

US EPA ARCHIVE DOCUMENT

## ANALYTICAL REPORT

Job Number: 680-57565-1

SDG Number: KSX024

Job Description: WGK SVE Del. Soils 5/11/10 (XDD)

For:

Solutia Inc.

575 Maryville Centre Dr.

Saint Louis, MO 63141

Attention: Mr. William G Johnson



Approved for release.  
Lidya Gulizia  
Project Manager I  
6/28/2010 3:19 PM

Lidya Gulizia

Project Manager I

lidya.gulizia@testamericainc.com

06/28/2010

cc: Mr. Scott Crawford  
Erin Stanisewski

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

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**Job Narrative**  
**680-57565-1 / SDG KSX024**

**Receipt**

All samples were received in good condition within temperature requirements.

**GC/MS VOA**

Method(s) 8260B: Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported: XDD-SS-03S (7.5-8') (680-57565-1), XDD-SS-08S (7.5-8') (680-57565-2), XDD-SS-101S (7.5-8') (680-57565-3).

No other analytical or quality issues were noted.

**General Chemistry**

No analytical or quality issues were noted.

**Comments**

No additional comments.

## METHOD SUMMARY

Client: Solutia Inc.

Job Number: 680-57565-1

Sdg Number: KSX024

Description	Lab Location	Method	Preparation Method
<b>Matrix: Solid</b>			
Volatile Organic Compounds (GC/MS)	TAL SAV	SW846 8260B	
Closed System Purge and Trap	TAL SAV		SW846 5035

### 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: 680-57565-1

Sdg Number: KSX024

<b>Method</b>	<b>Analyst</b>	<b>Analyst ID</b>
SW846 8260B	Sokolin, Eleina	ES

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## SAMPLE SUMMARY

Client: Solutia Inc.

Job Number: 680-57565-1

Sdg Number: KSX024

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-57565-1	XDD-SS-03S (7.5-8')	Solid	05/11/2010 1255	05/12/2010 0921
680-57565-2	XDD-SS-08S (7.5-8')	Solid	05/11/2010 1350	05/12/2010 0921
680-57565-3	XDD-SS-101S (7.5-8')	Solid	05/11/2010 1320	05/12/2010 0921
680-57565-4	XDD-SS-102S (7.5-8')	Solid	05/11/2010 1425	05/12/2010 0921
680-57565-5FD	XDD-SS-102S (7.5-8') DUP	Solid	05/11/2010 1425	05/12/2010 0921
680-57565-6	XDD-SS-08S (7-7.5')	Solid	05/11/2010 1355	05/12/2010 0921
680-57565-7	XDD-SS-03S (7-7.5)	Solid	05/11/2010 1300	05/12/2010 0921
680-57565-8	XDD-SS-101 (7-7.5)	Solid	05/11/2010 1325	05/12/2010 0921

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## **SAMPLE RESULTS**

Analytical Data

Client: Solutia Inc.

Job Number: 680-57565-1

Sdg Number: KSX024

Client Sample ID: XDD-SS-03S (7.5-8')

Lab Sample ID: 680-57565-1

Date Sampled: 05/11/2010 1255

Client Matrix: Solid

% Moisture: 32.5

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-168786	Instrument ID:	MSL
Preparation:	5035	Prep Batch: 680-168515	Lab File ID:	I0008.d
Dilution:	2000		Initial Weight/Volume:	5.1 g
Date Analyzed:	05/17/2010 1540		Final Weight/Volume:	10 g
Date Prepared:	05/14/2010 0835			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		290000	U	64000	290000
Acetonitrile		1200000	U	240000	1200000
Acrolein		580000	U	140000	580000
Acrylonitrile		580000	U	200000	580000
Benzene		200000		4200	29000
Bromoform		29000	U	8700	29000
Bromomethane		29000	U	8700	29000
2-Butanone (MEK)		150000	U	14000	150000
Carbon disulfide		29000	U	6400	29000
Carbon tetrachloride		29000	U	4800	29000
Chlorobenzene		29000	U	5600	29000
2-Chloro-1,3-butadiene		29000	U	12000	29000
Chlorodibromomethane		29000	U	9900	29000
Chloroethane		29000	U	16000	29000
Chloroform		29000	U	6400	29000
Chloromethane		29000	U	5800	29000
3-Chloro-1-propene		29000	U	13000	29000
cis-1,3-Dichloropropene		29000	U	4800	29000
1,2-Dibromo-3-Chloropropane		58000	U	26000	58000
Dibromomethane		29000	U	9900	29000
1,2-Dichlorobenzene		29000	U	7600	29000
1,3-Dichlorobenzene		29000	U	9300	29000
1,4-Dichlorobenzene		29000	U	4300	29000
Dichlorobromomethane		29000	U	5600	29000
Dichlorodifluoromethane		29000	U	5500	29000
1,1-Dichloroethane		29000	U	6400	29000
1,2-Dichloroethane		29000	U	6400	29000
1,1-Dichloroethene		29000	U	8700	29000
1,2-Dichloropropane		29000	U	5000	29000
Ethylbenzene		29000	U	7600	29000
Ethylene Dibromide		29000	U	8700	29000
Ethyl methacrylate		29000	U	20000	29000
2-Hexanone		150000	U	19000	150000
Iodomethane		29000	U	10000	29000
Isobutyl alcohol		1200000	U	300000	1200000
Methacrylonitrile		580000	U	130000	580000
Methylene Chloride		29000	U	5700	29000
Methyl methacrylate		58000	U	26000	58000
4-Methyl-2-pentanone (MIBK)		150000	U	24000	150000
Pentachloroethane		150000	U	37000	150000
Propionitrile		580000	U	150000	580000
Styrene		29000	U	5400	29000
1,1,1,2-Tetrachloroethane		29000	U	14000	29000
1,1,2,2-Tetrachloroethane		29000	U	9300	29000
Tetrachloroethene		29000	U	11000	29000
Toluene		29000	U	4900	29000

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Analytical Data

Client: Solutia Inc.

Job Number: 680-57565-1

Sdg Number: KSX024

Client Sample ID: XDD-SS-03S (7.5-8')

Lab Sample ID: 680-57565-1

Date Sampled: 05/11/2010 1255

Client Matrix: Solid

% Moisture: 32.5

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-168786	Instrument ID:	MSL
Preparation:	5035	Prep Batch: 680-168515	Lab File ID:	I0008.d
Dilution:	2000		Initial Weight/Volume:	5.1 g
Date Analyzed:	05/17/2010 1540		Final Weight/Volume:	10 g
Date Prepared:	05/14/2010 0835			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
trans-1,4-Dichloro-2-butene		58000	U	17000	58000
trans-1,2-Dichloroethene		29000	U	3700	29000
trans-1,3-Dichloropropene		29000	U	5100	29000
1,1,1-Trichloroethane		29000	U	3400	29000
1,1,2-Trichloroethane		29000	U	7600	29000
Trichloroethene		29000	U	7600	29000
Trichlorofluoromethane		29000	U	7000	29000
1,2,3-Trichloropropane		29000	U	14000	29000
Vinyl acetate		58000	U	15000	58000
Vinyl chloride		29000	U	8700	29000
Xylenes, Total		58000	U	6400	58000

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

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Analytical Data

Client: Solutia Inc.

Job Number: 680-57565-1

Sdg Number: KSX024

Client Sample ID: XDD-SS-08S (7.5-8')

Lab Sample ID: 680-57565-2

Date Sampled: 05/11/2010 1350

Client Matrix: Solid

% Moisture: 34.0

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-168786	Instrument ID:	MSL
Preparation:	5035	Prep Batch: 680-168515	Lab File ID:	I0009.d
Dilution:	2000		Initial Weight/Volume:	4.9 g
Date Analyzed:	05/17/2010 1602		Final Weight/Volume:	10 g
Date Prepared:	05/14/2010 0835			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		310000	U	68000	310000
Acetonitrile		1200000	U	250000	1200000
Acrolein		620000	U	150000	620000
Acrylonitrile		620000	U	210000	620000
Benzene		200000		4500	31000
Bromoform		31000	U	9300	31000
Bromomethane		31000	U	9300	31000
2-Butanone (MEK)		150000	U	15000	150000
Carbon disulfide		31000	U	6800	31000
Carbon tetrachloride		31000	U	5100	31000
Chlorobenzene		31000	U	5900	31000
2-Chloro-1,3-butadiene		31000	U	13000	31000
Chlorodibromomethane		31000	U	11000	31000
Chloroethane		31000	U	17000	31000
Chloroform		31000	U	6800	31000
Chloromethane		31000	U	6200	31000
3-Chloro-1-propene		31000	U	14000	31000
cis-1,3-Dichloropropene		31000	U	5100	31000
1,2-Dibromo-3-Chloropropane		62000	U	27000	62000
Dibromomethane		31000	U	11000	31000
1,2-Dichlorobenzene		31000	U	8000	31000
1,3-Dichlorobenzene		31000	U	9900	31000
1,4-Dichlorobenzene		31000	U	4600	31000
Dichlorobromomethane		31000	U	6000	31000
Dichlorodifluoromethane		31000	U	5800	31000
1,1-Dichloroethane		31000	U	6800	31000
1,2-Dichloroethane		31000	U	6800	31000
1,1-Dichloroethene		31000	U	9300	31000
1,2-Dichloropropane		31000	U	5300	31000
Ethylbenzene		31000	U	8000	31000
Ethylene Dibromide		31000	U	9300	31000
Ethyl methacrylate		31000	U	21000	31000
2-Hexanone		150000	U	20000	150000
Iodomethane		31000	U	11000	31000
Isobutyl alcohol		1200000	U	320000	1200000
Methacrylonitrile		620000	U	140000	620000
Methylene Chloride		31000	U	6100	31000
Methyl methacrylate		62000	U	28000	62000
4-Methyl-2-pentanone (MIBK)		150000	U	26000	150000
Pentachloroethane		150000	U	39000	150000
Propionitrile		620000	U	160000	620000
Styrene		31000	U	5700	31000
1,1,1,2-Tetrachloroethane		31000	U	15000	31000
1,1,1,2,2-Tetrachloroethane		31000	U	9900	31000
Tetrachloroethene		31000	U	12000	31000
Toluene		31000	U	5200	31000

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Analytical Data

Client: Solutia Inc.

Job Number: 680-57565-1

Sdg Number: KSX024

Client Sample ID: XDD-SS-08S (7.5-8')

Lab Sample ID: 680-57565-2

Date Sampled: 05/11/2010 1350

Client Matrix: Solid

% Moisture: 34.0

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-168786	Instrument ID:	MSL
Preparation:	5035	Prep Batch: 680-168515	Lab File ID:	I0009.d
Dilution:	2000		Initial Weight/Volume:	4.9 g
Date Analyzed:	05/17/2010 1602		Final Weight/Volume:	10 g
Date Prepared:	05/14/2010 0835			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
trans-1,4-Dichloro-2-butene		62000	U	18000	62000
trans-1,2-Dichloroethene		31000	U	3900	31000
trans-1,3-Dichloropropene		31000	U	5400	31000
1,1,1-Trichloroethane		31000	U	3600	31000
1,1,2-Trichloroethane		31000	U	8000	31000
Trichloroethene		31000	U	8000	31000
Trichlorofluoromethane		31000	U	7400	31000
1,2,3-Trichloropropane		31000	U	15000	31000
Vinyl acetate		62000	U	15000	62000
Vinyl chloride		31000	U	9300	31000
Xylenes, Total		62000	U	6800	62000

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

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Analytical Data

Client: Solutia Inc.

Job Number: 680-57565-1

Sdg Number: KSX024

Client Sample ID: XDD-SS-101S (7.5-8')

Lab Sample ID: 680-57565-3

Date Sampled: 05/11/2010 1320

Client Matrix: Solid

% Moisture: 23.0

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-168786	Instrument ID:	MSL
Preparation:	5035	Prep Batch: 680-168515	Lab File ID:	I0010.d
Dilution:	20000		Initial Weight/Volume:	5.6 g
Date Analyzed:	05/17/2010 1624		Final Weight/Volume:	10 g
Date Prepared:	05/14/2010 0835			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		2300000	U	510000	2300000
Acetonitrile		9300000	U	1900000	9300000
Acrolein		4600000	U	1100000	4600000
Acrylonitrile		4600000	U	1600000	4600000
Benzene		6500000		34000	230000
Bromoform		230000	U	70000	230000
Bromomethane		230000	U	70000	230000
2-Butanone (MEK)		1200000	U	110000	1200000
Carbon disulfide		230000	U	51000	230000
Carbon tetrachloride		230000	U	38000	230000
Chlorobenzene		230000	U	45000	230000
2-Chloro-1,3-butadiene		230000	U	97000	230000
Chlorodibromomethane		230000	U	79000	230000
Chloroethane		230000	U	130000	230000
Chloroform		230000	U	51000	230000
Chloromethane		230000	U	46000	230000
3-Chloro-1-propene		230000	U	100000	230000
cis-1,3-Dichloropropene		230000	U	38000	230000
1,2-Dibromo-3-Chloropropane		460000	U	200000	460000
Dibromomethane		230000	U	79000	230000
1,2-Dichlorobenzene		230000	U	60000	230000
1,3-Dichlorobenzene		230000	U	74000	230000
1,4-Dichlorobenzene		230000	U	34000	230000
Dichlorobromomethane		230000	U	45000	230000
Dichlorodifluoromethane		230000	U	44000	230000
1,1-Dichloroethane		230000	U	51000	230000
1,2-Dichloroethane		230000	U	51000	230000
1,1-Dichloroethene		230000	U	70000	230000
1,2-Dichloropropane		230000	U	40000	230000
Ethylbenzene		230000	U	60000	230000
Ethylene Dibromide		230000	U	70000	230000
Ethyl methacrylate		230000	U	160000	230000
2-Hexanone		1200000	U	150000	1200000
Iodomethane		230000	U	83000	230000
Isobutyl alcohol		9300000	U	2400000	9300000
Methacrylonitrile		4600000	U	1100000	4600000
Methylene Chloride		230000	U	45000	230000
Methyl methacrylate		460000	U	210000	460000
4-Methyl-2-pentanone (MIBK)		1200000	U	190000	1200000
Pentachloroethane		1200000	U	290000	1200000
Propionitrile		4600000	U	1200000	4600000
Styrene		230000	U	43000	230000
1,1,1,2-Tetrachloroethane		230000	U	110000	230000
1,1,1,2,2-Tetrachloroethane		230000	U	74000	230000
Tetrachloroethene		230000	U	88000	230000
Toluene		230000	U	39000	230000

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Analytical Data

Client: Solutia Inc.

Job Number: 680-57565-1

Sdg Number: KSX024

Client Sample ID: XDD-SS-101S (7.5-8')

Lab Sample ID: 680-57565-3

Date Sampled: 05/11/2010 1320

Client Matrix: Solid

% Moisture: 23.0

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-168786	Instrument ID:	MSL
Preparation:	5035	Prep Batch: 680-168515	Lab File ID:	I0010.d
Dilution:	20000		Initial Weight/Volume:	5.6 g
Date Analyzed:	05/17/2010 1624		Final Weight/Volume:	10 g
Date Prepared:	05/14/2010 0835			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
trans-1,4-Dichloro-2-butene		460000	U	130000	460000
trans-1,2-Dichloroethene		230000	U	29000	230000
trans-1,3-Dichloropropene		230000	U	40000	230000
1,1,1-Trichloroethane		230000	U	27000	230000
1,1,2-Trichloroethane		230000	U	60000	230000
Trichloroethene		230000	U	60000	230000
Trichlorofluoromethane		230000	U	56000	230000
1,2,3-Trichloropropane		230000	U	110000	230000
Vinyl acetate		460000	U	120000	460000
Vinyl chloride		230000	U	70000	230000
Xylenes, Total		460000	U	51000	460000

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

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Analytical Data

Client: Solutia Inc.

Job Number: 680-57565-1

Sdg Number: KSX024

Client Sample ID: XDD-SS-102S (7.5-8')

Lab Sample ID: 680-57565-4

Date Sampled: 05/11/2010 1425

Client Matrix: Solid

% Moisture: 29.4

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-168786	Instrument ID:	MSL
Preparation:	5035	Prep Batch: 680-168515	Lab File ID:	I0017.d
Dilution:	200		Initial Weight/Volume:	5.6 g
Date Analyzed:	05/17/2010 1854		Final Weight/Volume:	10 g
Date Prepared:	05/14/2010 0835			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		25000	U	5600	25000
Acetonitrile		100000	U	21000	100000
Acrolein		51000	U	12000	51000
Acrylonitrile		51000	U	17000	51000
Benzene		29000		370	2500
Bromoform		2500	U	760	2500
Bromomethane		2500	U	760	2500
2-Butanone (MEK)		13000	U	1200	13000
Carbon disulfide		2500	U	560	2500
Carbon tetrachloride		2500	U	420	2500
Chlorobenzene		550	J	490	2500
2-Chloro-1,3-butadiene		2500	U	1100	2500
Chlorodibromomethane		2500	U	860	2500
Chloroethane		2500	U	1400	2500
Chloroform		2500	U	560	2500
Chloromethane		2500	U	510	2500
3-Chloro-1-propene		2500	U	1100	2500
cis-1,3-Dichloropropene		2500	U	420	2500
1,2-Dibromo-3-Chloropropane		5100	U	2200	5100
Dibromomethane		2500	U	860	2500
1,2-Dichlorobenzene		2500	U	660	2500
1,3-Dichlorobenzene		2500	U	810	2500
1,4-Dichlorobenzene		1100	J	370	2500
Dichlorobromomethane		2500	U	490	2500
Dichlorodifluoromethane		2500	U	480	2500
1,1-Dichloroethane		2500	U	560	2500
1,2-Dichloroethane		2500	U	560	2500
1,1-Dichloroethene		2500	U	760	2500
1,2-Dichloropropane		2500	U	440	2500
Ethylbenzene		2500	U	660	2500
Ethylene Dibromide		2500	U	760	2500
Ethyl methacrylate		2500	U	1700	2500
2-Hexanone		13000	U	1700	13000
Iodomethane		2500	U	910	2500
Isobutyl alcohol		100000	U	26000	100000
Methacrylonitrile		51000	U	12000	51000
Methylene Chloride		2500	U	500	2500
Methyl methacrylate		5100	U	2300	5100
4-Methyl-2-pentanone (MIBK)		13000	U	2100	13000
Pentachloroethane		13000	U	3200	13000
Propionitrile		51000	U	13000	51000
Styrene		2500	U	470	2500
1,1,1,2-Tetrachloroethane		2500	U	1200	2500
1,1,2,2-Tetrachloroethane		2500	U	810	2500
Tetrachloroethene		2500	U	960	2500
Toluene		2500	U	430	2500

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**Analytical Data**

Client: Solutia Inc.

Job Number: 680-57565-1  
Sdg Number: KSX024

**Client Sample ID: XDD-SS-102S (7.5-8')**

Lab Sample ID: 680-57565-4

Date Sampled: 05/11/2010 1425

Client Matrix: Solid

% Moisture: 29.4

Date Received: 05/12/2010 0921

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

Method:	8260B	Analysis Batch: 680-168786	Instrument ID:	MSL
Preparation:	5035	Prep Batch: 680-168515	Lab File ID:	I0017.d
Dilution:	200		Initial Weight/Volume:	5.6 g
Date Analyzed:	05/17/2010 1854		Final Weight/Volume:	10 g
Date Prepared:	05/14/2010 0835			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
trans-1,4-Dichloro-2-butene		5100	U	1500	5100
trans-1,2-Dichloroethene		2500	U	320	2500
trans-1,3-Dichloropropene		2500	U	440	2500
1,1,1-Trichloroethane		2500	U	300	2500
1,1,2-Trichloroethane		2500	U	660	2500
Trichloroethene		2500	U	660	2500
Trichlorofluoromethane		2500	U	610	2500
1,2,3-Trichloropropane		2500	U	1200	2500
Vinyl acetate		5100	U	1300	5100
Vinyl chloride		2500	U	760	2500
Xylenes, Total		5100	U	560	5100

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	79		65 - 124
Dibromofluoromethane	95		65 - 124
Toluene-d8 (Surr)	81		65 - 132

US EPA ARCHIVE DOCUMENT

Analytical Data

Client: Solutia Inc.

Job Number: 680-57565-1

Sdg Number: KSX024

Client Sample ID: XDD-SS-102S (7.5-8') DUP

Lab Sample ID: 680-57565-5FD

Date Sampled: 05/11/2010 1425

Client Matrix: Solid

% Moisture: 28.8

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-168786	Instrument ID:	MSL
Preparation:	5035	Prep Batch: 680-168515	Lab File ID:	I0016.d
Dilution:	200		Initial Weight/Volume:	5.0 g
Date Analyzed:	05/17/2010 1832		Final Weight/Volume:	10 g
Date Prepared:	05/14/2010 0835			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		28000	U	6200	28000
Acetonitrile		110000	U	23000	110000
Acrolein		56000	U	13000	56000
Acrylonitrile		56000	U	19000	56000
Benzene		28000		410	2800
Bromoform		2800	U	840	2800
Bromomethane		2800	U	840	2800
2-Butanone (MEK)		14000	U	1300	14000
Carbon disulfide		2800	U	620	2800
Carbon tetrachloride		2800	U	470	2800
Chlorobenzene		1200	J	540	2800
2-Chloro-1,3-butadiene		2800	U	1200	2800
Chlorodibromomethane		2800	U	960	2800
Chloroethane		2800	U	1500	2800
Chloroform		2800	U	620	2800
Chloromethane		2800	U	560	2800
3-Chloro-1-propene		2800	U	1200	2800
cis-1,3-Dichloropropene		2800	U	470	2800
1,2-Dibromo-3-Chloropropane		5600	U	2500	5600
Dibromomethane		2800	U	960	2800
1,2-Dichlorobenzene		2800	U	730	2800
1,3-Dichlorobenzene		2800	U	900	2800
1,4-Dichlorobenzene		1700	J	420	2800
Dichlorobromomethane		2800	U	550	2800
Dichlorodifluoromethane		2800	U	530	2800
1,1-Dichloroethane		2800	U	620	2800
1,2-Dichloroethane		2800	U	620	2800
1,1-Dichloroethene		2800	U	840	2800
1,2-Dichloropropane		2800	U	480	2800
Ethylbenzene		2800	U	730	2800
Ethylene Dibromide		2800	U	840	2800
Ethyl methacrylate		2800	U	1900	2800
2-Hexanone		14000	U	1900	14000
Iodomethane		2800	U	1000	2800
Isobutyl alcohol		110000	U	29000	110000
Methacrylonitrile		56000	U	13000	56000
Methylene Chloride		2800	U	550	2800
Methyl methacrylate		5600	U	2500	5600
4-Methyl-2-pentanone (MIBK)		14000	U	2400	14000
Pentachloroethane		14000	U	3500	14000
Propionitrile		56000	U	15000	56000
Styrene		2800	U	520	2800
1,1,1,2-Tetrachloroethane		2800	U	1300	2800
1,1,2,2-Tetrachloroethane		2800	U	900	2800
Tetrachloroethene		2800	U	1100	2800
Toluene		640	J	470	2800

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**Analytical Data**

Client: Solutia Inc.

Job Number: 680-57565-1  
Sdg Number: KSX024

**Client Sample ID: XDD-SS-102S (7.5-8') DUP**

Lab Sample ID: 680-57565-5FD  
Client Matrix: Solid

% Moisture: 28.8

Date Sampled: 05/11/2010 1425  
Date Received: 05/12/2010 0921

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

Method:	8260B	Analysis Batch: 680-168786	Instrument ID:	MSL
Preparation:	5035	Prep Batch: 680-168515	Lab File ID:	I0016.d
Dilution:	200		Initial Weight/Volume:	5.0 g
Date Analyzed:	05/17/2010 1832		Final Weight/Volume:	10 g
Date Prepared:	05/14/2010 0835			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
trans-1,4-Dichloro-2-butene		5600	U	1600	5600
trans-1,2-Dichloroethene		2800	U	350	2800
trans-1,3-Dichloropropene		2800	U	490	2800
1,1,1-Trichloroethane		2800	U	330	2800
1,1,2-Trichloroethane		2800	U	730	2800
Trichloroethene		2800	U	730	2800
Trichlorofluoromethane		2800	U	670	2800
1,2,3-Trichloropropane		2800	U	1300	2800
Vinyl acetate		5600	U	1400	5600
Vinyl chloride		2800	U	840	2800
Xylenes, Total		5600	U	620	5600

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	77		65 - 124
Dibromofluoromethane	85		65 - 124
Toluene-d8 (Surr)	74		65 - 132

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Analytical Data

Client: Solutia Inc.

Job Number: 680-57565-1

Sdg Number: KSX024

Client Sample ID: XDD-SS-08S (7-7.5')

Lab Sample ID: 680-57565-6

Date Sampled: 05/11/2010 1355

Client Matrix: Solid

% Moisture: 22.4

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-168786	Instrument ID:	MSL
Preparation:	5035	Prep Batch: 680-168515	Lab File ID:	I0007.d
Dilution:	40		Initial Weight/Volume:	3.2 g
Date Analyzed:	05/17/2010 1519		Final Weight/Volume:	10 g
Date Prepared:	05/14/2010 0835			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		8100	U	1800	8100
Acetonitrile		32000	U	6600	32000
Acrolein		16000	U	3900	16000
Acrylonitrile		16000	U	5500	16000
Benzene		20000		120	810
Bromoform		810	U	240	810
Bromomethane		810	U	240	810
2-Butanone (MEK)		4000	U	390	4000
Carbon disulfide		810	U	180	810
Carbon tetrachloride		810	U	130	810
Chlorobenzene		810	U	150	810
2-Chloro-1,3-butadiene		810	U	340	810
Chlorodibromomethane		810	U	270	810
Chloroethane		810	U	440	810
Chloroform		810	U	180	810
Chloromethane		810	U	160	810
3-Chloro-1-propene		810	U	350	810
cis-1,3-Dichloropropene		810	U	130	810
1,2-Dibromo-3-Chloropropane		1600	U	710	1600
Dibromomethane		810	U	270	810
1,2-Dichlorobenzene		810	U	210	810
1,3-Dichlorobenzene		810	U	260	810
1,4-Dichlorobenzene		360	J	120	810
Dichlorobromomethane		810	U	160	810
Dichlorodifluoromethane		810	U	150	810
1,1-Dichloroethane		810	U	180	810
1,2-Dichloroethane		810	U	180	810
1,1-Dichloroethene		810	U	240	810
1,2-Dichloropropane		810	U	140	810
Ethylbenzene		810	U	210	810
Ethylene Dibromide		810	U	240	810
Ethyl methacrylate		810	U	550	810
2-Hexanone		4000	U	530	4000
Iodomethane		810	U	290	810
Isobutyl alcohol		32000	U	8400	32000
Methacrylonitrile		16000	U	3700	16000
Methylene Chloride		810	U	160	810
Methyl methacrylate		1600	U	730	1600
4-Methyl-2-pentanone (MIBK)		4000	U	680	4000
Pentachloroethane		4000	U	1000	4000
Propionitrile		16000	U	4200	16000
Styrene		810	U	150	810
1,1,1,2-Tetrachloroethane		810	U	390	810
1,1,2,2-Tetrachloroethane		810	U	260	810
Tetrachloroethene		810	U	310	810
Toluene		810	U	140	810

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Analytical Data

Client: Solutia Inc.

Job Number: 680-57565-1  
Sdg Number: KSX024

Client Sample ID: XDD-SS-08S (7-7.5')

Lab Sample ID: 680-57565-6

Date Sampled: 05/11/2010 1355

Client Matrix: Solid

% Moisture: 22.4

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-168786	Instrument ID:	MSL
Preparation:	5035	Prep Batch: 680-168515	Lab File ID:	I0007.d
Dilution:	40		Initial Weight/Volume:	3.2 g
Date Analyzed:	05/17/2010 1519		Final Weight/Volume:	10 g
Date Prepared:	05/14/2010 0835			

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
trans-1,4-Dichloro-2-butene		1600	U	470	1600
trans-1,2-Dichloroethene		810	U	100	810
trans-1,3-Dichloropropene		810	U	140	810
1,1,1-Trichloroethane		810	U	95	810
1,1,2-Trichloroethane		810	U	210	810
Trichloroethene		810	U	210	810
Trichlorofluoromethane		810	U	190	810
1,2,3-Trichloropropane		810	U	390	810
Vinyl acetate		1600	U	400	1600
Vinyl chloride		810	U	240	810
Xylenes, Total		1600	U	180	1600

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	87		65 - 124
Dibromofluoromethane	91		65 - 124
Toluene-d8 (Surr)	83		65 - 132

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## DATA REPORTING QUALIFIERS

Client: Solutia Inc.

Job Number: 680-57565-1

Sdg Number: KSX024

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

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## **QUALITY CONTROL RESULTS**

Quality Control Results

Client: Solutia Inc.

Job Number: 680-57565-1

Sdg Number: KSX024

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC/MS VOA</b>					
<b>Prep Batch: 680-168515</b>					
680-57565-1	XDD-SS-03S (7.5-8')	T	Solid	5035	
680-57565-2	XDD-SS-08S (7.5-8')	T	Solid	5035	
680-57565-3	XDD-SS-101S (7.5-8')	T	Solid	5035	
680-57565-4	XDD-SS-102S (7.5-8')	T	Solid	5035	
680-57565-5FD	XDD-SS-102S (7.5-8') DUP	T	Solid	5035	
680-57565-6	XDD-SS-08S (7-7.5')	T	Solid	5035	
<b>Analysis Batch:680-168786</b>					
LCS 680-168786/6	Lab Control Sample	T	Solid	8260B	
LCSD 680-168786/7	Lab Control Sample Duplicate	T	Solid	8260B	
MB 680-168786/8	Method Blank	T	Solid	8260B	
680-57565-1	XDD-SS-03S (7.5-8')	T	Solid	8260B	680-168515
680-57565-2	XDD-SS-08S (7.5-8')	T	Solid	8260B	680-168515
680-57565-3	XDD-SS-101S (7.5-8')	T	Solid	8260B	680-168515
680-57565-4	XDD-SS-102S (7.5-8')	T	Solid	8260B	680-168515
680-57565-5FD	XDD-SS-102S (7.5-8') DUP	T	Solid	8260B	680-168515
680-57565-6	XDD-SS-08S (7-7.5')	T	Solid	8260B	680-168515

**Report Basis**

T = Total

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Client: Solutia Inc.

Job Number: 680-57565-1  
Sdg Number: KSX024

**Surrogate Recovery Report**

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

**Client Matrix: Solid**

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
680-57565-1	XDD-SS-03S (7.5-8')	0D	0D	0D
680-57565-2	XDD-SS-08S (7.5-8')	0D	0D	0D
680-57565-3	XDD-SS-101S (7.5-8')	0D	0D	0D
680-57565-4	XDD-SS-102S (7.5-8')	79	95	81
680-57565-5	XDD-SS-102S (7.5-8') DUP	77	85	74
680-57565-6	XDD-SS-08S (7-7.5')	87	91	83
MB 680-168786/8		85	88	86
LCS 680-168786/6		93	102	94
LCSD 680-168786/7		86	97	90

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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: 680-57565-1

Sdg Number: KSX024

**Method Blank - Batch: 680-168786**

**Method: 8260B**

**Preparation: N/A**

Lab Sample ID: MB 680-168786/8  
 Client Matrix: Solid  
 Dilution: 40  
 Date Analyzed: 05/17/2010 1242  
 Date Prepared: N/A

Analysis Batch: 680-168786  
 Prep Batch: N/A  
 Units: ug/Kg

Instrument ID: MSL  
 Lab File ID: lq027.d  
 Initial Weight/Volume: 5 g  
 Final Weight/Volume: 5 mL

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

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**Quality Control Results**

Client: Solutia Inc.

Job Number: 680-57565-1  
Sdg Number: KSX024

**Method Blank - Batch: 680-168786**

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

Lab Sample ID: MB 680-168786/8  
Client Matrix: Solid  
Dilution: 40  
Date Analyzed: 05/17/2010 1242  
Date Prepared: N/A

Analysis Batch: 680-168786  
Prep Batch: N/A  
Units: ug/Kg

Instrument ID: MSL  
Lab File ID: lq027.d  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 5 mL

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

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	85	65 - 124
Dibromofluoromethane	88	65 - 124
Toluene-d8 (Surr)	86	65 - 132

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## Quality Control Results

Client: Solutia Inc.

Job Number: 680-57565-1  
Sdg Number: KSX024

**Lab Control Sample/  
Lab Control Sample Duplicate Recovery Report - Batch: 680-168786**

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

LCS Lab Sample ID: LCS 680-168786/6  
Client Matrix: Solid  
Dilution: 40  
Date Analyzed: 05/17/2010 1116  
Date Prepared: N/A

Analysis Batch: 680-168786  
Prep Batch: N/A  
Units: ug/Kg

Instrument ID: MSL  
Lab File ID: lq024.d  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-168786/7  
Client Matrix: Solid  
Dilution: 40  
Date Analyzed: 05/17/2010 1137  
Date Prepared: N/A

Analysis Batch: 680-168786  
Prep Batch: N/A  
Units: ug/Kg

Instrument ID: MSL  
Lab File ID: lq025.d  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Acetone	104	98	16 - 202	6	50		
Benzene	96	95	63 - 130	2	50		
Bromoform	96	92	66 - 127	4	50		
Bromomethane	101	98	54 - 146	4	50		
2-Butanone (MEK)	118	113	19 - 192	4	50		
Carbon disulfide	109	112	46 - 134	2	50		
Carbon tetrachloride	96	96	60 - 136	0	50		
Chlorobenzene	96	91	77 - 120	6	50		
Chlorodibromomethane	96	95	70 - 126	1	50		
Chloroethane	103	104	26 - 166	1	50		
Chloroform	102	98	68 - 127	4	50		
Chloromethane	96	99	46 - 137	3	50		
cis-1,3-Dichloropropene	98	92	66 - 137	7	50		
1,2-Dibromo-3-Chloropropane	112	107	62 - 140	4	50		
Dibromomethane	94	94	61 - 138	0	50		
1,2-Dichlorobenzene	95	88	75 - 123	8	50		
1,3-Dichlorobenzene	95	93	74 - 123	3	50		
1,4-Dichlorobenzene	97	88	75 - 122	9	50		
Dichlorobromomethane	100	90	64 - 137	10	50		
Dichlorodifluoromethane	100	102	17 - 163	2	50		
1,1-Dichloroethane	102	100	65 - 130	2	50		
1,2-Dichloroethane	89	90	62 - 140	0	50		
1,1-Dichloroethene	101	91	59 - 137	11	50		
1,2-Dichloropropane	96	97	66 - 135	0	50		
Ethylbenzene	97	91	77 - 121	6	50		
Ethylene Dibromide	93	91	61 - 138	2	50		
2-Hexanone	93	89	47 - 151	5	50		
Methylene Chloride	106	105	65 - 126	1	50		
4-Methyl-2-pentanone (MIBK)	88	89	50 - 148	1	50		
Styrene	94	94	75 - 123	0	50		
1,1,1,2-Tetrachloroethane	94	92	72 - 124	2	50		
1,1,2,2-Tetrachloroethane	99	97	65 - 130	2	50		
Tetrachloroethene	96	99	76 - 120	3	50		

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## Quality Control Results

Client: Solutia Inc.

Job Number: 680-57565-1  
Sdg Number: KSX024

**Lab Control Sample/  
Lab Control Sample Duplicate Recovery Report - Batch: 680-168786**

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

LCS Lab Sample ID: LCS 680-168786/6  
Client Matrix: Solid  
Dilution: 40  
Date Analyzed: 05/17/2010 1116  
Date Prepared: N/A

Analysis Batch: 680-168786  
Prep Batch: N/A  
Units: ug/Kg

Instrument ID: MSL  
Lab File ID: lq024.d  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-168786/7  
Client Matrix: Solid  
Dilution: 40  
Date Analyzed: 05/17/2010 1137  
Date Prepared: N/A

Analysis Batch: 680-168786  
Prep Batch: N/A  
Units: ug/Kg

Instrument ID: MSL  
Lab File ID: lq025.d  
Initial Weight/Volume: 5 g  
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Toluene	98	95	67 - 132	3	50		
trans-1,2-Dichloroethene	96	90	66 - 127	7	50		
trans-1,3-Dichloropropene	93	94	64 - 138	1	50		
1,1,1-Trichloroethane	93	91	56 - 140	2	50		
1,1,2-Trichloroethane	96	93	62 - 138	4	50		
Trichloroethene	101	94	68 - 133	7	50		
Trichlorofluoromethane	97	96	33 - 152	2	50		
1,2,3-Trichloropropane	94	88	65 - 132	7	50		
Vinyl acetate	121	115	10 - 254	5	50		
Vinyl chloride	97	94	56 - 139	2	50		
Xylenes, Total	96	91	76 - 122	5	50		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	93		86		65 - 124		
Dibromofluoromethane	102		97		65 - 124		
Toluene-d8 (Surr)	94		90		65 - 132		

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Savannah

5102 LaRoche Avenue

Savannah, GA 31404

phone 912.354.7838 fax 912.352.0165

## Chain of Custody Record

TestAmerica Laboratories, Inc.

<b>Client Contact</b> URS Corporation 1001 Highlands Plaza Drive West, Suite 300 St. Louis, MO 63110 (314) 429-0100 Phone (314) 429-0462 FAX Project Name: SVE Soil Sampling Site: Solutia WG Krummrich Facility P O #		<b>Project Manager: Dave Palmer</b> Tel/Fax: (314) 743-4154 Analysis Turnaround Time Calendar (C) or Work Days (W) TAT if different from Below Standard <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input checked="" type="checkbox"/> 1 day		<b>Site Contact: Mike Miller</b> Lab Contact: Lidya Gulizia Date: _____ Carrier: _____ COC No: _____ of <u>2</u> COCs Job No: _____ SDG No: 21562423.00002 Sample Specific Notes:							
<b>Sample Identification</b> XDD-SS-03S (7.5-8') XDD-SS-08S (7.5-8') XDD-SS-101S (7.5-8') XDD-SS-102S (7.5-8') XDD-SS-103S (7.5-8') DUP XDD-SS-08S (7-7.5')	Sample Date 5/11/10 12:55 1:35 1:35 1:45 1:55 1:55	Sample Time 12:55 1:35 1:35 1:45 1:55 1:55	Sample Type Grab Grab Grab Grab Grab Grab	Matrix SOIL SOIL SOIL SOIL SOIL Soil	# of Cont. 4 4 4 4 4 4	Filtered Sample VOCs by 820B X X X X X X	Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Relinquished by: <i>[Signature]</i> Relinquished by: _____ Relinquished by: _____		Company: URS Company: _____ Company: _____		Date/Time: 5/11/10 17:00 Date/Time: _____ Date/Time: _____		Received by: Fed Ex Received by: _____ Received by: <i>[Signature]</i>		Company: TA SA Company: _____ Company: _____		Date/Time: 5/12/10 09:21 Date/Time: _____ Date/Time: _____	

2.9/3.7  
680-57565

Savannah

5102 LaRoche Avenue

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phone 912.354.7858 fax 912.352.0165

## Chain of Custody Record

TestAmerica Laboratories, Inc.

<b>Client Contact</b> URS Corporation 1001 Highlands Plaza Drive West, Suite 300 St. Louis, MO 63110 (314) 429-0100 Phone (314) 429-0462 FAX Project Name: SVE Soil Sampling Site: Solutia WG Krummrich Facility P O #		<b>Project Manager: Dave Palmer</b> Tel/Fax: (314) 743-4154 Analysis Turnaround Time Calendar (C) or Work Days (W) <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day TAT if different from Below: <u>Standard</u>		<b>Site Contact: Mike Miller</b> <b>Lab Contact: Lidya Galizia</b>		Date: _____ Carrier: _____ COC No: <u>2</u> of <u>2</u> COCs Job No. _____ SDG No. <u>21562423.00002</u>		
<b>Sample Identification</b> XDP -55 -035 (7-75) XDP -55 -101 (7-77)		Sample Date 5/14/10 5/14/10	Sample Time 1300 1325	Sample Type Grab Grab	Matrix SOIL Soil	# of Cont. 1 1	Filtered Sample <input checked="" type="checkbox"/> X <input type="checkbox"/> Y	Sample Specific Notes: Hold Hold
SVE Trip Blank		Water		<input checked="" type="checkbox"/> X				
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown								
Special Instructions/QC Requirements & Comments: Level 4 Data Package								
Relinquished by: <i>[Signature]</i>		Company: URS		Date/Time: 5/14/10 PM		Received by: <i>Feder</i>		
Relinquished by:		Company:		Date/Time:		Received by:		
Relinquished by:		Company:		Date/Time:		Received by: <i>George L</i>		
						Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		
						2.9/3.7 680-57565		
						Date/Time: _____ Company: _____		
						Date/Time: _____ Company: _____		
						Date/Time: _____ Company: <i>URS</i>		

## Login Sample Receipt Check List

Client: Solutia Inc.

Job Number: 680-57565-1

SDG Number: KSX024

**Login Number: 57565**

**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	2 coolers rec'd on ice
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.9 and 3.7 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	Did not receive TB for XDD samples
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	N/A	
Sample Preservation Verified	True	