

US EPA ARCHIVE DOCUMENT

## ANALYTICAL REPORT

Job Number: 680-44317-1

SDG Number: KSX04

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  
2/27/2009 2:30 PM

Lidya Gulizia

Project Manager I

lidya.gulizia@testamericainc.com

02/27/2009

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](http://www.testamericainc.com)



**Job Narrative**  
**680-J44317-1 / SDG No. KSX004**

**Receipt**

Method(s) 8260B: Volatile laboratory received only two vials.

All other 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-027-10-11-S (680-44330-4), WGK-BIGMO-BAS-19I-14.5-15-S (680-44330-2), WGK-BIGMO-BAS-20I-14.5-15-S (680-44330-3).

Method(s) 8260B: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: WGK-BIGMO-BAS-04D-14.5-15-S (680-44317-8), WGK-BIGMO-BAS-04S-7.5-8-S (680-44317-9), WGK-BIGMO-BAS-11S-10-10.5-S (680-44317-4), WGK-BIGMO-BAS-12D-14.5-15-S (680-44317-5), WGK-BIGMO-BAS-13D-15-15.5-S (680-44317-6), WGK-BIGMO-BAS-14S-7.5-8-S (680-44317-7), WGK-BIGMO-BAS-17S-7.5-8-S (680-44317-2), WGK-BIGMO-BAS-18D-14-14.5-S (680-44317-3), WGK-BIGMO-BAS-20I-14.5-15-S (680-44330-3 MS), WGK-BIGMO-BAS-20I-14.5-15-S (680-44330-3 MSD), WGK-BIGMO-BAS-21I-14.75-15.25-S (680-44330-5), WGK-BIGMO-BAS-22I-14.5-15-S (680-44330-6), WGK-BIGMO-BAS-04S-7.5-8-S (680-44317-9), WGK-BIGMO-BAS-026-9-9.5-S (680-44317-12), WGK-BIGMO-BAS-18D-14-14.5-MS (680-44317-3 MS), WGK-BIGMO-BAS-18D-14-14.5-MSD (680-44317-3 MSD), WGK-BIGMO-BAS-01D-13.5-14-S (680-44317-11), WGK-BIGMO-BAS-01S-7.5-8-S (680-44317-10).

Method(s) 8260B: Matrix spikes for the project samples could not be recovered due to high abundance of target analytes which required sample dilution.

No other analytical or quality issues were noted.

**General Chemistry**

No analytical or quality issues were noted.

**VOA Prep**

Method(s) 5035: The Encore vials submitted for the following sample(s) contained significantly greater than 5 grams: WGK-BIGMO-BAS-01S-7.5-8-S (680-44317-10), WGK-BIGMO-BAS-026-9-9.5-S (680-44317-12), WGK-BIGMO-BAS-12D-14.5-15-S (680-44317-5).

Method(s) 5035: The Encore vials submitted for the following sample(s) contained significantly less than 5 grams: WGK-BIGMO-BAS-027-10-11-S (680-44330-4).

Method(s) 5035: The Encore vials submitted for the following sample(s) contained significantly greater than 5 grams: WGK-BIGMO-BAS-027-10-11-S (680-44330-4), WGK-BIGMO-BAS-19I-14.5-15-S (680-44330-2), WGK-BIGMO-BAS-20I-14.5-15-S (680-44330-3 MSD), WGK-BIGMO-BAS-22I-14.5-15-S (680-44330-6).

No other analytical or quality issues were noted.

**Comments**

No additional comments.

## METHOD SUMMARY

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

| 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: 680-44317-1

Sdg Number: KXS04

| Method      | Analyst              | Analyst ID |
|-------------|----------------------|------------|
| SW846 8260B | Lanier, Carolyn      | CL         |
| SW846 8260B | LeSeane, Latika Rene | LL         |
| SW846 8260B | Sokolin, Eleina      | ES         |

## SAMPLE SUMMARY

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

| Lab Sample ID  | Client Sample ID                    | Client Matrix | Date/Time<br>Sampled | Date/Time<br>Received |
|----------------|-------------------------------------|---------------|----------------------|-----------------------|
| 680-44317-1TB  | WGK-BIGMO-BAS-TB3-T<br>B            | Water         | 01/29/2009 0000      | 01/30/2009 1043       |
| 680-44317-2    | WGK-BIGMO-BAS-17S-7.<br>5-8-S       | Solid         | 01/29/2009 0840      | 01/30/2009 1043       |
| 680-44317-3    | WGK-BIGMO-BAS-18D-14<br>-14.5-S     | Solid         | 01/29/2009 0935      | 01/30/2009 1043       |
| 680-44317-4    | WGK-BIGMO-BAS-11S-10<br>-10.5-S     | Solid         | 01/29/2009 1150      | 01/30/2009 1043       |
| 680-44317-5    | WGK-BIGMO-BAS-12D-14<br>.5-15-S     | Solid         | 01/29/2009 1255      | 01/30/2009 1043       |
| 680-44317-6    | WGK-BIGMO-BAS-13D-15<br>-15.5-S     | Solid         | 01/29/2009 1410      | 01/30/2009 1043       |
| 680-44317-7    | WGK-BIGMO-BAS-14S-7.<br>5-8-S       | Solid         | 01/29/2009 1505      | 01/30/2009 1043       |
| 680-44317-8    | WGK-BIGMO-BAS-04D-14<br>.5-15-S     | Solid         | 01/29/2009 1540      | 01/30/2009 1043       |
| 680-44317-9    | WGK-BIGMO-BAS-04S-7.<br>5-8-S       | Solid         | 01/29/2009 1600      | 01/30/2009 1043       |
| 680-44317-10   | WGK-BIGMO-BAS-01S-7.<br>5-8-S       | Solid         | 01/29/2009 1640      | 01/30/2009 1043       |
| 680-44317-11   | WGK-BIGMO-BAS-01D-13<br>.5-14-S     | Solid         | 01/29/2009 1645      | 01/30/2009 1043       |
| 680-44317-12   | WGK-BIGMO-BAS-026-9-<br>9.5-S       | Solid         | 01/29/2009 1405      | 01/30/2009 1043       |
| 680-44330-1TB  | WGK-BIGMO-BAS-TB1-T<br>B            | Water         | 01/30/2009 0000      | 01/31/2009 0950       |
| 680-44330-2    | WGK-BIGMO-BAS-19I-14.<br>5-15-S     | Solid         | 01/30/2009 0805      | 01/31/2009 0950       |
| 680-44330-3    | WGK-BIGMO-BAS-20I-14.<br>5-15-S     | Solid         | 01/30/2009 0830      | 01/31/2009 0950       |
| 680-44330-3MS  | WGK-BIGMO-BAS-20I-14.<br>5-15-S     | Solid         | 01/30/2009 0830      | 01/31/2009 0950       |
| 680-44330-3MSD | WGK-BIGMO-BAS-20I-14.<br>5-15-S     | Solid         | 01/30/2009 0830      | 01/31/2009 0950       |
| 680-44330-4    | WGK-BIGMO-BAS-027-10<br>-11-S       | Solid         | 01/30/2009 0815      | 01/31/2009 0950       |
| 680-44330-5    | WGK-BIGMO-BAS-21I-14.<br>75-15.25-S | Solid         | 01/30/2009 0950      | 01/31/2009 0950       |
| 680-44330-6    | WGK-BIGMO-BAS-22I-14.<br>5-15-S     | Solid         | 01/30/2009 1005      | 01/31/2009 0950       |

## SAMPLE RESULTS

# Analytical Data

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-TB3-TB

Lab Sample ID: 680-44317-1TB

Date Sampled: 01/29/2009 0000

Client Matrix: Water

Date Received: 01/30/2009 1043

## 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129700

Instrument ID: GC/MS Volatiles - A C2

Preparation: 5030B

Lab File ID: a1384.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 02/10/2009 1411

Final Weight/Volume: 5 mL

Date Prepared: 02/10/2009 1411

| 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: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-TB3-TB

Lab Sample ID: 680-44317-1TB

Date Sampled: 01/29/2009 0000

Client Matrix: Water

Date Received: 01/30/2009 1043

## 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129700

Instrument ID: GC/MS Volatiles - A C2

Preparation: 5030B

Lab File ID: a1384.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 02/10/2009 1411

Final Weight/Volume: 5 mL

Date Prepared: 02/10/2009 1411

| 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 | 92   | 75 - 120          |
| Dibromofluoromethane | 106  | 75 - 121          |
| Toluene-d8 (Surr)    | 100  | 75 - 120          |

## Analytical Data

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-17S-7.5-8-S

Lab Sample ID: 680-44317-2

Date Sampled: 01/29/2009 0840

Client Matrix: Solid

% Moisture: 41.3

Date Received: 01/30/2009 1043

### 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129322

Lab File ID: I0099.d

Dilution: 20000

Initial Weight/Volume: 7.8 g

Date Analyzed: 02/10/2009 1656

Final Weight/Volume: 10 g

Date Prepared: 02/05/2009 1552

| Analyte                     | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL     | RL      |
|-----------------------------|--------------------|----------------|-----------|---------|---------|
| Acetone                     |                    | 2200000        | U         | 190000  | 2200000 |
| Acetonitrile                |                    | 8700000        | U         | 2000000 | 8700000 |
| Carbon disulfide            |                    | 220000         | U         | 52000   | 220000  |
| Acrolein                    |                    | 4400000        | U         | 830000  | 4400000 |
| Acrylonitrile               |                    | 4400000        | U         | 1000000 | 4400000 |
| Benzene                     |                    | 2900000        |           | 35000   | 220000  |
| Dichlorobromomethane        |                    | 220000         | U         | 36000   | 220000  |
| Bromoform                   |                    | 220000         | U         | 48000   | 220000  |
| Bromomethane                |                    | 220000         | U         | 70000   | 220000  |
| 2-Butanone (MEK)            |                    | 1100000        | U         | 120000  | 1100000 |
| Carbon tetrachloride        |                    | 220000         | U         | 44000   | 220000  |
| Chlorobenzene               |                    | 220000         | U         | 32000   | 220000  |
| Chloroethane                |                    | 220000         | U         | 52000   | 220000  |
| Chloroform                  |                    | 220000         | U         | 22000   | 220000  |
| Chloromethane               |                    | 220000         | U         | 31000   | 220000  |
| 2-Chloro-1,3-butadiene      |                    | 220000         | U         | 25000   | 220000  |
| 3-Chloro-1-propene          |                    | 220000         | U         | 66000   | 220000  |
| Chlorodibromomethane        |                    | 220000         | U         | 22000   | 220000  |
| 1,2-Dibromo-3-Chloropropane |                    | 440000         | U         | 120000  | 440000  |
| Ethylene Dibromide          |                    | 220000         | U         | 66000   | 220000  |
| Dibromomethane              |                    | 220000         | U         | 52000   | 220000  |
| trans-1,4-Dichloro-2-butene |                    | 440000         | U         | 140000  | 440000  |
| Dichlorodifluoromethane     |                    | 220000         | U         | 39000   | 220000  |
| 1,1-Dichloroethane          |                    | 220000         | U         | 22000   | 220000  |
| 1,2-Dichloroethane          |                    | 220000         | U         | 44000   | 220000  |
| 1,1-Dichloroethene          |                    | 220000         | U         | 24000   | 220000  |
| 1,2-Dichlorobenzene         |                    | 220000         | U         | 28000   | 220000  |
| trans-1,2-Dichloroethene    |                    | 220000         | U         | 42000   | 220000  |
| 1,2-Dichloropropane         |                    | 220000         | U         | 48000   | 220000  |
| 1,3-Dichlorobenzene         |                    | 220000         | U         | 36000   | 220000  |
| 1,4-Dichlorobenzene         |                    | 150000         | J         | 22000   | 220000  |
| cis-1,3-Dichloropropene     |                    | 220000         | U         | 38000   | 220000  |
| trans-1,3-Dichloropropene   |                    | 220000         | U         | 38000   | 220000  |
| Ethylbenzene                |                    | 220000         | U         | 33000   | 220000  |
| Ethyl methacrylate          |                    | 220000         | U         | 96000   | 220000  |
| 2-Hexanone                  |                    | 1100000        | U         | 92000   | 1100000 |
| Iodomethane                 |                    | 220000         | U         | 44000   | 220000  |
| Isobutyl alcohol            |                    | 8700000        | U         | 3000000 | 8700000 |
| Methacrylonitrile           |                    | 4400000        | U         | 1000000 | 4400000 |
| Methylene Chloride          |                    | 220000         | U         | 44000   | 220000  |
| Methyl methacrylate         |                    | 220000         | U         | 160000  | 220000  |
| 4-Methyl-2-pentanone (MIBK) |                    | 1100000        | U         | 130000  | 1100000 |
| Pentachloroethane           |                    | 1100000        | U         | 96000   | 1100000 |
| Propionitrile               |                    | 4400000        | U         | 920000  | 4400000 |

## Analytical Data

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

Client Sample ID: **WGK-BIGMO-BAS-17S-7.5-8-S**

Lab Sample ID: 680-44317-2

Date Sampled: 01/29/2009 0840

Client Matrix: Solid

% Moisture: 41.3

Date Received: 01/30/2009 1043

### 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129322

Lab File ID: I0099.d

Dilution: 20000

Initial Weight/Volume: 7.8 g

Date Analyzed: 02/10/2009 1656

Final Weight/Volume: 10 g

Date Prepared: 02/05/2009 1552

| Analyte                   | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL    | RL     |
|---------------------------|--------------------|----------------|-----------|--------|--------|
| Styrene                   |                    | 220000         | U         | 29000  | 220000 |
| 1,1,1,2-Tetrachloroethane |                    | 220000         | U         | 28000  | 220000 |
| 1,1,2,2-Tetrachloroethane |                    | 220000         | U         | 61000  | 220000 |
| Tetrachloroethene         |                    | 220000         | U         | 32000  | 220000 |
| Toluene                   |                    | 220000         | U         | 35000  | 220000 |
| 1,1,1-Trichloroethane     |                    | 220000         | U         | 25000  | 220000 |
| 1,1,2-Trichloroethane     |                    | 220000         | U         | 52000  | 220000 |
| Trichloroethene           |                    | 220000         | U         | 44000  | 220000 |
| Trichlorofluoromethane    |                    | 220000         | U         | 66000  | 220000 |
| 1,2,3-Trichloropropane    |                    | 220000         | U         | 61000  | 220000 |
| Vinyl acetate             |                    | 440000         | U         | 66000  | 440000 |
| Vinyl chloride            |                    | 220000         | U         | 25000  | 220000 |
| Xylenes, Total            |                    | 440000         | U         | 100000 | 440000 |

| 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: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-18D-14-14.5-S

Lab Sample ID: 680-44317-3

Date Sampled: 01/29/2009 0935

Client Matrix: Solid

% Moisture: 25.7

Date Received: 01/30/2009 1043

### 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129322

Lab File ID: I0100.d

Dilution: 50000

Initial Weight/Volume: 9.3 g

Date Analyzed: 02/10/2009 1717

Final Weight/Volume: 5 g

Date Prepared: 02/05/2009 1552

| Analyte                     | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL     | RL      |
|-----------------------------|--------------------|----------------|-----------|---------|---------|
| Acetone                     |                    | 1800000        | U         | 160000  | 1800000 |
| Acetonitrile                |                    | 7200000        | U         | 1600000 | 7200000 |
| Carbon disulfide            |                    | 180000         | U         | 43000   | 180000  |
| Acrolein                    |                    | 3600000        | U         | 690000  | 3600000 |
| Acrylonitrile               |                    | 3600000        | U         | 830000  | 3600000 |
| Benzene                     |                    | 3200000        |           | 29000   | 180000  |
| Dichlorobromomethane        |                    | 180000         | U         | 30000   | 180000  |
| Bromoform                   |                    | 180000         | U         | 40000   | 180000  |
| Bromomethane                |                    | 180000         | U         | 58000   | 180000  |
| 2-Butanone (MEK)            |                    | 900000         | U         | 98000   | 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         | 20000   | 180000  |
| 1,2-Dichlorobenzene         |                    | 180000         | U         | 24000   | 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         |                    | 50000          | J         | 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         | 80000   | 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         | 80000   | 900000  |
| Propionitrile               |                    | 3600000        | U         | 760000  | 3600000 |

## Analytical Data

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-18D-14-14.5-S

Lab Sample ID: 680-44317-3

Date Sampled: 01/29/2009 0935

Client Matrix: Solid

% Moisture: 25.7

Date Received: 01/30/2009 1043

## 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129322

Lab File ID: I0100.d

Dilution: 50000

Initial Weight/Volume: 9.3 g

Date Analyzed: 02/10/2009 1717

Final Weight/Volume: 5 g

Date Prepared: 02/05/2009 1552

| 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         | 29000 | 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: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-11S-10-10.5-S

Lab Sample ID: 680-44317-4

Date Sampled: 01/29/2009 1150

Client Matrix: Solid

% Moisture: 26.1

Date Received: 01/30/2009 1043

## 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129322

Lab File ID: I0101.d

Dilution: 50000

Initial Weight/Volume: 7.4 g

Date Analyzed: 02/10/2009 1738

Final Weight/Volume: 5 g

Date Prepared: 02/05/2009 1552

| Analyte                     | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL     | RL      |
|-----------------------------|--------------------|----------------|-----------|---------|---------|
| Acetone                     |                    | 2300000        | U         | 200000  | 2300000 |
| Acetonitrile                |                    | 9100000        | U         | 2100000 | 9100000 |
| Carbon disulfide            |                    | 230000         | U         | 55000   | 230000  |
| Acrolein                    |                    | 4600000        | U         | 870000  | 4600000 |
| Acrylonitrile               |                    | 4600000        | U         | 1100000 | 4600000 |
| Benzene                     |                    | 6300000        |           | 36000   | 230000  |
| Dichlorobromomethane        |                    | 230000         | U         | 38000   | 230000  |
| Bromoform                   |                    | 230000         | U         | 50000   | 230000  |
| Bromomethane                |                    | 230000         | U         | 73000   | 230000  |
| 2-Butanone (MEK)            |                    | 1100000        | U         | 120000  | 1100000 |
| Carbon tetrachloride        |                    | 230000         | U         | 46000   | 230000  |
| Chlorobenzene               |                    | 230000         | U         | 33000   | 230000  |
| Chloroethane                |                    | 230000         | U         | 55000   | 230000  |
| Chloroform                  |                    | 230000         | U         | 23000   | 230000  |
| Chloromethane               |                    | 230000         | U         | 32000   | 230000  |
| 2-Chloro-1,3-butadiene      |                    | 230000         | U         | 26000   | 230000  |
| 3-Chloro-1-propene          |                    | 230000         | U         | 69000   | 230000  |
| Chlorodibromomethane        |                    | 230000         | U         | 23000   | 230000  |
| 1,2-Dibromo-3-Chloropropane |                    | 460000         | U         | 130000  | 460000  |
| Ethylene Dibromide          |                    | 230000         | U         | 69000   | 230000  |
| Dibromomethane              |                    | 230000         | U         | 55000   | 230000  |
| trans-1,4-Dichloro-2-butene |                    | 460000         | U         | 140000  | 460000  |
| Dichlorodifluoromethane     |                    | 230000         | U         | 41000   | 230000  |
| 1,1-Dichloroethane          |                    | 230000         | U         | 23000   | 230000  |
| 1,2-Dichloroethane          |                    | 230000         | U         | 46000   | 230000  |
| 1,1-Dichloroethene          |                    | 230000         | U         | 25000   | 230000  |
| 1,2-Dichlorobenzene         |                    | 230000         | U         | 30000   | 230000  |
| trans-1,2-Dichloroethene    |                    | 230000         | U         | 44000   | 230000  |
| 1,2-Dichloropropane         |                    | 230000         | U         | 50000   | 230000  |
| 1,3-Dichlorobenzene         |                    | 230000         | U         | 38000   | 230000  |
| 1,4-Dichlorobenzene         |                    | 230000         | U         | 23000   | 230000  |
| cis-1,3-Dichloropropene     |                    | 230000         | U         | 40000   | 230000  |
| trans-1,3-Dichloropropene   |                    | 230000         | U         | 40000   | 230000  |
| Ethylbenzene                |                    | 230000         | U         | 34000   | 230000  |
| Ethyl methacrylate          |                    | 230000         | U         | 100000  | 230000  |
| 2-Hexanone                  |                    | 1100000        | U         | 96000   | 1100000 |
| Iodomethane                 |                    | 230000         | U         | 46000   | 230000  |
| Isobutyl alcohol            |                    | 9100000        | U         | 3200000 | 9100000 |
| Methacrylonitrile           |                    | 4600000        | U         | 1100000 | 4600000 |
| Methylene Chloride          |                    | 230000         | U         | 46000   | 230000  |
| Methyl methacrylate         |                    | 230000         | U         | 170000  | 230000  |
| 4-Methyl-2-pentanone (MIBK) |                    | 1100000        | U         | 130000  | 1100000 |
| Pentachloroethane           |                    | 1100000        | U         | 100000  | 1100000 |
| Propionitrile               |                    | 4600000        | U         | 960000  | 4600000 |

## Analytical Data

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KXS04

Client Sample ID: WGK-BIGMO-BAS-11S-10-10.5-S

Lab Sample ID: 680-44317-4

Date Sampled: 01/29/2009 1150

Client Matrix: Solid

% Moisture: 26.1

Date Received: 01/30/2009 1043

## 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129322

Lab File ID: I0101.d

Dilution: 50000

Initial Weight/Volume: 7.4 g

Date Analyzed: 02/10/2009 1738

Final Weight/Volume: 5 g

Date Prepared: 02/05/2009 1552

| Analyte                   | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL    | RL     |
|---------------------------|--------------------|----------------|-----------|--------|--------|
| Styrene                   |                    | 230000         | U         | 30000  | 230000 |
| 1,1,1,2-Tetrachloroethane |                    | 230000         | U         | 29000  | 230000 |
| 1,1,2,2-Tetrachloroethane |                    | 230000         | U         | 64000  | 230000 |
| Tetrachloroethene         |                    | 230000         | U         | 33000  | 230000 |
| Toluene                   |                    | 230000         | U         | 36000  | 230000 |
| 1,1,1-Trichloroethane     |                    | 230000         | U         | 27000  | 230000 |
| 1,1,2-Trichloroethane     |                    | 230000         | U         | 55000  | 230000 |
| Trichloroethene           |                    | 230000         | U         | 46000  | 230000 |
| Trichlorofluoromethane    |                    | 230000         | U         | 69000  | 230000 |
| 1,2,3-Trichloropropane    |                    | 230000         | U         | 64000  | 230000 |
| Vinyl acetate             |                    | 460000         | U         | 69000  | 460000 |
| Vinyl chloride            |                    | 230000         | U         | 27000  | 230000 |
| Xylenes, Total            |                    | 460000         | U         | 110000 | 460000 |

| 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: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-12D-14.5-15-S

Lab Sample ID: 680-44317-5

Date Sampled: 01/29/2009 1255

Client Matrix: Solid

% Moisture: 25.4

Date Received: 01/30/2009 1043

### 8260B Volatile Organic Compounds (GC/MS)

|                |                 |                 |            |                        |                     |
|----------------|-----------------|-----------------|------------|------------------------|---------------------|
| Method:        | 8260B           | Analysis Batch: | 680-129740 | Instrument ID:         | GC/MS Volatiles - L |
| Preparation:   | 5035            | Prep Batch:     | 680-129322 | Lab File ID:           | I0102.d             |
| Dilution:      | 20000           |                 |            | Initial Weight/Volume: | 8.7 g               |
| Date Analyzed: | 02/10/2009 1759 |                 |            | Final Weight/Volume:   | 5 g                 |
| Date Prepared: | 02/05/2009 1552 |                 |            |                        |                     |

| Analyte                     | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL     | RL      |
|-----------------------------|--------------------|----------------|-----------|---------|---------|
| Acetone                     |                    | 770000         | U         | 68000   | 770000  |
| Acetonitrile                |                    | 3100000        | U         | 690000  | 3100000 |
| Carbon disulfide            |                    | 77000          | U         | 18000   | 77000   |
| Acrolein                    |                    | 1500000        | U         | 290000  | 1500000 |
| Acrylonitrile               |                    | 1500000        | U         | 350000  | 1500000 |
| Benzene                     |                    | 2800000        |           | 12000   | 77000   |
| Dichlorobromomethane        |                    | 77000          | U         | 13000   | 77000   |
| Bromoform                   |                    | 77000          | U         | 17000   | 77000   |
| Bromomethane                |                    | 77000          | U         | 25000   | 77000   |
| 2-Butanone (MEK)            |                    | 390000         | U         | 42000   | 390000  |
| Carbon tetrachloride        |                    | 77000          | U         | 15000   | 77000   |
| Chlorobenzene               |                    | 77000          | U         | 11000   | 77000   |
| Chloroethane                |                    | 77000          | U         | 18000   | 77000   |
| Chloroform                  |                    | 77000          | U         | 7700    | 77000   |
| Chloromethane               |                    | 77000          | U         | 11000   | 77000   |
| 2-Chloro-1,3-butadiene      |                    | 77000          | U         | 8800    | 77000   |
| 3-Chloro-1-propene          |                    | 77000          | U         | 23000   | 77000   |
| Chlorodibromomethane        |                    | 77000          | U         | 7700    | 77000   |
| 1,2-Dibromo-3-Chloropropane |                    | 150000         | U         | 43000   | 150000  |
| Ethylene Dibromide          |                    | 77000          | U         | 23000   | 77000   |
| Dibromomethane              |                    | 77000          | U         | 18000   | 77000   |
| trans-1,4-Dichloro-2-butene |                    | 150000         | U         | 48000   | 150000  |
| Dichlorodifluoromethane     |                    | 77000          | U         | 14000   | 77000   |
| 1,1-Dichloroethane          |                    | 77000          | U         | 7700    | 77000   |
| 1,2-Dichloroethane          |                    | 77000          | U         | 15000   | 77000   |
| 1,1-Dichloroethene          |                    | 77000          | U         | 8300    | 77000   |
| 1,2-Dichlorobenzene         |                    | 77000          | U         | 10000   | 77000   |
| trans-1,2-Dichloroethene    |                    | 77000          | U         | 15000   | 77000   |
| 1,2-Dichloropropane         |                    | 77000          | U         | 17000   | 77000   |
| 1,3-Dichlorobenzene         |                    | 77000          | U         | 13000   | 77000   |
| 1,4-Dichlorobenzene         |                    | 13000          | J         | 7900    | 77000   |
| cis-1,3-Dichloropropene     |                    | 77000          | U         | 13000   | 77000   |
| trans-1,3-Dichloropropene   |                    | 77000          | U         | 13000   | 77000   |
| Ethylbenzene                |                    | 77000          | U         | 12000   | 77000   |
| Ethyl methacrylate          |                    | 77000          | U         | 34000   | 77000   |
| 2-Hexanone                  |                    | 390000         | U         | 32000   | 390000  |
| Iodomethane                 |                    | 77000          | U         | 15000   | 77000   |
| Isobutyl alcohol            |                    | 3100000        | U         | 1100000 | 3100000 |
| Methacrylonitrile           |                    | 1500000        | U         | 370000  | 1500000 |
| Methylene Chloride          |                    | 77000          | U         | 15000   | 77000   |
| Methyl methacrylate         |                    | 77000          | U         | 57000   | 77000   |
| 4-Methyl-2-pentanone (MIBK) |                    | 390000         | U         | 45000   | 390000  |
| Pentachloroethane           |                    | 390000         | U         | 34000   | 390000  |
| Propionitrile               |                    | 1500000        | U         | 320000  | 1500000 |



## Analytical Data

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-12D-14.5-15-S

Lab Sample ID: 680-44317-5

Date Sampled: 01/29/2009 1255

Client Matrix: Solid

% Moisture: 25.4

Date Received: 01/30/2009 1043

### 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129322

Lab File ID: I0102.d

Dilution: 20000

Initial Weight/Volume: 8.7 g

Date Analyzed: 02/10/2009 1759

Final Weight/Volume: 5 g

Date Prepared: 02/05/2009 1552

| Analyte                   | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL   | RL     |
|---------------------------|--------------------|----------------|-----------|-------|--------|
| Styrene                   |                    | 77000          | U         | 10000 | 77000  |
| 1,1,1,2-Tetrachloroethane |                    | 77000          | U         | 9900  | 77000  |
| 1,1,2,2-Tetrachloroethane |                    | 77000          | U         | 22000 | 77000  |
| Tetrachloroethene         |                    | 77000          | U         | 11000 | 77000  |
| Toluene                   |                    | 77000          | U         | 12000 | 77000  |
| 1,1,1-Trichloroethane     |                    | 77000          | U         | 8900  | 77000  |
| 1,1,2-Trichloroethane     |                    | 77000          | U         | 18000 | 77000  |
| Trichloroethene           |                    | 77000          | U         | 15000 | 77000  |
| Trichlorofluoromethane    |                    | 77000          | U         | 23000 | 77000  |
| 1,2,3-Trichloropropane    |                    | 77000          | U         | 22000 | 77000  |
| Vinyl acetate             |                    | 150000         | U         | 23000 | 150000 |
| Vinyl chloride            |                    | 77000          | U         | 8900  | 77000  |
| Xylenes, Total            |                    | 150000         | U         | 35000 | 150000 |

| 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: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-13D-15-15.5-S

Lab Sample ID: 680-44317-6

Date Sampled: 01/29/2009 1410

Client Matrix: Solid

% Moisture: 19.3

Date Received: 01/30/2009 1043

### 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129322

Lab File ID: I0103.d

Dilution: 20000

Initial Weight/Volume: 8.9 g

Date Analyzed: 02/10/2009 1820

Final Weight/Volume: 5 g

Date Prepared: 02/05/2009 1552

| 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         | 14000  | 70000   |
| 1,2-Dichloropropane         |                    | 70000          | U         | 15000  | 70000   |
| 1,3-Dichlorobenzene         |                    | 70000          | U         | 12000  | 70000   |
| 1,4-Dichlorobenzene         |                    | 12000          | J         | 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         | 52000  | 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: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-13D-15-15.5-S

Lab Sample ID: 680-44317-6

Date Sampled: 01/29/2009 1410

Client Matrix: Solid

% Moisture: 19.3

Date Received: 01/30/2009 1043

### 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129322

Lab File ID: I0103.d

Dilution: 20000

Initial Weight/Volume: 8.9 g

Date Analyzed: 02/10/2009 1820

Final Weight/Volume: 5 g

Date Prepared: 02/05/2009 1552

| 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: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-14S-7.5-8-S

Lab Sample ID: 680-44317-7

Date Sampled: 01/29/2009 1505

Client Matrix: Solid

% Moisture: 21.6

Date Received: 01/30/2009 1043

## 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129322

Lab File ID: I0104.d

Dilution: 20000

Initial Weight/Volume: 3.2 g

Date Analyzed: 02/10/2009 1841

Final Weight/Volume: 5 g

Date Prepared: 02/05/2009 1552

| Analyte                     | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL     | RL      |
|-----------------------------|--------------------|----------------|-----------|---------|---------|
| Acetone                     |                    | 2000000        | U         | 180000  | 2000000 |
| Acetonitrile                |                    | 8000000        | U         | 1800000 | 8000000 |
| Carbon disulfide            |                    | 200000         | U         | 48000   | 200000  |
| Acrolein                    |                    | 4000000        | U         | 760000  | 4000000 |
| Acrylonitrile               |                    | 4000000        | U         | 920000  | 4000000 |
| Benzene                     |                    | 2300000        |           | 32000   | 200000  |
| Dichlorobromomethane        |                    | 200000         | U         | 33000   | 200000  |
| Bromoform                   |                    | 200000         | U         | 44000   | 200000  |
| Bromomethane                |                    | 200000         | U         | 64000   | 200000  |
| 2-Butanone (MEK)            |                    | 1000000        | U         | 110000  | 1000000 |
| Carbon tetrachloride        |                    | 200000         | U         | 40000   | 200000  |
| Chlorobenzene               |                    | 200000         | U         | 29000   | 200000  |
| Chloroethane                |                    | 200000         | U         | 48000   | 200000  |
| Chloroform                  |                    | 200000         | U         | 20000   | 200000  |
| Chloromethane               |                    | 200000         | U         | 28000   | 200000  |
| 2-Chloro-1,3-butadiene      |                    | 200000         | U         | 23000   | 200000  |
| 3-Chloro-1-propene          |                    | 200000         | U         | 60000   | 200000  |
| Chlorodibromomethane        |                    | 200000         | U         | 20000   | 200000  |
| 1,2-Dibromo-3-Chloropropane |                    | 400000         | U         | 110000  | 400000  |
| Ethylene Dibromide          |                    | 200000         | U         | 60000   | 200000  |
| Dibromomethane              |                    | 200000         | U         | 48000   | 200000  |
| trans-1,4-Dichloro-2-butene |                    | 400000         | U         | 120000  | 400000  |
| Dichlorodifluoromethane     |                    | 200000         | U         | 35000   | 200000  |
| 1,1-Dichloroethane          |                    | 200000         | U         | 20000   | 200000  |
| 1,2-Dichloroethane          |                    | 200000         | U         | 40000   | 200000  |
| 1,1-Dichloroethene          |                    | 200000         | U         | 22000   | 200000  |
| 1,2-Dichlorobenzene         |                    | 200000         | U         | 26000   | 200000  |
| trans-1,2-Dichloroethene    |                    | 200000         | U         | 39000   | 200000  |
| 1,2-Dichloropropane         |                    | 200000         | U         | 44000   | 200000  |
| 1,3-Dichlorobenzene         |                    | 200000         | U         | 33000   | 200000  |
| 1,4-Dichlorobenzene         |                    | 200000         | U         | 20000   | 200000  |
| cis-1,3-Dichloropropene     |                    | 200000         | U         | 35000   | 200000  |
| trans-1,3-Dichloropropene   |                    | 200000         | U         | 35000   | 200000  |
| Ethylbenzene                |                    | 200000         | U         | 30000   | 200000  |
| Ethyl methacrylate          |                    | 200000         | U         | 88000   | 200000  |
| 2-Hexanone                  |                    | 1000000        | U         | 84000   | 1000000 |
| Iodomethane                 |                    | 200000         | U         | 40000   | 200000  |
| Isobutyl alcohol            |                    | 8000000        | U         | 2800000 | 8000000 |
| Methacrylonitrile           |                    | 4000000        | U         | 960000  | 4000000 |
| Methylene Chloride          |                    | 200000         | U         | 40000   | 200000  |
| Methyl methacrylate         |                    | 200000         | U         | 150000  | 200000  |
| 4-Methyl-2-pentanone (MIBK) |                    | 1000000        | U         | 120000  | 1000000 |
| Pentachloroethane           |                    | 1000000        | U         | 88000   | 1000000 |
| Propionitrile               |                    | 4000000        | U         | 840000  | 4000000 |

## Analytical Data

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KXS04

Client Sample ID: WGK-BIGMO-BAS-14S-7.5-8-S

Lab Sample ID: 680-44317-7

Date Sampled: 01/29/2009 1505

Client Matrix: Solid

% Moisture: 21.6

Date Received: 01/30/2009 1043

### 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129322

Lab File ID: I0104.d

Dilution: 20000

Initial Weight/Volume: 3.2 g

Date Analyzed: 02/10/2009 1841

Final Weight/Volume: 5 g

Date Prepared: 02/05/2009 1552

| Analyte                   | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL   | RL     |
|---------------------------|--------------------|----------------|-----------|-------|--------|
| Styrene                   |                    | 200000         | U         | 26000 | 200000 |
| 1,1,1,2-Tetrachloroethane |                    | 200000         | U         | 26000 | 200000 |
| 1,1,2,2-Tetrachloroethane |                    | 200000         | U         | 56000 | 200000 |
| Tetrachloroethene         |                    | 200000         | U         | 29000 | 200000 |
| Toluene                   |                    | 200000         | U         | 32000 | 200000 |
| 1,1,1-Trichloroethane     |                    | 200000         | U         | 23000 | 200000 |
| 1,1,2-Trichloroethane     |                    | 200000         | U         | 48000 | 200000 |
| Trichloroethene           |                    | 200000         | U         | 40000 | 200000 |
| Trichlorofluoromethane    |                    | 200000         | U         | 60000 | 200000 |
| 1,2,3-Trichloropropane    |                    | 200000         | U         | 56000 | 200000 |
| Vinyl acetate             |                    | 400000         | U         | 60000 | 400000 |
| Vinyl chloride            |                    | 200000         | U         | 23000 | 200000 |
| Xylenes, Total            |                    | 400000         | U         | 92000 | 400000 |

| 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: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-04D-14.5-15-S

Lab Sample ID: 680-44317-8

Date Sampled: 01/29/2009 1540

Client Matrix: Solid

% Moisture: 22.8

Date Received: 01/30/2009 1043

## 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129322

Lab File ID: I0105.d

Dilution: 50000

Initial Weight/Volume: 9.0 g

Date Analyzed: 02/10/2009 1903

Final Weight/Volume: 5 g

Date Prepared: 02/05/2009 1552

| Analyte                     | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL     | RL      |
|-----------------------------|--------------------|----------------|-----------|---------|---------|
| Acetone                     |                    | 1800000        | U         | 160000  | 1800000 |
| Acetonitrile                |                    | 7200000        | U         | 1600000 | 7200000 |
| Carbon disulfide            |                    | 180000         | U         | 43000   | 180000  |
| Acrolein                    |                    | 3600000        | U         | 680000  | 3600000 |
| Acrylonitrile               |                    | 3600000        | U         | 830000  | 3600000 |
| Benzene                     |                    | 2300000        |           | 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         |                    | 59000          | J         | 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         | 860000  | 3600000 |
| Methylene Chloride          |                    | 37000          | J         | 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: 680-44317-1

Sdg Number: KXS04

Client Sample ID: WGK-BIGMO-BAS-04D-14.5-15-S

Lab Sample ID: 680-44317-8

Date Sampled: 01/29/2009 1540

Client Matrix: Solid

% Moisture: 22.8

Date Received: 01/30/2009 1043

## 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129322

Lab File ID: I0105.d

Dilution: 50000

Initial Weight/Volume: 9.0 g

Date Analyzed: 02/10/2009 1903

Final Weight/Volume: 5 g

Date Prepared: 02/05/2009 1552

| 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         | 50000 | 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         | 50000 | 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: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-04S-7.5-8-S

Lab Sample ID: 680-44317-9

Date Sampled: 01/29/2009 1600

Client Matrix: Solid

% Moisture: 15.5

Date Received: 01/30/2009 1043

## 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129322

Lab File ID: I0106.d

Dilution: 50000

Initial Weight/Volume: 5.7 g

Date Analyzed: 02/10/2009 1924

Final Weight/Volume: 5 g

Date Prepared: 02/05/2009 1552

| Analyte                     | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL     | RL       |
|-----------------------------|--------------------|----------------|-----------|---------|----------|
| Acetone                     |                    | 2600000        | U         | 230000  | 2600000  |
| Acetonitrile                |                    | 10000000       | U         | 2300000 | 10000000 |
| Carbon disulfide            |                    | 260000         | U         | 62000   | 260000   |
| Acrolein                    |                    | 5200000        | U         | 990000  | 5200000  |
| Acrylonitrile               |                    | 5200000        | U         | 1200000 | 5200000  |
| Benzene                     |                    | 5300000        |           | 41000   | 260000   |
| Dichlorobromomethane        |                    | 260000         | U         | 43000   | 260000   |
| Bromoform                   |                    | 260000         | U         | 57000   | 260000   |
| Bromomethane                |                    | 260000         | U         | 83000   | 260000   |
| 2-Butanone (MEK)            |                    | 1300000        | U         | 140000  | 1300000  |
| Carbon tetrachloride        |                    | 260000         | U         | 52000   | 260000   |
| Chlorobenzene               |                    | 260000         | U         | 38000   | 260000   |
| Chloroethane                |                    | 260000         | U         | 62000   | 260000   |
| Chloroform                  |                    | 260000         | U         | 26000   | 260000   |
| Chloromethane               |                    | 260000         | U         | 37000   | 260000   |
| 2-Chloro-1,3-butadiene      |                    | 260000         | U         | 30000   | 260000   |
| 3-Chloro-1-propene          |                    | 260000         | U         | 78000   | 260000   |
| Chlorodibromomethane        |                    | 260000         | U         | 26000   | 260000   |
| 1,2-Dibromo-3-Chloropropane |                    | 520000         | U         | 150000  | 520000   |
| Ethylene Dibromide          |                    | 260000         | U         | 78000   | 260000   |
| Dibromomethane              |                    | 260000         | U         | 62000   | 260000   |
| trans-1,4-Dichloro-2-butene |                    | 520000         | U         | 160000  | 520000   |
| Dichlorodifluoromethane     |                    | 260000         | U         | 46000   | 260000   |
| 1,1-Dichloroethane          |                    | 260000         | U         | 26000   | 260000   |
| 1,2-Dichloroethane          |                    | 260000         | U         | 52000   | 260000   |
| 1,1-Dichloroethene          |                    | 260000         | U         | 28000   | 260000   |
| 1,2-Dichlorobenzene         |                    | 260000         | U         | 34000   | 260000   |
| trans-1,2-Dichloroethene    |                    | 260000         | U         | 50000   | 260000   |
| 1,2-Dichloropropane         |                    | 260000         | U         | 57000   | 260000   |
| 1,3-Dichlorobenzene         |                    | 260000         | U         | 43000   | 260000   |
| 1,4-Dichlorobenzene         |                    | 44000          | J         | 26000   | 260000   |
| cis-1,3-Dichloropropene     |                    | 260000         | U         | 45000   | 260000   |
| trans-1,3-Dichloropropene   |                    | 260000         | U         | 45000   | 260000   |
| Ethylbenzene                |                    | 260000         | U         | 39000   | 260000   |
| Ethyl methacrylate          |                    | 260000         | U         | 110000  | 260000   |
| 2-Hexanone                  |                    | 1300000        | U         | 110000  | 1300000  |
| Iodomethane                 |                    | 260000         | U         | 52000   | 260000   |
| Isobutyl alcohol            |                    | 10000000       | U         | 3600000 | 10000000 |
| Methacrylonitrile           |                    | 5200000        | U         | 1200000 | 5200000  |
| Methylene Chloride          |                    | 260000         | U         | 52000   | 260000   |
| Methyl methacrylate         |                    | 260000         | U         | 190000  | 260000   |
| 4-Methyl-2-pentanone (MIBK) |                    | 1300000        | U         | 150000  | 1300000  |
| Pentachloroethane           |                    | 1300000        | U         | 110000  | 1300000  |
| Propionitrile               |                    | 5200000        | U         | 1100000 | 5200000  |



## Analytical Data

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-04S-7.5-8-S

Lab Sample ID: 680-44317-9

Date Sampled: 01/29/2009 1600

Client Matrix: Solid

% Moisture: 15.5

Date Received: 01/30/2009 1043

## 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129322

Lab File ID: I0106.d

Dilution: 50000

Initial Weight/Volume: 5.7 g

Date Analyzed: 02/10/2009 1924

Final Weight/Volume: 5 g

Date Prepared: 02/05/2009 1552

| Analyte                   | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL    | RL     |
|---------------------------|--------------------|----------------|-----------|--------|--------|
| Styrene                   |                    | 260000         | U         | 34000  | 260000 |
| 1,1,1,2-Tetrachloroethane |                    | 260000         | U         | 33000  | 260000 |
| 1,1,2,2-Tetrachloroethane |                    | 260000         | U         | 73000  | 260000 |
| Tetrachloroethene         |                    | 260000         | U         | 38000  | 260000 |
| Toluene                   |                    | 260000         | U         | 41000  | 260000 |
| 1,1,1-Trichloroethane     |                    | 260000         | U         | 30000  | 260000 |
| 1,1,2-Trichloroethane     |                    | 260000         | U         | 62000  | 260000 |
| Trichloroethene           |                    | 260000         | U         | 52000  | 260000 |
| Trichlorofluoromethane    |                    | 260000         | U         | 78000  | 260000 |
| 1,2,3-Trichloropropane    |                    | 260000         | U         | 73000  | 260000 |
| Vinyl acetate             |                    | 520000         | U         | 78000  | 520000 |
| Vinyl chloride            |                    | 260000         | U         | 30000  | 260000 |
| Xylenes, Total            |                    | 520000         | U         | 120000 | 520000 |

| 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: 680-44317-1

Sdg Number: KSX04

Client Sample ID: **WGK-BIGMO-BAS-01S-7.5-8-S**

Lab Sample ID: 680-44317-10

Date Sampled: 01/29/2009 1640

Client Matrix: Solid

% Moisture: 25.6

Date Received: 01/30/2009 1043

### 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129924

Instrument ID: GC/MS Volatiles - M

Preparation: 5035

Prep Batch: 680-129322

Lab File ID: m0103.d

Dilution: 10000

Initial Weight/Volume: 9.1 g

Date Analyzed: 02/12/2009 1221

Final Weight/Volume: 5 g

Date Prepared: 02/05/2009 1552

| Analyte                     | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL    | RL      |
|-----------------------------|--------------------|----------------|-----------|--------|---------|
| Acetone                     |                    | 370000         | U         | 32000  | 370000  |
| Acetonitrile                |                    | 1500000        | U         | 330000 | 1500000 |
| Carbon disulfide            |                    | 37000          | U         | 8900   | 37000   |
| Acrolein                    |                    | 740000         | U         | 140000 | 740000  |
| Acrylonitrile               |                    | 740000         | U         | 170000 | 740000  |
| Benzene                     |                    | 210000         |           | 5800   | 37000   |
| Dichlorobromomethane        |                    | 37000          | U         | 6100   | 37000   |
| Bromoform                   |                    | 37000          | U         | 8100   | 37000   |
| Bromomethane                |                    | 37000          | U         | 12000  | 37000   |
| 2-Butanone (MEK)            |                    | 180000         | U         | 20000  | 180000  |
| Carbon tetrachloride        |                    | 37000          | U         | 7400   | 37000   |
| Chlorobenzene               |                    | 37000          | U         | 5400   | 37000   |
| Chloroethane                |                    | 37000          | U         | 8900   | 37000   |
| Chloroform                  |                    | 37000          | U         | 3700   | 37000   |
| Chloromethane               |                    | 37000          | U         | 5200   | 37000   |
| 2-Chloro-1,3-butadiene      |                    | 37000          | U         | 4200   | 37000   |
| 3-Chloro-1-propene          |                    | 37000          | U         | 11000  | 37000   |
| Chlorodibromomethane        |                    | 37000          | U         | 3700   | 37000   |
| 1,2-Dibromo-3-Chloropropane |                    | 74000          | U         | 21000  | 74000   |
| Ethylene Dibromide          |                    | 37000          | U         | 11000  | 37000   |
| Dibromomethane              |                    | 37000          | U         | 8900   | 37000   |
| trans-1,4-Dichloro-2-butene |                    | 74000          | U         | 23000  | 74000   |
| Dichlorodifluoromethane     |                    | 37000          | U         | 6600   | 37000   |
| 1,1-Dichloroethane          |                    | 37000          | U         | 3700   | 37000   |
| 1,2-Dichloroethane          |                    | 37000          | U         | 7400   | 37000   |
| 1,1-Dichloroethene          |                    | 37000          | U         | 4000   | 37000   |
| 1,2-Dichlorobenzene         |                    | 37000          | U         | 4800   | 37000   |
| trans-1,2-Dichloroethene    |                    | 37000          | U         | 7200   | 37000   |
| 1,2-Dichloropropane         |                    | 37000          | U         | 8100   | 37000   |
| 1,3-Dichlorobenzene         |                    | 37000          | U         | 6100   | 37000   |
| 1,4-Dichlorobenzene         |                    | 37000          | U         | 3800   | 37000   |
| cis-1,3-Dichloropropene     |                    | 37000          | U         | 6400   | 37000   |
| trans-1,3-Dichloropropene   |                    | 37000          | U         | 6400   | 37000   |
| Ethylbenzene                |                    | 37000          | U         | 5500   | 37000   |
| Ethyl methacrylate          |                    | 37000          | U         | 16000  | 37000   |
| 2-Hexanone                  |                    | 180000         | U         | 16000  | 180000  |
| Iodomethane                 |                    | 37000          | U         | 7400   | 37000   |
| Isobutyl alcohol            |                    | 1500000        | U         | 510000 | 1500000 |
| Methacrylonitrile           |                    | 740000         | U         | 180000 | 740000  |
| Methylene Chloride          |                    | 37000          | U         | 7400   | 37000   |
| Methyl methacrylate         |                    | 37000          | U         | 27000  | 37000   |
| 4-Methyl-2-pentanone (MIBK) |                    | 180000         | U         | 21000  | 180000  |
| Pentachloroethane           |                    | 180000         | U         | 16000  | 180000  |
| Propionitrile               |                    | 740000         | U         | 160000 | 740000  |

## Analytical Data

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

Client Sample ID: **WGK-BIGMO-BAS-01S-7.5-8-S**

Lab Sample ID: 680-44317-10

Date Sampled: 01/29/2009 1640

Client Matrix: Solid

% Moisture: 25.6

Date Received: 01/30/2009 1043

### 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129924

Instrument ID: GC/MS Volatiles - M

Preparation: 5035

Prep Batch: 680-129322

Lab File ID: m0103.d

Dilution: 10000

Initial Weight/Volume: 9.1 g

Date Analyzed: 02/12/2009 1221

Final Weight/Volume: 5 g

Date Prepared: 02/05/2009 1552

| Analyte                   | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL   | RL    |
|---------------------------|--------------------|----------------|-----------|-------|-------|
| Styrene                   |                    | 37000          | U         | 4900  | 37000 |
| 1,1,1,2-Tetrachloroethane |                    | 37000          | U         | 4700  | 37000 |
| 1,1,2,2-Tetrachloroethane |                    | 37000          | U         | 10000 | 37000 |
| Tetrachloroethene         |                    | 37000          | U         | 5400  | 37000 |
| Toluene                   |                    | 37000          | U         | 5800  | 37000 |
| 1,1,1-Trichloroethane     |                    | 37000          | U         | 4300  | 37000 |
| 1,1,2-Trichloroethane     |                    | 37000          | U         | 8900  | 37000 |
| Trichloroethene           |                    | 37000          | U         | 7400  | 37000 |
| Trichlorofluoromethane    |                    | 37000          | U *       | 11000 | 37000 |
| 1,2,3-Trichloropropane    |                    | 37000          | U         | 10000 | 37000 |
| Vinyl acetate             |                    | 74000          | U         | 11000 | 74000 |
| Vinyl chloride            |                    | 37000          | U         | 4300  | 37000 |
| Xylenes, Total            |                    | 74000          | U         | 17000 | 74000 |

| 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: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-01D-13.5-14-S

Lab Sample ID: 680-44317-11

Date Sampled: 01/29/2009 1645

Client Matrix: Solid

% Moisture: 25.6

Date Received: 01/30/2009 1043

## 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129924

Instrument ID: GC/MS Volatiles - M

Preparation: 5035

Prep Batch: 680-129322

Lab File ID: m0108.d

Dilution: 20000

Initial Weight/Volume: 10.7 g

Date Analyzed: 02/12/2009 1414

Final Weight/Volume: 5 g

Date Prepared: 02/05/2009 1552

| Analyte                     | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL    | RL      |
|-----------------------------|--------------------|----------------|-----------|--------|---------|
| Acetone                     |                    | 630000         | U         | 55000  | 630000  |
| Acetonitrile                |                    | 2500000        | U         | 570000 | 2500000 |
| Carbon disulfide            |                    | 63000          | U         | 15000  | 63000   |
| Acrolein                    |                    | 1300000        | U         | 240000 | 1300000 |
| Acrylonitrile               |                    | 1300000        | U         | 290000 | 1300000 |
| Benzene                     |                    | 290000         |           | 9900   | 63000   |
| Dichlorobromomethane        |                    | 63000          | U         | 10000  | 63000   |
| Bromoform                   |                    | 63000          | U         | 14000  | 63000   |
| Bromomethane                |                    | 63000          | U         | 20000  | 63000   |
| 2-Butanone (MEK)            |                    | 310000         | U         | 34000  | 310000  |
| Carbon tetrachloride        |                    | 63000          | U         | 13000  | 63000   |
| Chlorobenzene               |                    | 63000          | U         | 9200   | 63000   |
| Chloroethane                |                    | 63000          | U         | 15000  | 63000   |
| Chloroform                  |                    | 63000          | U         | 6300   | 63000   |
| Chloromethane               |                    | 63000          | U         | 8900   | 63000   |
| 2-Chloro-1,3-butadiene      |                    | 63000          | U         | 7200   | 63000   |
| 3-Chloro-1-propene          |                    | 63000          | U         | 19000  | 63000   |
| Chlorodibromomethane        |                    | 63000          | U         | 6300   | 63000   |
| 1,2-Dibromo-3-Chloropropane |                    | 130000         | U         | 35000  | 130000  |
| Ethylene Dibromide          |                    | 63000          | U         | 19000  | 63000   |
| Dibromomethane              |                    | 63000          | U         | 15000  | 63000   |
| trans-1,4-Dichloro-2-butene |                    | 130000         | U         | 39000  | 130000  |
| Dichlorodifluoromethane     |                    | 63000          | U         | 11000  | 63000   |
| 1,1-Dichloroethane          |                    | 63000          | U         | 6300   | 63000   |
| 1,2-Dichloroethane          |                    | 63000          | U         | 13000  | 63000   |
| 1,1-Dichloroethene          |                    | 63000          | U         | 6800   | 63000   |
| 1,2-Dichlorobenzene         |                    | 63000          | U         | 8200   | 63000   |
| trans-1,2-Dichloroethene    |                    | 63000          | U         | 12000  | 63000   |
| 1,2-Dichloropropane         |                    | 63000          | U         | 14000  | 63000   |
| 1,3-Dichlorobenzene         |                    | 63000          | U         | 10000  | 63000   |
| 1,4-Dichlorobenzene         |                    | 63000          | U         | 6400   | 63000   |
| cis-1,3-Dichloropropene     |                    | 63000          | U         | 11000  | 63000   |
| trans-1,3-Dichloropropene   |                    | 63000          | U         | 11000  | 63000   |
| Ethylbenzene                |                    | 63000          | U         | 9400   | 63000   |
| Ethyl methacrylate          |                    | 63000          | U         | 28000  | 63000   |
| 2-Hexanone                  |                    | 310000         | U         | 26000  | 310000  |
| Iodomethane                 |                    | 63000          | U         | 13000  | 63000   |
| Isobutyl alcohol            |                    | 2500000        | U         | 870000 | 2500000 |
| Methacrylonitrile           |                    | 1300000        | U         | 300000 | 1300000 |
| Methylene Chloride          |                    | 63000          | U         | 13000  | 63000   |
| Methyl methacrylate         |                    | 63000          | U         | 46000  | 63000   |
| 4-Methyl-2-pentanone (MIBK) |                    | 310000         | U         | 36000  | 310000  |
| Pentachloroethane           |                    | 310000         | U         | 28000  | 310000  |
| Propionitrile               |                    | 1300000        | U         | 260000 | 1300000 |

## Analytical Data

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-01D-13.5-14-S

Lab Sample ID: 680-44317-11

Date Sampled: 01/29/2009 1645

Client Matrix: Solid

% Moisture: 25.6

Date Received: 01/30/2009 1043

## 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129924

Instrument ID: GC/MS Volatiles - M

Preparation: 5035

Prep Batch: 680-129322

Lab File ID: m0108.d

Dilution: 20000

Initial Weight/Volume: 10.7 g

Date Analyzed: 02/12/2009 1414

Final Weight/Volume: 5 g

Date Prepared: 02/05/2009 1552

| Analyte                   | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL   | RL     |
|---------------------------|--------------------|----------------|-----------|-------|--------|
| Styrene                   |                    | 63000          | U         | 8300  | 63000  |
| 1,1,1,2-Tetrachloroethane |                    | 63000          | U         | 8000  | 63000  |
| 1,1,2,2-Tetrachloroethane |                    | 63000          | U         | 18000 | 63000  |
| Tetrachloroethene         |                    | 63000          | U         | 9200  | 63000  |
| Toluene                   |                    | 63000          | U         | 9900  | 63000  |
| 1,1,1-Trichloroethane     |                    | 63000          | U         | 7300  | 63000  |
| 1,1,2-Trichloroethane     |                    | 63000          | U         | 15000 | 63000  |
| Trichloroethene           |                    | 63000          | U         | 13000 | 63000  |
| Trichlorofluoromethane    |                    | 63000          | U *       | 19000 | 63000  |
| 1,2,3-Trichloropropane    |                    | 63000          | U         | 18000 | 63000  |
| Vinyl acetate             |                    | 130000         | U         | 19000 | 130000 |
| Vinyl chloride            |                    | 63000          | U         | 7300  | 63000  |
| Xylenes, Total            |                    | 130000         | U         | 29000 | 130000 |

| 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: 680-44317-1

Sdg Number: KSX04

Client Sample ID: **WGK-BIGMO-BAS-026-9-9.5-S**

Lab Sample ID: 680-44317-12

Date Sampled: 01/29/2009 1405

Client Matrix: Solid

% Moisture: 23.2

Date Received: 01/30/2009 1043

### 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129848

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129322

Lab File ID: I0124.d

Dilution: 20000

Initial Weight/Volume: 8.1 g

Date Analyzed: 02/11/2009 1854

Final Weight/Volume: 5 g

Date Prepared: 02/05/2009 1552

| Analyte                     | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL     | RL      |
|-----------------------------|--------------------|----------------|-----------|---------|---------|
| Acetone                     |                    | 800000         | U         | 71000   | 800000  |
| Acetonitrile                |                    | 3200000        | U         | 720000  | 3200000 |
| Carbon disulfide            |                    | 80000          | U         | 19000   | 80000   |
| Acrolein                    |                    | 1600000        | U         | 310000  | 1600000 |
| Acrylonitrile               |                    | 1600000        | U         | 370000  | 1600000 |
| Benzene                     |                    | 470000         |           | 13000   | 80000   |
| Dichlorobromomethane        |                    | 80000          | U         | 13000   | 80000   |
| Bromoform                   |                    | 80000          | U         | 18000   | 80000   |
| Bromomethane                |                    | 80000          | U         | 26000   | 80000   |
| 2-Butanone (MEK)            |                    | 400000         | U         | 43000   | 400000  |
| Carbon tetrachloride        |                    | 80000          | U         | 16000   | 80000   |
| Chlorobenzene               |                    | 80000          | U         | 12000   | 80000   |
| Chloroethane                |                    | 80000          | U         | 19000   | 80000   |
| Chloroform                  |                    | 80000          | U         | 8000    | 80000   |
| Chloromethane               |                    | 80000          | U         | 11000   | 80000   |
| 2-Chloro-1,3-butadiene      |                    | 80000          | U         | 9200    | 80000   |
| 3-Chloro-1-propene          |                    | 80000          | U         | 24000   | 80000   |
| Chlorodibromomethane        |                    | 80000          | U         | 8000    | 80000   |
| 1,2-Dibromo-3-Chloropropane |                    | 160000         | U         | 45000   | 160000  |
| Ethylene Dibromide          |                    | 80000          | U         | 24000   | 80000   |
| Dibromomethane              |                    | 80000          | U         | 19000   | 80000   |
| trans-1,4-Dichloro-2-butene |                    | 160000         | U         | 50000   | 160000  |
| Dichlorodifluoromethane     |                    | 80000          | U         | 14000   | 80000   |
| 1,1-Dichloroethane          |                    | 80000          | U         | 8000    | 80000   |
| 1,2-Dichloroethane          |                    | 80000          | U         | 16000   | 80000   |
| 1,1-Dichloroethene          |                    | 80000          | U         | 8700    | 80000   |
| 1,2-Dichlorobenzene         |                    | 80000          | U         | 10000   | 80000   |
| trans-1,2-Dichloroethene    |                    | 80000          | U         | 16000   | 80000   |
| 1,2-Dichloropropane         |                    | 80000          | U         | 18000   | 80000   |
| 1,3-Dichlorobenzene         |                    | 80000          | U         | 13000   | 80000   |
| 1,4-Dichlorobenzene         |                    | 15000          | J         | 8200    | 80000   |
| cis-1,3-Dichloropropene     |                    | 80000          | U         | 14000   | 80000   |
| trans-1,3-Dichloropropene   |                    | 80000          | U         | 14000   | 80000   |
| Ethylbenzene                |                    | 80000          | U         | 12000   | 80000   |
| Ethyl methacrylate          |                    | 80000          | U         | 35000   | 80000   |
| 2-Hexanone                  |                    | 400000         | U         | 34000   | 400000  |
| Iodomethane                 |                    | 80000          | U         | 16000   | 80000   |
| Isobutyl alcohol            |                    | 3200000        | U         | 1100000 | 3200000 |
| Methacrylonitrile           |                    | 1600000        | U         | 390000  | 1600000 |
| Methylene Chloride          |                    | 80000          | U         | 16000   | 80000   |
| Methyl methacrylate         |                    | 80000          | U         | 59000   | 80000   |
| 4-Methyl-2-pentanone (MIBK) |                    | 400000         | U         | 47000   | 400000  |
| Pentachloroethane           |                    | 400000         | U         | 35000   | 400000  |
| Propionitrile               |                    | 1600000        | U         | 340000  | 1600000 |

## Analytical Data

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-026-9-9.5-S

Lab Sample ID: 680-44317-12

Date Sampled: 01/29/2009 1405

Client Matrix: Solid

% Moisture: 23.2

Date Received: 01/30/2009 1043

### 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129848

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129322

Lab File ID: I0124.d

Dilution: 20000

Initial Weight/Volume: 8.1 g

Date Analyzed: 02/11/2009 1854

Final Weight/Volume: 5 g

Date Prepared: 02/05/2009 1552

| Analyte                   | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL   | RL     |
|---------------------------|--------------------|----------------|-----------|-------|--------|
| Styrene                   |                    | 80000          | U         | 11000 | 80000  |
| 1,1,1,2-Tetrachloroethane |                    | 80000          | U         | 10000 | 80000  |
| 1,1,2,2-Tetrachloroethane |                    | 80000          | U         | 23000 | 80000  |
| Tetrachloroethene         |                    | 80000          | U         | 12000 | 80000  |
| Toluene                   |                    | 80000          | U         | 13000 | 80000  |
| 1,1,1-Trichloroethane     |                    | 80000          | U         | 9300  | 80000  |
| 1,1,2-Trichloroethane     |                    | 80000          | U         | 19000 | 80000  |
| Trichloroethene           |                    | 80000          | U         | 16000 | 80000  |
| Trichlorofluoromethane    |                    | 80000          | U         | 24000 | 80000  |
| 1,2,3-Trichloropropane    |                    | 80000          | U         | 23000 | 80000  |
| Vinyl acetate             |                    | 160000         | U         | 24000 | 160000 |
| Vinyl chloride            |                    | 80000          | U         | 9300  | 80000  |
| Xylenes, Total            |                    | 160000         | U         | 37000 | 160000 |

| 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: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-TB1-TB

Lab Sample ID: 680-44330-1TB

Date Sampled: 01/30/2009 0000

Client Matrix: Water

Date Received: 01/31/2009 0950

## 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129700

Instrument ID: GC/MS Volatiles - A C2

Preparation: 5030B

Lab File ID: a1386.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 02/10/2009 1440

Final Weight/Volume: 5 mL

Date Prepared: 02/10/2009 1440

| Analyte                     | Result (ug/L) | Qualifier | MDL  | RL  |
|-----------------------------|---------------|-----------|------|-----|
| Acetone                     | 8.3           | J         | 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: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-TB1-TB

Lab Sample ID: 680-44330-1TB

Date Sampled: 01/30/2009 0000

Client Matrix: Water

Date Received: 01/31/2009 0950

## 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129700

Instrument ID: GC/MS Volatiles - A C2

Preparation: 5030B

Lab File ID: a1386.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 02/10/2009 1440

Final Weight/Volume: 5 mL

Date Prepared: 02/10/2009 1440

| 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 | 103  | 75 - 121          |
| Toluene-d8 (Surr)    | 101  | 75 - 120          |

# Analytical Data

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-19I-14.5-15-S

Lab Sample ID: 680-44330-2

Date Sampled: 01/30/2009 0805

Client Matrix: Solid

% Moisture: 23.3

Date Received: 01/31/2009 0950

## 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129583

Instrument ID: GC/MS Volatiles - M

Preparation: 5035

Prep Batch: 680-129448

Lab File ID: m0037.d

Dilution: 20000

Initial Weight/Volume: 7.4 g

Date Analyzed: 02/09/2009 2104

Final Weight/Volume: 10 g

Date Prepared: 02/06/2009 1613

| Analyte                     | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL     | RL      |
|-----------------------------|--------------------|----------------|-----------|---------|---------|
| Acetone                     |                    | 1800000        | U         | 160000  | 1800000 |
| Acetonitrile                |                    | 7000000        | U         | 1600000 | 7000000 |
| Carbon disulfide            |                    | 180000         | U         | 42000   | 180000  |
| Acrolein                    |                    | 3500000        | U         | 670000  | 3500000 |
| Acrylonitrile               |                    | 3500000        | U         | 810000  | 3500000 |
| Benzene                     |                    | 3000000        |           | 28000   | 180000  |
| Dichlorobromomethane        |                    | 180000         | U         | 29000   | 180000  |
| Bromoform                   |                    | 180000         | U         | 39000   | 180000  |
| Bromomethane                |                    | 180000         | U         | 56000   | 180000  |
| 2-Butanone (MEK)            |                    | 880000         | U         | 95000   | 880000  |
| Carbon tetrachloride        |                    | 180000         | U         | 35000   | 180000  |
| Chlorobenzene               |                    | 180000         | U         | 26000   | 180000  |
| Chloroethane                |                    | 180000         | U         | 42000   | 180000  |
| Chloroform                  |                    | 180000         | U         | 18000   | 180000  |
| Chloromethane               |                    | 180000         | U         | 25000   | 180000  |
| 2-Chloro-1,3-butadiene      |                    | 180000         | U         | 20000   | 180000  |
| 3-Chloro-1-propene          |                    | 180000         | U         | 53000   | 180000  |
| Chlorodibromomethane        |                    | 180000         | U         | 18000   | 180000  |
| 1,2-Dibromo-3-Chloropropane |                    | 350000         | U         | 99000   | 350000  |
| Ethylene Dibromide          |                    | 180000         | U         | 53000   | 180000  |
| Dibromomethane              |                    | 180000         | U         | 42000   | 180000  |
| trans-1,4-Dichloro-2-butene |                    | 350000         | U         | 110000  | 350000  |
| Dichlorodifluoromethane     |                    | 180000         | U         | 31000   | 180000  |
| 1,1-Dichloroethane          |                    | 180000         | U *       | 18000   | 180000  |
| 1,2-Dichloroethane          |                    | 180000         | U         | 35000   | 180000  |
| 1,1-Dichloroethene          |                    | 180000         | U         | 19000   | 180000  |
| 1,2-Dichlorobenzene         |                    | 180000         | U         | 23000   | 180000  |
| trans-1,2-Dichloroethene    |                    | 180000         | U         | 34000   | 180000  |
| 1,2-Dichloropropane         |                    | 180000         | U         | 39000   | 180000  |
| 1,3-Dichlorobenzene         |                    | 180000         | U         | 29000   | 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         | 26000   | 180000  |
| Ethyl methacrylate          |                    | 180000         | U         | 78000   | 180000  |
| 2-Hexanone                  |                    | 880000         | U         | 74000   | 880000  |
| Iodomethane                 |                    | 180000         | U         | 35000   | 180000  |
| Isobutyl alcohol            |                    | 7000000        | U         | 2400000 | 7000000 |
| Methacrylonitrile           |                    | 3500000        | U         | 850000  | 3500000 |
| Methylene Chloride          |                    | 180000         | U         | 35000   | 180000  |
| Methyl methacrylate         |                    | 180000         | U         | 130000  | 180000  |
| 4-Methyl-2-pentanone (MIBK) |                    | 880000         | U         | 100000  | 880000  |
| Pentachloroethane           |                    | 880000         | U         | 78000   | 880000  |
| Propionitrile               |                    | 3500000        | U         | 740000  | 3500000 |

## Analytical Data

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-19I-14.5-15-S

Lab Sample ID: 680-44330-2

Date Sampled: 01/30/2009 0805

Client Matrix: Solid

% Moisture: 23.3

Date Received: 01/31/2009 0950

## 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129583

Instrument ID: GC/MS Volatiles - M

Preparation: 5035

Prep Batch: 680-129448

Lab File ID: m0037.d

Dilution: 20000

Initial Weight/Volume: 7.4 g

Date Analyzed: 02/09/2009 2104

Final Weight/Volume: 10 g

Date Prepared: 02/06/2009 1613

| Analyte                   | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL   | RL     |
|---------------------------|--------------------|----------------|-----------|-------|--------|
| Styrene                   |                    | 180000         | U         | 23000 | 180000 |
| 1,1,1,2-Tetrachloroethane |                    | 180000         | U         | 23000 | 180000 |
| 1,1,2,2-Tetrachloroethane |                    | 180000         | U         | 49000 | 180000 |
| Tetrachloroethene         |                    | 180000         | U         | 26000 | 180000 |
| Toluene                   |                    | 180000         | U         | 28000 | 180000 |
| 1,1,1-Trichloroethane     |                    | 180000         | U         | 20000 | 180000 |
| 1,1,2-Trichloroethane     |                    | 180000         | U         | 42000 | 180000 |
| Trichloroethene           |                    | 180000         | U         | 35000 | 180000 |
| Trichlorofluoromethane    |                    | 180000         | U *       | 53000 | 180000 |
| 1,2,3-Trichloropropane    |                    | 180000         | U         | 49000 | 180000 |
| Vinyl acetate             |                    | 350000         | U         | 53000 | 350000 |
| Vinyl chloride            |                    | 180000         | U         | 20000 | 180000 |
| Xylenes, Total            |                    | 350000         | U         | 81000 | 350000 |

| 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: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-20I-14.5-15-S

Lab Sample ID: 680-44330-3

Date Sampled: 01/30/2009 0830

Client Matrix: Solid

% Moisture: 24.8

Date Received: 01/31/2009 0950

### 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129583

Instrument ID: GC/MS Volatiles - M

Preparation: 5035

Prep Batch: 680-129448

Lab File ID: m0038.d

Dilution: 20000

Initial Weight/Volume: 11.3 g

Date Analyzed: 02/09/2009 2127

Final Weight/Volume: 10 g

Date Prepared: 02/06/2009 1613

| Analyte                     | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL     | RL      |
|-----------------------------|--------------------|----------------|-----------|---------|---------|
| Acetone                     |                    | 1200000        | U         | 100000  | 1200000 |
| Acetonitrile                |                    | 4700000        | U         | 1100000 | 4700000 |
| Carbon disulfide            |                    | 120000         | U         | 28000   | 120000  |
| Acrolein                    |                    | 2400000        | U         | 450000  | 2400000 |
| Acrylonitrile               |                    | 2400000        | U         | 540000  | 2400000 |
| Benzene                     |                    | 3000000        |           | 19000   | 120000  |
| Dichlorobromomethane        |                    | 120000         | U         | 20000   | 120000  |
| Bromoform                   |                    | 120000         | U         | 26000   | 120000  |
| Bromomethane                |                    | 120000         | U         | 38000   | 120000  |
| 2-Butanone (MEK)            |                    | 590000         | U         | 64000   | 590000  |
| Carbon tetrachloride        |                    | 120000         | U         | 24000   | 120000  |
| Chlorobenzene               |                    | 120000         | U         | 17000   | 120000  |
| Chloroethane                |                    | 120000         | U         | 28000   | 120000  |
| Chloroform                  |                    | 120000         | U         | 12000   | 120000  |
| Chloromethane               |                    | 120000         | U         | 17000   | 120000  |
| 2-Chloro-1,3-butadiene      |                    | 120000         | U         | 13000   | 120000  |
| 3-Chloro-1-propene          |                    | 120000         | U         | 35000   | 120000  |
| Chlorodibromomethane        |                    | 120000         | U         | 12000   | 120000  |
| 1,2-Dibromo-3-Chloropropane |                    | 240000         | U         | 66000   | 240000  |
| Ethylene Dibromide          |                    | 120000         | U         | 35000   | 120000  |
| Dibromomethane              |                    | 120000         | U         | 28000   | 120000  |
| trans-1,4-Dichloro-2-butene |                    | 240000         | U         | 73000   | 240000  |
| Dichlorodifluoromethane     |                    | 120000         | U         | 21000   | 120000  |
| 1,1-Dichloroethane          |                    | 120000         | U *       | 12000   | 120000  |
| 1,2-Dichloroethane          |                    | 120000         | U         | 24000   | 120000  |
| 1,1-Dichloroethene          |                    | 120000         | U         | 13000   | 120000  |
| 1,2-Dichlorobenzene         |                    | 120000         | U         | 15000   | 120000  |
| trans-1,2-Dichloroethene    |                    | 120000         | U         | 23000   | 120000  |
| 1,2-Dichloropropane         |                    | 120000         | U         | 26000   | 120000  |
| 1,3-Dichlorobenzene         |                    | 120000         | U         | 20000   | 120000  |
| 1,4-Dichlorobenzene         |                    | 120000         | U         | 12000   | 120000  |
| cis-1,3-Dichloropropene     |                    | 120000         | U         | 20000   | 120000  |
| trans-1,3-Dichloropropene   |                    | 120000         | U         | 20000   | 120000  |
| Ethylbenzene                |                    | 120000         | U         | 18000   | 120000  |
| Ethyl methacrylate          |                    | 120000         | U         | 52000   | 120000  |
| 2-Hexanone                  |                    | 590000         | U         | 49000   | 590000  |
| Iodomethane                 |                    | 120000         | U         | 24000   | 120000  |
| Isobutyl alcohol            |                    | 4700000        | U         | 1600000 | 4700000 |
| Methacrylonitrile           |                    | 2400000        | U         | 560000  | 2400000 |
| Methylene Chloride          |                    | 120000         | U         | 24000   | 120000  |
| Methyl methacrylate         |                    | 120000         | U         | 87000   | 120000  |
| 4-Methyl-2-pentanone (MIBK) |                    | 590000         | U         | 68000   | 590000  |
| Pentachloroethane           |                    | 590000         | U         | 52000   | 590000  |
| Propionitrile               |                    | 2400000        | U         | 490000  | 2400000 |

## Analytical Data

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

Client Sample ID: **WGK-BIGMO-BAS-20I-14.5-15-S**

Lab Sample ID: 680-44330-3

Date Sampled: 01/30/2009 0830

Client Matrix: Solid

% Moisture: 24.8

Date Received: 01/31/2009 0950

### 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129583

Instrument ID: GC/MS Volatiles - M

Preparation: 5035

Prep Batch: 680-129448

Lab File ID: m0038.d

Dilution: 20000

Initial Weight/Volume: 11.3 g

Date Analyzed: 02/09/2009 2127

Final Weight/Volume: 10 g

Date Prepared: 02/06/2009 1613

| Analyte                   | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL   | RL     |
|---------------------------|--------------------|----------------|-----------|-------|--------|
| Styrene                   |                    | 120000         | U         | 16000 | 120000 |
| 1,1,1,2-Tetrachloroethane |                    | 120000         | U         | 15000 | 120000 |
| 1,1,2,2-Tetrachloroethane |                    | 120000         | U         | 33000 | 120000 |
| Tetrachloroethene         |                    | 120000         | U         | 17000 | 120000 |
| Toluene                   |                    | 120000         | U         | 19000 | 120000 |
| 1,1,1-Trichloroethane     |                    | 120000         | U         | 14000 | 120000 |
| 1,1,2-Trichloroethane     |                    | 120000         | U         | 28000 | 120000 |
| Trichloroethene           |                    | 120000         | U         | 24000 | 120000 |
| Trichlorofluoromethane    |                    | 120000         | U *       | 35000 | 120000 |
| 1,2,3-Trichloropropane    |                    | 120000         | U         | 33000 | 120000 |
| Vinyl acetate             |                    | 240000         | U         | 35000 | 240000 |
| Vinyl chloride            |                    | 120000         | U         | 14000 | 120000 |
| Xylenes, Total            |                    | 240000         | U         | 54000 | 240000 |

| 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: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-027-10-11-S

Lab Sample ID: 680-44330-4

Date Sampled: 01/30/2009 0815

Client Matrix: Solid

% Moisture: 21.7

Date Received: 01/31/2009 0950

## 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129583

Instrument ID: GC/MS Volatiles - M

Preparation: 5035

Prep Batch: 680-129448

Lab File ID: m0039.d

Dilution: 20000

Initial Weight/Volume: 2.3 g

Date Analyzed: 02/09/2009 2150

Final Weight/Volume: 10 g

Date Prepared: 02/06/2009 1613

| Analyte                     | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL     | RL       |
|-----------------------------|--------------------|----------------|-----------|---------|----------|
| Acetone                     |                    | 5600000        | U         | 490000  | 5600000  |
| Acetonitrile                |                    | 22000000       | U         | 5000000 | 22000000 |
| Carbon disulfide            |                    | 560000         | U         | 130000  | 560000   |
| Acrolein                    |                    | 11000000       | U         | 2100000 | 11000000 |
| Acrylonitrile               |                    | 11000000       | U         | 2600000 | 11000000 |
| Benzene                     |                    | 5300000        |           | 88000   | 560000   |
| Dichlorobromomethane        |                    | 560000         | U         | 92000   | 560000   |
| Bromoform                   |                    | 560000         | U         | 120000  | 560000   |
| Bromomethane                |                    | 560000         | U         | 180000  | 560000   |
| 2-Butanone (MEK)            |                    | 2800000        | U         | 300000  | 2800000  |
| Carbon tetrachloride        |                    | 560000         | U         | 110000  | 560000   |
| Chlorobenzene               |                    | 560000         | U         | 81000   | 560000   |
| Chloroethane                |                    | 560000         | U         | 130000  | 560000   |
| Chloroform                  |                    | 560000         | U         | 56000   | 560000   |
| Chloromethane               |                    | 560000         | U         | 79000   | 560000   |
| 2-Chloro-1,3-butadiene      |                    | 560000         | U         | 63000   | 560000   |
| 3-Chloro-1-propene          |                    | 560000         | U         | 170000  | 560000   |
| Chlorodibromomethane        |                    | 560000         | U         | 56000   | 560000   |
| 1,2-Dibromo-3-Chloropropane |                    | 1100000        | U         | 310000  | 1100000  |
| Ethylene Dibromide          |                    | 560000         | U         | 170000  | 560000   |
| Dibromomethane              |                    | 560000         | U         | 130000  | 560000   |
| trans-1,4-Dichloro-2-butene |                    | 1100000        | U         | 340000  | 1100000  |
| Dichlorodifluoromethane     |                    | 560000         | U         | 99000   | 560000   |
| 1,1-Dichloroethane          |                    | 560000         | U *       | 56000   | 560000   |
| 1,2-Dichloroethane          |                    | 560000         | U         | 110000  | 560000   |
| 1,1-Dichloroethene          |                    | 560000         | U         | 60000   | 560000   |
| 1,2-Dichlorobenzene         |                    | 560000         | U         | 72000   | 560000   |
| trans-1,2-Dichloroethene    |                    | 560000         | U         | 110000  | 560000   |
| 1,2-Dichloropropane         |                    | 560000         | U         | 120000  | 560000   |
| 1,3-Dichlorobenzene         |                    | 560000         | U         | 92000   | 560000   |
| 1,4-Dichlorobenzene         |                    | 560000         | U         | 57000   | 560000   |
| cis-1,3-Dichloropropene     |                    | 560000         | U         | 97000   | 560000   |
| trans-1,3-Dichloropropene   |                    | 560000         | U         | 97000   | 560000   |
| Ethylbenzene                |                    | 560000         | U         | 83000   | 560000   |
| Ethyl methacrylate          |                    | 560000         | U         | 240000  | 560000   |
| 2-Hexanone                  |                    | 2800000        | U         | 230000  | 2800000  |
| Iodomethane                 |                    | 560000         | U         | 110000  | 560000   |
| Isobutyl alcohol            |                    | 22000000       | U         | 7700000 | 22000000 |
| Methacrylonitrile           |                    | 11000000       | U         | 2700000 | 11000000 |
| Methylene Chloride          |                    | 560000         | U         | 110000  | 560000   |
| Methyl methacrylate         |                    | 560000         | U         | 410000  | 560000   |
| 4-Methyl-2-pentanone (MIBK) |                    | 2800000        | U         | 320000  | 2800000  |
| Pentachloroethane           |                    | 2800000        | U         | 240000  | 2800000  |
| Propionitrile               |                    | 11000000       | U         | 2300000 | 11000000 |

# Analytical Data

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-027-10-11-S

Lab Sample ID: 680-44330-4

Date Sampled: 01/30/2009 0815

Client Matrix: Solid

% Moisture: 21.7

Date Received: 01/31/2009 0950

## 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129583

Instrument ID: GC/MS Volatiles - M

Preparation: 5035

Prep Batch: 680-129448

Lab File ID: m0039.d

Dilution: 20000

Initial Weight/Volume: 2.3 g

Date Analyzed: 02/09/2009 2150

Final Weight/Volume: 10 g

Date Prepared: 02/06/2009 1613

| Analyte                   | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL    | RL      |
|---------------------------|--------------------|----------------|-----------|--------|---------|
| Styrene                   |                    | 560000         | U         | 73000  | 560000  |
| 1,1,1,2-Tetrachloroethane |                    | 560000         | U         | 71000  | 560000  |
| 1,1,2,2-Tetrachloroethane |                    | 560000         | U         | 160000 | 560000  |
| Tetrachloroethene         |                    | 560000         | U         | 81000  | 560000  |
| Toluene                   |                    | 560000         | U         | 88000  | 560000  |
| 1,1,1-Trichloroethane     |                    | 560000         | U         | 64000  | 560000  |
| 1,1,2-Trichloroethane     |                    | 560000         | U         | 130000 | 560000  |
| Trichloroethene           |                    | 560000         | U         | 110000 | 560000  |
| Trichlorofluoromethane    |                    | 560000         | U *       | 170000 | 560000  |
| 1,2,3-Trichloropropane    |                    | 560000         | U         | 160000 | 560000  |
| Vinyl acetate             |                    | 1100000        | U         | 170000 | 1100000 |
| Vinyl chloride            |                    | 560000         | U         | 64000  | 560000  |
| Xylenes, Total            |                    | 1100000        | U         | 260000 | 1100000 |

| 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: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-21I-14.75-15.25-S

Lab Sample ID: 680-44330-5

Date Sampled: 01/30/2009 0950

Client Matrix: Solid

% Moisture: 21.3

Date Received: 01/31/2009 0950

## 8260B Volatile Organic Compounds (GC/MS)

|                |                 |                 |            |                        |                     |
|----------------|-----------------|-----------------|------------|------------------------|---------------------|
| Method:        | 8260B           | Analysis Batch: | 680-129740 | Instrument ID:         | GC/MS Volatiles - L |
| Preparation:   | 5035            | Prep Batch:     | 680-129448 | Lab File ID:           | I0095.d             |
| Dilution:      | 20000           |                 |            | Initial Weight/Volume: | 6.3 g               |
| Date Analyzed: | 02/10/2009 1531 |                 |            | Final Weight/Volume:   | 10 g                |
| Date Prepared: | 02/06/2009 1613 |                 |            |                        |                     |

| Analyte                     | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL     | RL      |
|-----------------------------|--------------------|----------------|-----------|---------|---------|
| Acetone                     |                    | 2000000        | U         | 180000  | 2000000 |
| Acetonitrile                |                    | 8100000        | U         | 1800000 | 8100000 |
| Carbon disulfide            |                    | 200000         | U         | 48000   | 200000  |
| Acrolein                    |                    | 4000000        | U         | 770000  | 4000000 |
| Acrylonitrile               |                    | 4000000        | U         | 930000  | 4000000 |
| Benzene                     |                    | 6100000        |           | 32000   | 200000  |
| Dichlorobromomethane        |                    | 200000         | U         | 34000   | 200000  |
| Bromoform                   |                    | 200000         | U         | 44000   | 200000  |
| Bromomethane                |                    | 200000         | U         | 65000   | 200000  |
| 2-Butanone (MEK)            |                    | 1000000        | U         | 110000  | 1000000 |
| Carbon tetrachloride        |                    | 200000         | U         | 40000   | 200000  |
| Chlorobenzene               |                    | 200000         | U         | 29000   | 200000  |
| Chloroethane                |                    | 200000         | U         | 48000   | 200000  |
| Chloroform                  |                    | 200000         | U         | 20000   | 200000  |
| Chloromethane               |                    | 200000         | U         | 29000   | 200000  |
| 2-Chloro-1,3-butadiene      |                    | 200000         | U         | 23000   | 200000  |
| 3-Chloro-1-propene          |                    | 200000         | U         | 61000   | 200000  |
| Chlorodibromomethane        |                    | 200000         | U         | 20000   | 200000  |
| 1,2-Dibromo-3-Chloropropane |                    | 400000         | U         | 110000  | 400000  |
| Ethylene Dibromide          |                    | 200000         | U         | 61000   | 200000  |
| Dibromomethane              |                    | 200000         | U         | 48000   | 200000  |
| trans-1,4-Dichloro-2-butene |                    | 400000         | U         | 130000  | 400000  |
| Dichlorodifluoromethane     |                    | 200000         | U         | 36000   | 200000  |
| 1,1-Dichloroethane          |                    | 200000         | U         | 20000   | 200000  |
| 1,2-Dichloroethane          |                    | 200000         | U         | 40000   | 200000  |
| 1,1-Dichloroethene          |                    | 200000         | U         | 22000   | 200000  |
| 1,2-Dichlorobenzene         |                    | 200000         | U         | 26000   | 200000  |
| trans-1,2-Dichloroethene    |                    | 200000         | U         | 39000   | 200000  |
| 1,2-Dichloropropane         |                    | 200000         | U         | 44000   | 200000  |
| 1,3-Dichlorobenzene         |                    | 200000         | U         | 34000   | 200000  |
| 1,4-Dichlorobenzene         |                    | 200000         | U         | 21000   | 200000  |
| cis-1,3-Dichloropropene     |                    | 200000         | U         | 35000   | 200000  |
| trans-1,3-Dichloropropene   |                    | 200000         | U         | 35000   | 200000  |
| Ethylbenzene                |                    | 200000         | U         | 30000   | 200000  |
| Ethyl methacrylate          |                    | 200000         | U         | 89000   | 200000  |
| 2-Hexanone                  |                    | 1000000        | U         | 85000   | 1000000 |
| Iodomethane                 |                    | 200000         | U         | 40000   | 200000  |
| Isobutyl alcohol            |                    | 8100000        | U         | 2800000 | 8100000 |
| Methacrylonitrile           |                    | 4000000        | U         | 970000  | 4000000 |
| Methylene Chloride          |                    | 45000          | J         | 40000   | 200000  |
| Methyl methacrylate         |                    | 200000         | U         | 150000  | 200000  |
| 4-Methyl-2-pentanone (MIBK) |                    | 1000000        | U         | 120000  | 1000000 |
| Pentachloroethane           |                    | 1000000        | U         | 89000   | 1000000 |
| Propionitrile               |                    | 4000000        | U         | 850000  | 4000000 |



## Analytical Data

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KXS04

Client Sample ID: WGK-BIGMO-BAS-21I-14.75-15.25-S

Lab Sample ID: 680-44330-5

Date Sampled: 01/30/2009 0950

Client Matrix: Solid

% Moisture: 21.3

Date Received: 01/31/2009 0950

## 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129448

Lab File ID: I0095.d

Dilution: 20000

Initial Weight/Volume: 6.3 g

Date Analyzed: 02/10/2009 1531

Final Weight/Volume: 10 g

Date Prepared: 02/06/2009 1613

| Analyte                   | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL   | RL     |
|---------------------------|--------------------|----------------|-----------|-------|--------|
| Styrene                   |                    | 200000         | U         | 27000 | 200000 |
| 1,1,1,2-Tetrachloroethane |                    | 200000         | U         | 26000 | 200000 |
| 1,1,2,2-Tetrachloroethane |                    | 200000         | U         | 57000 | 200000 |
| Tetrachloroethene         |                    | 200000         | U         | 29000 | 200000 |
| Toluene                   |                    | 200000         | U         | 32000 | 200000 |
| 1,1,1-Trichloroethane     |                    | 200000         | U         | 23000 | 200000 |
| 1,1,2-Trichloroethane     |                    | 200000         | U         | 48000 | 200000 |
| Trichloroethene           |                    | 200000         | U         | 40000 | 200000 |
| Trichlorofluoromethane    |                    | 200000         | U         | 61000 | 200000 |
| 1,2,3-Trichloropropane    |                    | 200000         | U         | 57000 | 200000 |
| Vinyl acetate             |                    | 400000         | U         | 61000 | 400000 |
| Vinyl chloride            |                    | 200000         | U         | 23000 | 200000 |
| Xylenes, Total            |                    | 400000         | U         | 93000 | 400000 |

| 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: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-22I-14.5-15-S

Lab Sample ID: 680-44330-6

Date Sampled: 01/30/2009 1005

Client Matrix: Solid

% Moisture: 24.8

Date Received: 01/31/2009 0950

## 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129448

Lab File ID: I0096.d

Dilution: 20000

Initial Weight/Volume: 5.6 g

Date Analyzed: 02/10/2009 1552

Final Weight/Volume: 10 g

Date Prepared: 02/06/2009 1613

| Analyte                     | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL     | RL      |
|-----------------------------|--------------------|----------------|-----------|---------|---------|
| Acetone                     |                    | 2400000        | U         | 210000  | 2400000 |
| Acetonitrile                |                    | 9500000        | U         | 2100000 | 9500000 |
| Carbon disulfide            |                    | 240000         | U         | 57000   | 240000  |
| Acrolein                    |                    | 4700000        | U         | 900000  | 4700000 |
| Acrylonitrile               |                    | 4700000        | U         | 1100000 | 4700000 |
| Benzene                     |                    | 5600000        |           | 38000   | 240000  |
| Dichlorobromomethane        |                    | 240000         | U         | 39000   | 240000  |
| Bromoform                   |                    | 240000         | U         | 52000   | 240000  |
| Bromomethane                |                    | 240000         | U         | 76000   | 240000  |
| 2-Butanone (MEK)            |                    | 1200000        | U         | 130000  | 1200000 |
| Carbon tetrachloride        |                    | 240000         | U         | 47000   | 240000  |
| Chlorobenzene               |                    | 240000         | U         | 35000   | 240000  |
| Chloroethane                |                    | 240000         | U         | 57000   | 240000  |
| Chloroform                  |                    | 240000         | U         | 24000   | 240000  |
| Chloromethane               |                    | 240000         | U         | 34000   | 240000  |
| 2-Chloro-1,3-butadiene      |                    | 240000         | U         | 27000   | 240000  |
| 3-Chloro-1-propene          |                    | 240000         | U         | 71000   | 240000  |
| Chlorodibromomethane        |                    | 240000         | U         | 24000   | 240000  |
| 1,2-Dibromo-3-Chloropropane |                    | 470000         | U         | 130000  | 470000  |
| Ethylene Dibromide          |                    | 240000         | U         | 71000   | 240000  |
| Dibromomethane              |                    | 240000         | U         | 57000   | 240000  |
| trans-1,4-Dichloro-2-butene |                    | 470000         | U         | 150000  | 470000  |
| Dichlorodifluoromethane     |                    | 240000         | U         | 42000   | 240000  |
| 1,1-Dichloroethane          |                    | 240000         | U         | 24000   | 240000  |
| 1,2-Dichloroethane          |                    | 240000         | U         | 47000   | 240000  |
| 1,1-Dichloroethene          |                    | 240000         | U         | 26000   | 240000  |
| 1,2-Dichlorobenzene         |                    | 240000         | U         | 31000   | 240000  |
| trans-1,2-Dichloroethene    |                    | 240000         | U         | 46000   | 240000  |
| 1,2-Dichloropropane         |                    | 240000         | U         | 52000   | 240000  |
| 1,3-Dichlorobenzene         |                    | 240000         | U         | 39000   | 240000  |
| 1,4-Dichlorobenzene         |                    | 240000         | U         | 24000   | 240000  |
| cis-1,3-Dichloropropene     |                    | 240000         | U         | 41000   | 240000  |
| trans-1,3-Dichloropropene   |                    | 240000         | U         | 41000   | 240000  |
| Ethylbenzene                |                    | 240000         | U         | 36000   | 240000  |
| Ethyl methacrylate          |                    | 240000         | U         | 100000  | 240000  |
| 2-Hexanone                  |                    | 1200000        | U         | 100000  | 1200000 |
| Iodomethane                 |                    | 240000         | U         | 47000   | 240000  |
| Isobutyl alcohol            |                    | 9500000        | U         | 3300000 | 9500000 |
| Methacrylonitrile           |                    | 4700000        | U         | 1100000 | 4700000 |
| Methylene Chloride          |                    | 240000         | U         | 47000   | 240000  |
| Methyl methacrylate         |                    | 240000         | U         | 180000  | 240000  |
| 4-Methyl-2-pentanone (MIBK) |                    | 1200000        | U         | 140000  | 1200000 |
| Pentachloroethane           |                    | 1200000        | U         | 100000  | 1200000 |
| Propionitrile               |                    | 4700000        | U         | 1000000 | 4700000 |

## Analytical Data

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

Client Sample ID: WGK-BIGMO-BAS-22I-14.5-15-S

Lab Sample ID: 680-44330-6

Date Sampled: 01/30/2009 1005

Client Matrix: Solid

% Moisture: 24.8

Date Received: 01/31/2009 0950

## 8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-129740

Instrument ID: GC/MS Volatiles - L

Preparation: 5035

Prep Batch: 680-129448

Lab File ID: I0096.d

Dilution: 20000

Initial Weight/Volume: 5.6 g

Date Analyzed: 02/10/2009 1552

Final Weight/Volume: 10 g

Date Prepared: 02/06/2009 1613

| Analyte                   | DryWt Corrected: Y | Result (ug/Kg) | Qualifier | MDL    | RL     |
|---------------------------|--------------------|----------------|-----------|--------|--------|
| Styrene                   |                    | 240000         | U         | 31000  | 240000 |
| 1,1,1,2-Tetrachloroethane |                    | 240000         | U         | 30000  | 240000 |
| 1,1,2,2-Tetrachloroethane |                    | 240000         | U         | 66000  | 240000 |
| Tetrachloroethene         |                    | 240000         | U         | 35000  | 240000 |
| Toluene                   |                    | 240000         | U         | 38000  | 240000 |
| 1,1,1-Trichloroethane     |                    | 240000         | U         | 28000  | 240000 |
| 1,1,2-Trichloroethane     |                    | 240000         | U         | 57000  | 240000 |
| Trichloroethene           |                    | 240000         | U         | 47000  | 240000 |
| Trichlorofluoromethane    |                    | 240000         | U         | 71000  | 240000 |
| 1,2,3-Trichloropropane    |                    | 240000         | U         | 66000  | 240000 |
| Vinyl acetate             |                    | 470000         | U         | 71000  | 470000 |
| Vinyl chloride            |                    | 240000         | U         | 28000  | 240000 |
| Xylenes, Total            |                    | 470000         | U         | 110000 | 470000 |

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

# DATA REPORTING QUALIFIERS

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

| Lab Section | Qualifier | Description                                                                                                    |
|-------------|-----------|----------------------------------------------------------------------------------------------------------------|
| GC/MS VOA   |           |                                                                                                                |
|             | 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: 680-44317-1

Sdg Number: KXS04

### QC Association Summary

| Lab Sample ID             | Client Sample ID                | Report |               | Method | Prep Batch |
|---------------------------|---------------------------------|--------|---------------|--------|------------|
|                           |                                 | Basis  | Client Matrix |        |            |
| GC/MS VOA                 |                                 |        |               |        |            |
| Prep Batch: 680-129322    |                                 |        |               |        |            |
| 680-44317-2               | WGK-BIGMO-BAS-17S-7.5-8-S       | T      | Solid         | 5035   |            |
| 680-44317-3               | WGK-BIGMO-BAS-18D-14-14.5-S     | T      | Solid         | 5035   |            |
| 680-44317-4               | WGK-BIGMO-BAS-11S-10-10.5-S     | T      | Solid         | 5035   |            |
| 680-44317-5               | WGK-BIGMO-BAS-12D-14.5-15-S     | T      | Solid         | 5035   |            |
| 680-44317-6               | WGK-BIGMO-BAS-13D-15-15.5-S     | T      | Solid         | 5035   |            |
| 680-44317-7               | WGK-BIGMO-BAS-14S-7.5-8-S       | T      | Solid         | 5035   |            |
| 680-44317-8               | WGK-BIGMO-BAS-04D-14.5-15-S     | T      | Solid         | 5035   |            |
| 680-44317-9               | WGK-BIGMO-BAS-04S-7.5-8-S       | T      | Solid         | 5035   |            |
| 680-44317-10              | WGK-BIGMO-BAS-01S-7.5-8-S       | T      | Solid         | 5035   |            |
| 680-44317-11              | WGK-BIGMO-BAS-01D-13.5-14-S     | T      | Solid         | 5035   |            |
| 680-44317-12              | WGK-BIGMO-BAS-026-9-9.5-S       | T      | Solid         | 5035   |            |
| Prep Batch: 680-129448    |                                 |        |               |        |            |
| 680-44330-2               | WGK-BIGMO-BAS-19I-14.5-15-S     | T      | Solid         | 5035   |            |
| 680-44330-3               | WGK-BIGMO-BAS-20I-14.5-15-S     | T      | Solid         | 5035   |            |
| 680-44330-4               | WGK-BIGMO-BAS-027-10-11-S       | T      | Solid         | 5035   |            |
| 680-44330-5               | WGK-BIGMO-BAS-21I-14.75-15.25-S | T      | Solid         | 5035   |            |
| 680-44330-6               | WGK-BIGMO-BAS-22I-14.5-15-S     | T      | Solid         | 5035   |            |
| Analysis Batch:680-129583 |                                 |        |               |        |            |
| LCS 680-129583/8          | Lab Control Spike               | T      | Solid         | 8260B  |            |
| MB 680-129583/9           | Method Blank                    | T      | Solid         | 8260B  |            |
| 680-44330-2               | WGK-BIGMO-BAS-19I-14.5-15-S     | T      | Solid         | 8260B  | 680-129448 |
| 680-44330-3               | WGK-BIGMO-BAS-20I-14.5-15-S     | T      | Solid         | 8260B  | 680-129448 |
| 680-44330-4               | WGK-BIGMO-BAS-027-10-11-S       | T      | Solid         | 8260B  | 680-129448 |
| Analysis Batch:680-129700 |                                 |        |               |        |            |
| LCS 680-129700/4          | Lab Control Spike               | T      | Water         | 8260B  |            |
| LCSD 680-129700/5         | Lab Control Spike Duplicate     | T      | Water         | 8260B  |            |
| MB 680-129700/9           | Method Blank                    | T      | Water         | 8260B  |            |
| 680-44317-1TB             | WGK-BIGMO-BAS-TB3-TB            | T      | Water         | 8260B  |            |
| 680-44330-1TB             | WGK-BIGMO-BAS-TB1-TB            | T      | Water         | 8260B  |            |

## Quality Control Results

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

### QC Association Summary

| Lab Sample ID             | Client Sample ID                | Report |               | Method | Prep Batch |
|---------------------------|---------------------------------|--------|---------------|--------|------------|
|                           |                                 | Basis  | Client Matrix |        |            |
| GC/MS VOA                 |                                 |        |               |        |            |
| Analysis Batch:680-129740 |                                 |        |               |        |            |
| LCS 680-129740/13         | Lab Control Spike               | T      | Solid         | 8260B  |            |
| MB 680-129740/15          | Method Blank                    | T      | Solid         | 8260B  |            |
| 680-44317-2               | WGK-BIGMO-BAS-17S-7.5-8-S       | T      | Solid         | 8260B  | 680-129322 |
| 680-44317-3               | WGK-BIGMO-BAS-18D-14-14.5-S     | T      | Solid         | 8260B  | 680-129322 |
| 680-44317-4               | WGK-BIGMO-BAS-11S-10-10.5-S     | T      | Solid         | 8260B  | 680-129322 |
| 680-44317-5               | WGK-BIGMO-BAS-12D-14.5-15-S     | T      | Solid         | 8260B  | 680-129322 |
| 680-44317-6               | WGK-BIGMO-BAS-13D-15-15.5-S     | T      | Solid         | 8260B  | 680-129322 |
| 680-44317-7               | WGK-BIGMO-BAS-14S-7.5-8-S       | T      | Solid         | 8260B  | 680-129322 |
| 680-44317-8               | WGK-BIGMO-BAS-04D-14.5-15-S     | T      | Solid         | 8260B  | 680-129322 |
| 680-44317-9               | WGK-BIGMO-BAS-04S-7.5-8-S       | T      | Solid         | 8260B  | 680-129322 |
| 680-44330-5               | WGK-BIGMO-BAS-21I-14.75-15.25-S | T      | Solid         | 8260B  | 680-129448 |
| 680-44330-6               | WGK-BIGMO-BAS-22I-14.5-15-S     | T      | Solid         | 8260B  | 680-129448 |
| Analysis Batch:680-129848 |                                 |        |               |        |            |
| LCS 680-129848/6          | Lab Control Spike               | T      | Solid         | 8260B  |            |
| MB 680-129848/7           | Method Blank                    | T      | Solid         | 8260B  |            |
| 680-44317-12              | WGK-BIGMO-BAS-026-9-9.5-S       | T      | Solid         | 8260B  | 680-129322 |
| Analysis Batch:680-129924 |                                 |        |               |        |            |
| LCS 680-129924/4          | Lab Control Spike               | T      | Solid         | 8260B  |            |
| MB 680-129924/5           | Method Blank                    | T      | Solid         | 8260B  |            |
| 680-44317-10              | WGK-BIGMO-BAS-01S-7.5-8-S       | T      | Solid         | 8260B  | 680-129322 |
| 680-44317-11              | WGK-BIGMO-BAS-01D-13.5-14-S     | T      | Solid         | 8260B  | 680-129322 |

#### Report Basis

T = Total

## Quality Control Results

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

## Surrogate Recovery Report

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

| Lab Sample ID    | Client Sample ID                    | BFB<br>%Rec | DBFM<br>%Rec | TOL<br>%Rec |
|------------------|-------------------------------------|-------------|--------------|-------------|
| 680-44317-2      | WGK-BIGMO-BAS-1<br>7S-7.5-8-S       | 0           | 0            | 0           |
| 680-44317-3      | WGK-BIGMO-BAS-1<br>8D-14-14.5-S     | 0           | 0            | 0           |
| 680-44317-4      | WGK-BIGMO-BAS-1<br>1S-10-10.5-S     | 0           | 0            | 0           |
| 680-44317-5      | WGK-BIGMO-BAS-1<br>2D-14.5-15-S     | 0           | 0            | 0           |
| 680-44317-6      | WGK-BIGMO-BAS-1<br>3D-15-15.5-S     | 0           | 0            | 0           |
| 680-44317-7      | WGK-BIGMO-BAS-1<br>4S-7.5-8-S       | 0           | 0            | 0           |
| 680-44317-8      | WGK-BIGMO-BAS-0<br>4D-14.5-15-S     | 0           | 0            | 0           |
| 680-44317-9      | WGK-BIGMO-BAS-0<br>4S-7.5-8-S       | 0           | 0            | 0           |
| 680-44317-10     | WGK-BIGMO-BAS-0<br>1S-7.5-8-S       | 0           | 0            | 0           |
| 680-44317-11     | WGK-BIGMO-BAS-0<br>1D-13.5-14-S     | 0           | 0            | 0           |
| 680-44317-12     | WGK-BIGMO-BAS-0<br>26-9-9.5-S       | 0           | 0            | 0           |
| 680-44330-2      | WGK-BIGMO-BAS-1<br>9I-14.5-15-S     | 0           | 0            | 0           |
| 680-44330-3      | WGK-BIGMO-BAS-2<br>0I-14.5-15-S     | 0           | 0            | 0           |
| 680-44330-4      | WGK-BIGMO-BAS-0<br>27-10-11-S       | 0           | 0            | 0           |
| 680-44330-5      | WGK-BIGMO-BAS-2<br>1I-14.75-15.25-S | 0           | 0            | 0           |
| 680-44330-6      | WGK-BIGMO-BAS-2<br>2I-14.5-15-S     | 0           | 0            | 0           |
| MB 680-129583/9  |                                     | 76          | 84           | 86          |
| MB 680-129740/15 |                                     | 92          | 81           | 86          |
| MB 680-129848/7  |                                     | 89          | 81           | 80          |

| 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: 680-44317-1

Sdg Number: KSX04

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

| Lab Sample ID     | Client Sample ID | BFB<br>%Rec | DBFM<br>%Rec | TOL<br>%Rec |
|-------------------|------------------|-------------|--------------|-------------|
| MB 680-129924/5   |                  | 84          | 93           | 93          |
| LCS 680-129583/8  |                  | 78          | 88           | 86          |
| LCS 680-129740/13 |                  | 100         | 93           | 96          |
| LCS 680-129848/6  |                  | 95          | 91           | 95          |
| LCS 680-129924/4  |                  | 88          | 102          | 99          |

| 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: 680-44317-1

Sdg Number: KSX04

## Surrogate Recovery Report

### 8260B Volatile Organic Compounds (GC/MS)

#### Client Matrix: Water

| Lab Sample ID     | Client Sample ID         | BFB<br>%Rec | DBFM<br>%Rec | TOL<br>%Rec |
|-------------------|--------------------------|-------------|--------------|-------------|
| 680-44317-1       | WGK-BIGMO-BAS-T<br>B3-TB | 92          | 106          | 100         |
| 680-44330-1       | WGK-BIGMO-BAS-T<br>B1-TB | 94          | 103          | 101         |
| MB 680-129700/9   |                          | 93          | 102          | 101         |
| LCS 680-129700/4  |                          | 98          | 102          | 98          |
| LCSD 680-129700/5 |                          | 95          | 97           | 96          |

| 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: 680-44317-1

Sdg Number: KSX04

**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  |
| Dichlorobromomethane        | 200    | U    | 33   | 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  |
| Ethylene Dibromide          | 200    | U    | 60   | 200  |
| Dibromomethane              | 200    | U    | 48   | 200  |
| trans-1,4-Dichloro-2-butene | 400    | U    | 120  | 400  |
| 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  |
| trans-1,2-Dichloroethene    | 200    | U    | 39   | 200  |
| 1,2-Dichloropropane         | 200    | U    | 44   | 200  |
| 1,3-Dichlorobenzene         | 200    | U    | 33   | 200  |
| 1,4-Dichlorobenzene         | 200    | U    | 20   | 200  |
| cis-1,3-Dichloropropene     | 200    | U    | 35   | 200  |
| trans-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  |

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

## Quality Control Results

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

## 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   |
|-----------------------------|--------|-------------------|-----|------|
| 4-Methyl-2-pentanone (MIBK) | 1000   | U                 | 120 | 1000 |
| Pentachloroethane           | 1000   | U                 | 88  | 1000 |
| Propionitrile               | 4000   | U                 | 840 | 4000 |
| Styrene                     | 200    | U                 | 26  | 200  |
| 1,1,1,2-Tetrachloroethane   | 200    | U                 | 26  | 200  |
| 1,1,2,2-Tetrachloroethane   | 200    | U                 | 56  | 200  |
| Tetrachloroethene           | 200    | U                 | 29  | 200  |
| Toluene                     | 200    | U                 | 32  | 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: 680-44317-1

Sdg Number: KSX04

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 |      |
| Dichlorobromomethane        | 2500         | 2230   | 89     | 64 - 137 |      |
| 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 |      |
| Ethylene Dibromide          | 2500         | 2010   | 80     | 61 - 138 |      |
| Dibromomethane              | 2500         | 2100   | 84     | 61 - 138 |      |
| 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 |      |
| trans-1,2-Dichloroethene    | 2500         | 1930   | 77     | 66 - 127 |      |
| 1,2-Dichloropropane         | 2500         | 2230   | 89     | 66 - 135 |      |
| 1,3-Dichlorobenzene         | 2500         | 1920   | 77     | 74 - 123 |      |
| 1,4-Dichlorobenzene         | 2500         | 1980   | 79     | 75 - 122 |      |
| cis-1,3-Dichloropropene     | 2500         | 2240   | 90     | 66 - 137 |      |
| trans-1,3-Dichloropropene   | 2500         | 2230   | 89     | 64 - 138 |      |
| 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 |      |
| Toluene                     | 2500         | 2180   | 87     | 67 - 132 |      |
| 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: 680-44317-1  
 Sdg Number: KSX04

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: 680-44317-1

Sdg Number: KSX04

**Method Blank - Batch: 680-129700**

**Method: 8260B**

**Preparation: 5030B**

Lab Sample ID: MB 680-129700/9

Analysis Batch: 680-129700

Instrument ID: GC/MS Volatiles - A C2

Client Matrix: Water

Prep Batch: N/A

Lab File ID: aq038.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 02/10/2009 1331

Final Weight/Volume: 5 mL

Date Prepared: 02/10/2009 1331

| 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 |
| Bromodichloromethane        | 1.0    | U    | 0.34 | 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 |
| 1,2-Dibromoethane           | 1.0    | U    | 0.30 | 1.0 |
| Dibromomethane              | 1.0    | U    | 0.29 | 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 |
| 1,1-Dichloroethene          | 1.0    | U    | 0.36 | 1.0 |
| 1,2-Dichlorobenzene         | 1.0    | U    | 0.33 | 1.0 |
| trans-1,2-Dichloroethene    | 1.0    | U    | 0.30 | 1.0 |
| 1,2-Dichloropropane         | 1.0    | U    | 0.36 | 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 |
| 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 |

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

## Quality Control Results

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

## Method Blank - Batch: 680-129700

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-129700/9

Analysis Batch: 680-129700

Instrument ID: GC/MS Volatiles - A C2

Client Matrix: Water

Prep Batch: N/A

Lab File ID: aq038.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 02/10/2009 1331

Final Weight/Volume: 5 mL

Date Prepared: 02/10/2009 1331

| Analyte                   | Result | Qual | MDL  | RL  |
|---------------------------|--------|------|------|-----|
| 4-Methyl-2-pentanone      | 10     | U    | 0.60 | 10  |
| Pentachloroethane         | 5.0    | U    | 1.3  | 5.0 |
| Propionitrile             | 20     | U    | 9.2  | 20  |
| 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 | 102   | 75 - 121          |
| Toluene-d8 (Surr)    | 101   | 75 - 120          |

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



## Quality Control Results

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KXS04

**Lab Control Spike/  
Lab Control Spike Duplicate Recovery Report - Batch: 680-129700**

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

LCS Lab Sample ID: LCS 680-129700/4  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 02/10/2009 1112  
Date Prepared: 02/10/2009 1112

Analysis Batch: 680-129700  
Prep Batch: N/A  
Units: ug/L

Instrument ID: GC/MS Volatiles - A C2  
Lab File ID: aq030.d  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-129700/5  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 02/10/2009 1205  
Date Prepared: 02/10/2009 1205

Analysis Batch: 680-129700  
Prep Batch: N/A  
Units: ug/L

Instrument ID: GC/MS Volatiles - A C2  
Lab File ID: aq032.d  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

| Analyte                     | % Rec. |      | Limit    | RPD | RPD Limit | LCS Qual | LCSD Qual |
|-----------------------------|--------|------|----------|-----|-----------|----------|-----------|
|                             | LCS    | LCSD |          |     |           |          |           |
| Acetone                     | 91     | 89   | 17 - 175 | 2   | 50        |          |           |
| Benzene                     | 99     | 96   | 77 - 119 | 3   | 30        |          |           |
| Bromodichloromethane        | 104    | 101  | 78 - 127 | 3   | 30        |          |           |
| Carbon disulfide            | 105    | 105  | 55 - 131 | 0   | 30        |          |           |
| Bromoform                   | 98     | 94   | 62 - 133 | 4   | 30        |          |           |
| Bromomethane                | 101    | 107  | 12 - 184 | 6   | 50        |          |           |
| 2-Butanone                  | 97     | 93   | 33 - 157 | 4   | 30        |          |           |
| Carbon tetrachloride        | 111    | 111  | 71 - 135 | 0   | 30        |          |           |
| Chlorobenzene               | 101    | 98   | 85 - 116 | 3   | 30        |          |           |
| Chloroethane                | 111    | 107  | 40 - 165 | 4   | 50        |          |           |
| Chloroform                  | 108    | 102  | 82 - 120 | 5   | 30        |          |           |
| Chloromethane               | 109    | 114  | 48 - 142 | 5   | 50        |          |           |
| Dibromochloromethane        | 87     | 84   | 75 - 133 | 4   | 30        |          |           |
| 1,2-Dibromo-3-Chloropropane | 90     | 82   | 49 - 140 | 9   | 30        |          |           |
| 1,2-Dibromoethane           | 94     | 92   | 80 - 121 | 2   | 30        |          |           |
| Dibromomethane              | 102    | 97   | 78 - 119 | 5   | 30        |          |           |
| Dichlorodifluoromethane     | 117    | 111  | 34 - 154 | 6   | 30        |          |           |
| 1,1-Dichloroethane          | 105    | 100  | 74 - 127 | 5   | 30        |          |           |
| 1,2-Dichloroethane          | 100    | 96   | 66 - 132 | 4   | 30        |          |           |
| 1,1-Dichloroethene          | 82     | 81   | 62 - 141 | 2   | 30        |          |           |
| 1,2-Dichlorobenzene         | 96     | 92   | 79 - 124 | 4   | 30        |          |           |
| trans-1,2-Dichloroethene    | 90     | 87   | 72 - 131 | 3   | 30        |          |           |
| 1,2-Dichloropropane         | 101    | 99   | 73 - 124 | 2   | 30        |          |           |
| 1,3-Dichlorobenzene         | 99     | 96   | 78 - 125 | 4   | 30        |          |           |
| 1,4-Dichlorobenzene         | 96     | 93   | 81 - 122 | 3   | 30        |          |           |
| cis-1,3-Dichloropropene     | 89     | 86   | 76 - 126 | 3   | 30        |          |           |
| trans-1,3-Dichloropropene   | 103    | 99   | 73 - 128 | 3   | 30        |          |           |
| Ethylbenzene                | 106    | 102  | 86 - 116 | 3   | 30        |          |           |
| 2-Hexanone                  | 109    | 102  | 34 - 161 | 7   | 30        |          |           |
| Methylene Chloride          | 95     | 75   | 70 - 125 | 23  | 30        |          |           |
| 4-Methyl-2-pentanone        | 101    | 97   | 40 - 151 | 4   | 30        |          |           |
| Styrene                     | 104    | 101  | 82 - 122 | 4   | 30        |          |           |

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

## Quality Control Results

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

**Lab Control Spike/  
Lab Control Spike Duplicate Recovery Report - Batch: 680-129700**

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

LCS Lab Sample ID: LCS 680-129700/4  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 02/10/2009 1112  
Date Prepared: 02/10/2009 1112

Analysis Batch: 680-129700  
Prep Batch: N/A  
Units: ug/L

Instrument ID: GC/MS Volatiles - A C2  
Lab File ID: aq030.d  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-129700/5  
Client Matrix: Water  
Dilution: 1.0  
Date Analyzed: 02/10/2009 1205  
Date Prepared: 02/10/2009 1205

Analysis Batch: 680-129700  
Prep Batch: N/A  
Units: ug/L

Instrument ID: GC/MS Volatiles - A C2  
Lab File ID: aq032.d  
Initial Weight/Volume: 5 mL  
Final Weight/Volume: 5 mL

| Analyte                   | % Rec.    |      | Limit      | RPD | RPD Limit         | LCS Qual | LCSD Qual |
|---------------------------|-----------|------|------------|-----|-------------------|----------|-----------|
|                           | LCS       | LCSD |            |     |                   |          |           |
| 1,1,1,2-Tetrachloroethane | 93        | 89   | 81 - 128   | 4   | 30                |          |           |
| 1,1,2,2-Tetrachloroethane | 94        | 88   | 69 - 129   | 7   | 30                |          |           |
| Tetrachloroethene         | 109       | 107  | 76 - 126   | 2   | 30                |          |           |
| Toluene                   | 104       | 102  | 81 - 117   | 2   | 30                |          |           |
| 1,1,1-Trichloroethane     | 94        | 93   | 76 - 127   | 1   | 30                |          |           |
| 1,1,2-Trichloroethane     | 97        | 95   | 75 - 121   | 2   | 30                |          |           |
| Trichloroethene           | 105       | 103  | 84 - 115   | 2   | 30                |          |           |
| Trichlorofluoromethane    | 113       | 109  | 58 - 149   | 3   | 50                |          |           |
| 1,2,3-Trichloropropane    | 94        | 95   | 70 - 130   | 1   | 30                |          |           |
| Vinyl acetate             | 148       | 139  | 10 - 217   | 6   | 30                |          |           |
| Vinyl chloride            | 118       | 121  | 59 - 144   | 2   | 50                |          |           |
| Xylenes, Total            | 107       | 103  | 84 - 118   | 4   | 30                |          |           |
| Surrogate                 | LCS % Rec |      | LCSD % Rec |     | Acceptance Limits |          |           |
| 4-Bromofluorobenzene      | 98        |      | 95         |     | 75 - 120          |          |           |
| Dibromofluoromethane      | 102       |      | 97         |     | 75 - 121          |          |           |
| Toluene-d8 (Surr)         | 98        |      | 96         |     | 75 - 120          |          |           |

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

## Quality Control Results

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

**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  |
| Dichlorobromomethane        | 200    | U    | 33   | 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  |
| Ethylene Dibromide          | 200    | U    | 60   | 200  |
| Dibromomethane              | 200    | U    | 48   | 200  |
| trans-1,4-Dichloro-2-butene | 400    | U    | 120  | 400  |
| 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  |
| trans-1,2-Dichloroethene    | 200    | U    | 39   | 200  |
| 1,2-Dichloropropane         | 200    | U    | 44   | 200  |
| 1,3-Dichlorobenzene         | 200    | U    | 33   | 200  |
| 1,4-Dichlorobenzene         | 200    | U    | 20   | 200  |
| cis-1,3-Dichloropropene     | 200    | U    | 35   | 200  |
| trans-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  |

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

## Quality Control Results

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

**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   |
|-----------------------------|--------|-------------------|-----|------|
| 4-Methyl-2-pentanone (MIBK) | 1000   | U                 | 120 | 1000 |
| Pentachloroethane           | 1000   | U                 | 88  | 1000 |
| Propionitrile               | 4000   | U                 | 840 | 4000 |
| Styrene                     | 200    | U                 | 26  | 200  |
| 1,1,1,2-Tetrachloroethane   | 200    | U                 | 26  | 200  |
| 1,1,2,2-Tetrachloroethane   | 200    | U                 | 56  | 200  |
| Tetrachloroethene           | 200    | U                 | 29  | 200  |
| Toluene                     | 200    | U                 | 32  | 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: 680-44317-1

Sdg Number: KSX04

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 |      |
| Dichlorobromomethane        | 2500         | 2480   | 99     | 64 - 137 |      |
| 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 |      |
| Ethylene Dibromide          | 2500         | 2640   | 106    | 61 - 138 |      |
| Dibromomethane              | 2500         | 2520   | 101    | 61 - 138 |      |
| 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 |      |
| trans-1,2-Dichloroethene    | 2500         | 2150   | 86     | 66 - 127 |      |
| 1,2-Dichloropropane         | 2500         | 2440   | 98     | 66 - 135 |      |
| 1,3-Dichlorobenzene         | 2500         | 2750   | 110    | 74 - 123 |      |
| 1,4-Dichlorobenzene         | 2500         | 2710   | 109    | 75 - 122 |      |
| cis-1,3-Dichloropropene     | 2500         | 2620   | 105    | 66 - 137 |      |
| trans-1,3-Dichloropropene   | 2500         | 2680   | 107    | 64 - 138 |      |
| 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 |      |
| Toluene                     | 2500         | 2570   | 103    | 67 - 132 |      |
| 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: 680-44317-1  
 Sdg Number: KSX04

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: 680-44317-1

Sdg Number: KSX04

**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  |
| Dichlorobromomethane        | 200    | U    | 33   | 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  |
| Ethylene Dibromide          | 200    | U    | 60   | 200  |
| Dibromomethane              | 200    | U    | 48   | 200  |
| trans-1,4-Dichloro-2-butene | 400    | U    | 120  | 400  |
| 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  |
| trans-1,2-Dichloroethene    | 200    | U    | 39   | 200  |
| 1,2-Dichloropropane         | 200    | U    | 44   | 200  |
| 1,3-Dichlorobenzene         | 200    | U    | 33   | 200  |
| 1,4-Dichlorobenzene         | 200    | U    | 20   | 200  |
| cis-1,3-Dichloropropene     | 200    | U    | 35   | 200  |
| trans-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  |

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

## Quality Control Results

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

**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   |
|-----------------------------|--------|------|-----|------|
| 4-Methyl-2-pentanone (MIBK) | 1000   | U    | 120 | 1000 |
| Pentachloroethane           | 1000   | U    | 88  | 1000 |
| Propionitrile               | 4000   | U    | 840 | 4000 |
| Styrene                     | 200    | U    | 26  | 200  |
| 1,1,1,2-Tetrachloroethane   | 200    | U    | 26  | 200  |
| 1,1,2,2-Tetrachloroethane   | 200    | U    | 56  | 200  |
| Tetrachloroethene           | 200    | U    | 29  | 200  |
| Toluene                     | 200    | U    | 32  | 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: 680-44317-1

Sdg Number: KSX04

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 |      |
| Dichlorobromomethane        | 2500         | 2460   | 98     | 64 - 137 |      |
| 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 |      |
| Ethylene Dibromide          | 2500         | 2300   | 92     | 61 - 138 |      |
| Dibromomethane              | 2500         | 2300   | 92     | 61 - 138 |      |
| 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 |      |
| trans-1,2-Dichloroethene    | 2500         | 2070   | 83     | 66 - 127 |      |
| 1,2-Dichloropropane         | 2500         | 2330   | 93     | 66 - 135 |      |
| 1,3-Dichlorobenzene         | 2500         | 2530   | 101    | 74 - 123 |      |
| 1,4-Dichlorobenzene         | 2500         | 2510   | 100    | 75 - 122 |      |
| cis-1,3-Dichloropropene     | 2500         | 2410   | 96     | 66 - 137 |      |
| trans-1,3-Dichloropropene   | 2500         | 2510   | 101    | 64 - 138 |      |
| 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 |      |
| Toluene                     | 2500         | 2420   | 97     | 67 - 132 |      |
| 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: 680-44317-1  
 Sdg Number: KSX04

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.

## Quality Control Results

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

**Method Blank - Batch: 680-129924**

**Method: 8260B**

**Preparation: N/A**

Lab Sample ID: MB 680-129924/5

Analysis Batch: 680-129924

Instrument ID: GC/MS Volatiles - M

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: mq064.d

Dilution: 40

Units: ug/Kg

Initial Weight/Volume: 5 g

Date Analyzed: 02/12/2009 0958

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  |
| Dichlorobromomethane        | 200    | U    | 33   | 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  |
| Ethylene Dibromide          | 200    | U    | 60   | 200  |
| Dibromomethane              | 200    | U    | 48   | 200  |
| trans-1,4-Dichloro-2-butene | 400    | U    | 120  | 400  |
| 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  |
| trans-1,2-Dichloroethene    | 200    | U    | 39   | 200  |
| 1,2-Dichloropropane         | 200    | U    | 44   | 200  |
| 1,3-Dichlorobenzene         | 200    | U    | 33   | 200  |
| 1,4-Dichlorobenzene         | 200    | U    | 20   | 200  |
| cis-1,3-Dichloropropene     | 200    | U    | 35   | 200  |
| trans-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  |

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

## Quality Control Results

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

**Method Blank - Batch: 680-129924**

**Method: 8260B**

**Preparation: N/A**

Lab Sample ID: MB 680-129924/5

Analysis Batch: 680-129924

Instrument ID: GC/MS Volatiles - M

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: mq064.d

Dilution: 40

Units: ug/Kg

Initial Weight/Volume: 5 g

Date Analyzed: 02/12/2009 0958

Final Weight/Volume: 5 mL

Date Prepared: N/A

| Analyte                     | Result | Qual | MDL | RL   |
|-----------------------------|--------|------|-----|------|
| 4-Methyl-2-pentanone (MIBK) | 1000   | U    | 120 | 1000 |
| Pentachloroethane           | 1000   | U    | 88  | 1000 |
| Propionitrile               | 4000   | U    | 840 | 4000 |
| Styrene                     | 200    | U    | 26  | 200  |
| 1,1,1,2-Tetrachloroethane   | 200    | U    | 26  | 200  |
| 1,1,2,2-Tetrachloroethane   | 200    | U    | 56  | 200  |
| Tetrachloroethene           | 200    | U    | 29  | 200  |
| Toluene                     | 36     | J    | 32  | 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 | 84    | 65 - 124          |
| Dibromofluoromethane | 93    | 65 - 124          |
| Toluene-d8 (Surr)    | 93    | 65 - 132          |

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

## Quality Control Results

Client: Solutia Inc.

Job Number: 680-44317-1

Sdg Number: KSX04

Lab Control Spike - Batch: 680-129924

Method: 8260B

Preparation: N/A

Lab Sample ID: LCS 680-129924/4

Analysis Batch: 680-129924

Instrument ID: GC/MS Volatiles - M

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: mq061.d

Dilution: 40

Units: ug/Kg

Initial Weight/Volume: 5 g

Date Analyzed: 02/12/2009 0827

Final Weight/Volume: 5 mL

Date Prepared: N/A

| Analyte                     | Spike Amount | Result | % Rec. | Limit    | Qual |
|-----------------------------|--------------|--------|--------|----------|------|
| Acetone                     | 5000         | 8780   | 176    | 16 - 202 |      |
| Benzene                     | 2500         | 2560   | 102    | 63 - 130 |      |
| Carbon disulfide            | 2500         | 2360   | 94     | 46 - 134 |      |
| Dichlorobromomethane        | 2500         | 2520   | 101    | 64 - 137 |      |
| Bromoform                   | 2500         | 2070   | 83     | 66 - 127 |      |
| Bromomethane                | 2500         | 2380   | 95     | 54 - 146 |      |
| 2-Butanone (MEK)            | 5000         | 3150   | 63     | 19 - 192 |      |
| Carbon tetrachloride        | 2500         | 2250   | 90     | 60 - 136 |      |
| Chlorobenzene               | 2500         | 2250   | 90     | 77 - 120 |      |
| Chloroethane                | 2500         | 1710   | 68     | 26 - 166 |      |
| Chloroform                  | 2500         | 2720   | 109    | 68 - 127 |      |
| Chloromethane               | 2500         | 2750   | 110    | 46 - 137 |      |
| Chlorodibromomethane        | 2500         | 2250   | 90     | 70 - 126 |      |
| 1,2-Dibromo-3-Chloropropane | 2500         | 2240   | 89     | 62 - 140 |      |
| Ethylene Dibromide          | 2500         | 2350   | 94     | 61 - 138 |      |
| Dibromomethane              | 2500         | 2550   | 102    | 61 - 138 |      |
| Dichlorodifluoromethane     | 2500         | 1060   | 42     | 17 - 163 |      |
| 1,1-Dichloroethane          | 2500         | 1890   | 76     | 65 - 130 |      |
| 1,2-Dichloroethane          | 2500         | 2350   | 94     | 62 - 140 |      |
| 1,1-Dichloroethene          | 2500         | 2140   | 86     | 59 - 137 |      |
| 1,2-Dichlorobenzene         | 2500         | 2100   | 84     | 75 - 123 |      |
| trans-1,2-Dichloroethene    | 2500         | 2230   | 89     | 66 - 127 |      |
| 1,2-Dichloropropane         | 2500         | 2650   | 106    | 66 - 135 |      |
| 1,3-Dichlorobenzene         | 2500         | 2050   | 82     | 74 - 123 |      |
| 1,4-Dichlorobenzene         | 2500         | 2070   | 83     | 75 - 122 |      |
| cis-1,3-Dichloropropene     | 2500         | 2610   | 104    | 66 - 137 |      |
| trans-1,3-Dichloropropene   | 2500         | 2580   | 103    | 64 - 138 |      |
| Ethylbenzene                | 2500         | 2290   | 92     | 77 - 121 |      |
| 2-Hexanone                  | 5000         | 5560   | 111    | 47 - 151 |      |
| Methylene Chloride          | 2500         | 2810   | 112    | 65 - 126 |      |
| 4-Methyl-2-pentanone (MIBK) | 5000         | 5900   | 118    | 50 - 148 |      |
| Styrene                     | 2500         | 2170   | 87     | 75 - 123 |      |
| 1,1,1,2-Tetrachloroethane   | 2500         | 2450   | 98     | 72 - 124 |      |
| 1,1,2,2-Tetrachloroethane   | 2500         | 2170   | 87     | 65 - 130 |      |
| Tetrachloroethene           | 2500         | 2190   | 87     | 76 - 120 |      |
| Toluene                     | 2500         | 2530   | 101    | 67 - 132 |      |
| 1,1,1-Trichloroethane       | 2500         | 2110   | 85     | 56 - 140 |      |
| 1,1,2-Trichloroethane       | 2500         | 2560   | 102    | 62 - 138 |      |
| Trichloroethene             | 2500         | 2300   | 92     | 68 - 133 |      |
| Trichlorofluoromethane      | 2500         | 621    | 25     | 33 - 152 | *    |
| 1,2,3-Trichloropropane      | 2500         | 2110   | 84     | 65 - 132 |      |

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

Quality Control Results

Client: Solutia Inc.
 Job Number: 680-44317-1  
 Sdg Number: KSX04

Lab Control Spike - Batch: 680-129924
 Method: 8260B  
 Preparation: N/A

|                |                  |                 |            |                        |                     |
|----------------|------------------|-----------------|------------|------------------------|---------------------|
| Lab Sample ID: | LCS 680-129924/4 | Analysis Batch: | 680-129924 | Instrument ID:         | GC/MS Volatiles - M |
| Client Matrix: | Solid            | Prep Batch:     | N/A        | Lab File ID:           | mq061.d             |
| Dilution:      | 40               | Units:          | ug/Kg      | Initial Weight/Volume: | 5 g                 |
| Date Analyzed: | 02/12/2009 0827  |                 |            | Final Weight/Volume:   | 5 mL                |
| Date Prepared: | N/A              |                 |            |                        |                     |

| Analyte              | Spike Amount | Result | % Rec.            | Limit    | Qual |
|----------------------|--------------|--------|-------------------|----------|------|
| Vinyl acetate        | 5000         | 6170   | 123               | 10 - 254 |      |
| Vinyl chloride       | 2500         | 2800   | 112               | 56 - 139 |      |
| Xylenes, Total       | 7500         | 6410   | 85                | 76 - 122 |      |
| Surrogate            | % Rec        |        | Acceptance Limits |          |      |
| 4-Bromofluorobenzene | 88           |        | 65 - 124          |          |      |
| Dibromofluoromethane | 102          |        | 65 - 124          |          |      |
| Toluene-d8 (Surr)    | 99           |        | 65 - 132          |          |      |

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

Serial Number 013979

## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

## TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah  
5102 LaRoche Avenue  
Savannah, GA 31404Website: 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 2         |  |
|-----------------------------------------------|------|------------------------------|--|------------------|--|----------------------------------------------------|--|---------------------------------------|--|---------------------|--|
| TAL (LAB) PROJECT MANAGER                     |      | P.O. NUMBER                  |  | CONTRACT NO.     |  | COMPOSITE (C) OR GRAB (G) INDICATE                 |  | STANDARD REPORT DELIVERY              |  | DATE DUE            |  |
| CLIENT (SITE) PM                              |      | CLIENT PHONE                 |  | CLIENT FAX       |  | AQUEOUS (WATER)                                    |  | EXPEDITED REPORT DELIVERY (SURCHARGE) |  | DATE DUE            |  |
| CLIENT NAME                                   |      | CLIENT E-MAIL                |  |                  |  | SOLID OR SEMISOLID                                 |  |                                       |  |                     |  |
| CLIENT ADDRESS                                |      |                              |  |                  |  | AIR                                                |  |                                       |  |                     |  |
| COMPANY CONTRACTING THIS WORK (if applicable) |      |                              |  |                  |  | NONAQUEOUS LIQUID (OIL, SOLVENT, ...)              |  |                                       |  |                     |  |
| SAMPLE                                        |      | SAMPLE IDENTIFICATION        |  |                  |  |                                                    |  | NUMBER OF CONTAINERS SUBMITTED        |  | REMARKS             |  |
| DATE                                          | TIME |                              |  |                  |  |                                                    |  |                                       |  |                     |  |
| 1/24/09                                       | —    | W6K-Sigmo-BAS-1B3-TB         |  |                  |  |                                                    |  | 2                                     |  | see notes on bottom |  |
| 1/24/09                                       | 0840 | W6K-Sigmo-BAS-173-7.5-8-5    |  |                  |  |                                                    |  | 4                                     |  |                     |  |
| 1/27/09                                       | 0935 | W6K-Sigmo-BAS-180-14-14.5-5  |  |                  |  |                                                    |  | 4                                     |  |                     |  |
| 1/27/09                                       | 0935 | W6K-Sigmo-BAS-180-14-14.5-MS |  |                  |  |                                                    |  | 3                                     |  |                     |  |
| 1/27/09                                       | 0935 | W6K-Sigmo-BAS-180-14-14.5-MS |  |                  |  |                                                    |  | 3                                     |  |                     |  |
| 1/27/09                                       | 0935 | W6K-Sigmo-BAS-180-14-14.5-MS |  |                  |  |                                                    |  | 3                                     |  |                     |  |
| 1/27/09                                       | 1150 | W6K-Sigmo-BAS-115-10-10.5-5  |  |                  |  |                                                    |  | 4                                     |  |                     |  |
| 1/27/09                                       | 1155 | W6K-Sigmo-BAS-120-14-14.5-5  |  |                  |  |                                                    |  | 4                                     |  |                     |  |
| 1/27/09                                       | 1255 | W6K-Sigmo-BAS-130-15-15.5-5  |  |                  |  |                                                    |  | 4                                     |  |                     |  |
| 1/27/09                                       | 1410 | W6K-Sigmo-BAS-145-7.5-8-5    |  |                  |  |                                                    |  | 4                                     |  |                     |  |
| 1/27/09                                       | 1540 | W6K-Sigmo-BAS-145-14.5-15-5  |  |                  |  |                                                    |  | 4                                     |  |                     |  |
| 1/27/09                                       | 1600 | W6K-Sigmo-BAS-145-14.5-15-5  |  |                  |  |                                                    |  | 4                                     |  |                     |  |
| 1/27/09                                       | 1640 | W6K-Sigmo-BAS-015-7.5-8-5    |  |                  |  |                                                    |  | 4                                     |  |                     |  |
| RECEIVED BY: (SIGNATURE)                      |      | DATE                         |  | TIME             |  | RELINQUISHED BY: (SIGNATURE)                       |  | DATE                                  |  | TIME                |  |
| RELINQUISHED BY: (SIGNATURE)                  |      | DATE                         |  | TIME             |  | RECEIVED BY: (SIGNATURE)                           |  | DATE                                  |  | TIME                |  |
| RECEIVED FOR LABORATORY BY: (SIGNATURE)       |      | DATE                         |  | TIME             |  | CUSTODY SEAL NO.                                   |  | SAVANNAH LOG NO.                      |  | LABORATORY REMARKS  |  |
| 1/24/09                                       |      | 013009                       |  | 1043             |  | YES <input type="radio"/> NO <input type="radio"/> |  | 68044317                              |  | 0.2 TEMP            |  |

Sample submitted for testing  
use dry for 1810

IN MEMPHIS ARCHIVE

Notes: level 12



## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

THE LEADER IN ENVIRONMENTAL TESTING

**TeslaAmerica Savannah**  
5702 LaRoche Avenue  
Savannah, GA 31404

☐ Alternate Laboratory Name/Location

Phone:  
Fax:

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

Serial Number 013984

[illegible]

**US EPA ARCHIVE DOCUMENT**



## ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Serial Number 013980

THE LEADER IN ENVIRONMENTAL TESTING

☒ TestAmerica Savannah  
5102 LaRoche Avenue  
Savannah, GA 31404

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

Fax:

| PROJECT REFERENCE                       |      | PROJECT NO.                                   |  | PROJECT LOCATION                   |  | MATRIX TYPE                                        |  | REQUIRED ANALYSIS              |  | PAGE 1 OF          |  |
|-----------------------------------------|------|-----------------------------------------------|--|------------------------------------|--|----------------------------------------------------|--|--------------------------------|--|--------------------|--|
| Sugget, IL                              |      | 04013-61                                      |  | IL                                 |  |                                                    |  |                                |  |                    |  |
| TAL (LAB) PROJECT MANAGER               |      | P.O. NUMBER                                   |  | CONTRACT NO.                       |  |                                                    |  |                                |  |                    |  |
| L. G. G. G. G.                          |      | —                                             |  | —                                  |  |                                                    |  |                                |  |                    |  |
| CLIENT (SITE) PM                        |      | CLIENT PHONE                                  |  | CLIENT FAX                         |  |                                                    |  |                                |  |                    |  |
| J. Parikh                               |      | 603 748 1100                                  |  | 603 748 2121                       |  |                                                    |  |                                |  |                    |  |
| CLIENT NAME                             |      | CLIENT E-MAIL                                 |  |                                    |  |                                                    |  |                                |  |                    |  |
| XDO, LLC                                |      | parikh@xdo-llc.com                            |  |                                    |  |                                                    |  |                                |  |                    |  |
| CLIENT ADDRESS                          |      | COMPANY CONTRACTING THIS WORK (if applicable) |  |                                    |  |                                                    |  |                                |  |                    |  |
| 24 Main Way, #3                         |      | Spartan, NH 03885                             |  |                                    |  |                                                    |  |                                |  |                    |  |
| Scheda, Inc (Bill to)                   |      |                                               |  |                                    |  |                                                    |  |                                |  |                    |  |
| SAMPLE                                  |      | SAMPLE IDENTIFICATION                         |  | COMPOSITE (C) OR GRAB (G) INDICATE |  | PRESERVATIVE                                       |  | NUMBER OF CONTAINERS SUBMITTED |  | REMARKS            |  |
| DATE                                    | TIME |                                               |  | AQUEOUS (WATER)                    |  | SOLID OR SEMISOLID                                 |  |                                |  |                    |  |
| 1/30/09                                 | —    | WBK-Bigmo-BAS-7B1-7B3                         |  | AIR                                |  | NONAQUEOUS LIQUID (OIL, SOLVENT, ...)              |  |                                |  |                    |  |
| 1/30/09                                 | 0805 | WBK-Bigmo-BAS-19E-N.5-15-S                    |  | ✓                                  |  | ✓                                                  |  | 2                              |  | ✓                  |  |
| 1/30/09                                 | 0830 | WBK-Bigmo-BAS-30I-14.5-15-S                   |  | ✓                                  |  | ✓                                                  |  | 4                              |  | ✓                  |  |
| 1/30/09                                 | 0830 | WBK-Bigmo-BAS-30I-14.5-15-S                   |  | ✓                                  |  | ✓                                                  |  | 4                              |  | ✓                  |  |
| 1/30/09                                 | 0830 | WBK-Bigmo-BAS-30I-14.5-15-S                   |  | ✓                                  |  | ✓                                                  |  | 3                              |  | ✓                  |  |
| 1/30/09                                 | 0830 | WBK-Bigmo-BAS-30I-14.5-15-S                   |  | ✓                                  |  | ✓                                                  |  | 3                              |  | ✓                  |  |
| 1/30/09                                 | 0815 | WBK-Bigmo-BAS-02A-10-11-S                     |  | ✓                                  |  | ✓                                                  |  | 4                              |  | ✓                  |  |
| 1/30/09                                 | 0950 | WBK-Bigmo-BAS-21I-14.35-15.35-S               |  | ✓                                  |  | ✓                                                  |  | 4                              |  | ✓                  |  |
| 1/30/09                                 | 1005 | WBK-Bigmo-BAS-22I-14.5-15-S                   |  | ✓                                  |  | ✓                                                  |  | 4                              |  | ✓                  |  |
| RECEIVED BY: (SIGNATURE)                |      | DATE                                          |  | TIME                               |  | RECEIVED BY: (SIGNATURE)                           |  | DATE                           |  | TIME               |  |
| [Signature]                             |      | 1/30/09                                       |  | 1200                               |  | [Signature]                                        |  | 1/30/09                        |  | 1240               |  |
| RECEIVED FOR LABORATORY BY: (SIGNATURE) |      | DATE                                          |  | TIME                               |  | CUSTODY SEAL NO.                                   |  | SAVANNAH LOG NO.               |  | LABORATORY REMARKS |  |
| [Signature]                             |      | 1/30/09                                       |  | 1200                               |  | YES <input type="radio"/> NO <input type="radio"/> |  | 680-44330                      |  | 0.8°C              |  |

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Notes: (over TV data)

**US EPA ARCHIVE DOCUMENT**

## Login Sample Receipt Check List

Client: Solutia Inc.

Job Number: 680-44317-1

SDG Number: KSX04

Login Number: 44317

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       | 0.2 C                                                        |
| COC is present.                                                                  | True       |                                                              |
| COC is filled out in ink and legible.                                            | True       |                                                              |
| COC is filled out with all pertinent information.                                | True       |                                                              |
| There are no discrepancies between the sample IDs on the containers and the COC. | False      | Time discrepancy between COC & containers for -13D and -14S. |
| 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: 680-44317-1

SDG Number: KSX04

Login Number: 44330

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       | 0.8 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        |         |