karl I

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	4.0 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	
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	

Login Sample Receipt Check List

Client: Solutia Inc.

Job Number: 680-44226-1

SDG Number: KSX03

Login Number: 44233

List Source: TestAmerica Savannah

Creator: Conner, Keaton

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	3.8 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	Client requested lab to dispose of 01S and 01D samples.
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	
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	

Login Sample Receipt Check List

Client: Solutia Inc.

Job Number: 680-44226-1

SDG Number: KSX03

Login Number: 44288

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	6.0 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	Client corrected ID on COC for -15D.
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	