TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-55154-1

Job Description: WGK Vapor Sampling 2/17/2010

For:
Solutia Inc.
575 Maryville Centre Dr.
Saint Louis, MO 63141

Attention: Mr. William G Johnson

Approved for release.
Lidya Gulizia
Project Manager I
3/2/2010 1:55 PM

Lidya Gulizia
Project Manager I
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03/02/2010

Savannah Certifications and ID #s: 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

TestAmerica Laboratories, Inc.
TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404
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ACCREDITED IN ACCORDANCE WITH nelac

Receipt
Following sample collection, the air sample was sent directly to TestAmerica Knoxville for analysis and was received in good condition on February 18, 2010. Please refer to the sample receiving information contained in the body of the Knoxville report for more detailed information regarding receipt.

Comments
No additional comments.

METHOD SUMMARY

Client: Solutia Inc. Job Number: 680-55154-1

Description	Lab Location	Method	Preparation Method
Matrix: Air - Tedlar Bag			
EPA TO-15	TAL KNX	EPA-21 TO-15	

Lab References:

TAL KNX = TestAmerica Knoxville

Method References:

EPA-21 = "Compendium Of Methods For The Determination Of Toxic Organic Compounds In Ambient Air", Second Edition, EPA/625/R-96/010B, January 1999

SAMPLE SUMMARY

Client: Solutia Inc. Job Number: 680-55154-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-55154-1	WGK-BIGMO-SVE-Line A-V	Air - Tedlar Bag	02/17/2010 1430	02/18/2010 1030
680-55154-2	WGK-BIGMO-TMX-IAF-A	Air - Tedlar Bag	02/17/2010 1520	02/18/2010 1030
680-55154-3	WGK-BIGMO-TMX-EFF-A	Air - Tedlar Bag	02/17/2010 1530	02/18/2010 1030

SAMPLE RESULTS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 680-55154

Solutia Vapor Sampling

Lot #: H0B180425

Lidya Gulizia

TestAmerica Savannah
5102 Laroche Avenue
Savannah, GA 31404

TESTAMERICA LABORATORIES, INC.

Terry Wasmund
Project Manager

March 1, 2010

ANALYTICAL METHODS SUMMARY

H0B180425

PARAMETER	ANALYTICAL METHOD
Volatile Organics by TO15	EPA-2 TO-15

References:

EPA-2 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-625/R-96/010b, January 1999.

SAMPLE SUMMARY

H0B180425

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LVTPL	001	WGK-BIGMO-SVE-LINE A-V	02/17/10	14:30
LVTPP	002	WGK-BIGMO-TMX-INF-A	02/17/10	15:20
LVTPR	003	WGK-BIGMO-TMX-EFF-A	02/17/10	15:30

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

PROJECT NARRATIVE
H0B180425

The results reported herein are applicable to the samples submitted for analysis only.

This report shall not be reproduced except in full, without the written approval of the laboratory.

The original chain of custody documentation is included with this report.

Sample Receipt

Custody seals were not present.

Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by TestAmerica Knoxville.

The samples were received on 2/18/10 in Tedlar bags and transferred into Summa Canisters within 72 hours of sampling.

The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. According to the laboratory standard operating procedure, the continuing calibration is acceptable if it meets the laboratory control sample acceptance criteria. Even though the calibration verification analyzed on 2/19/10 exhibited a % difference of > 30% for 1,3,5-trimethylbenzene, hexachlorobutadiene, and the calibration verification analyzed on 2/22/10 exhibited a % difference of > 30% for chloromethane, the results were within the LCS acceptance limits.

Although 1,3,5-trimethylbenzene is flagged as being outside recovery limits in the laboratory control sample for batch 0053067, the laboratory control sample is in control.

PROJECT NARRATIVE
H0B180425

The standard operating procedure allows for 2 analytes to be outside the control limits, but within marginal exceedence limit.

Sample Data Summary

TestAmerica Savannah

Client Sample ID: WGK-BIGMO-SVE-LINE A-V

GC/MS Volatiles

Lot-Sample #...: H0B180425-001 **Work Order #...:** LVTPL1AA **Matrix.....:** AIR
Date Sampled...: 02/17/10 **Date Received..:** 02/18/10
Prep Date.....: 02/19/10 **Analysis Date..:** 02/19/10
Prep Batch #...: 0053067
Dilution Factor: 160265.9 **Method.....:** EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	32000	ppb(v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	32000	ppb(v/v)
Chloromethane	ND	80000	ppb(v/v)
Vinyl chloride	ND	32000	ppb(v/v)
Bromomethane	ND	32000	ppb(v/v)
Chloroethane	ND	32000	ppb(v/v)
Trichlorofluoromethane	ND	32000	ppb(v/v)
1,1-Dichloroethene	ND	32000	ppb(v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	32000	ppb(v/v)
Methylene chloride	ND	80000	ppb(v/v)
1,1-Dichloroethane	ND	32000	ppb(v/v)
cis-1,2-Dichloroethene	ND	32000	ppb(v/v)
Chloroform	ND	32000	ppb(v/v)
1,1,1-Trichloroethane	ND	32000	ppb(v/v)
Carbon tetrachloride	ND	32000	ppb(v/v)
Benzene	**5100000**	**32000**	**ppb(v/v)**
1,2-Dichloroethane	ND	32000	ppb(v/v)
Trichloroethene	ND	32000	ppb(v/v)
1,2-Dichloropropane	ND	32000	ppb(v/v)
cis-1,3-Dichloropropene	ND	32000	ppb(v/v)
Toluene	ND	32000	ppb(v/v)
trans-1,3-Dichloropropene	ND	32000	ppb(v/v)
1,1,2-Trichloroethane	ND	32000	ppb(v/v)
Tetrachloroethene	ND	32000	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	32000	ppb(v/v)
Chlorobenzene	ND	32000	ppb(v/v)
Ethylbenzene	ND	32000	ppb(v/v)
m-Xylene & p-Xylene	ND	32000	ppb(v/v)
o-Xylene	ND	32000	ppb(v/v)
Styrene	ND	32000	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	32000	ppb(v/v)
1,3,5-Trimethylbenzene	ND	32000	ppb(v/v)
1,2,4-Trimethylbenzene	ND	32000	ppb(v/v)
1,3-Dichlorobenzene	ND	32000	ppb(v/v)
1,4-Dichlorobenzene	ND	32000	ppb(v/v)
1,2-Dichlorobenzene	ND	32000	ppb(v/v)
Benzyl chloride	ND	64000	ppb(v/v)

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TestAmerica Savannah

Client Sample ID: WGK-BIGMO-SVE-LINE A-V

GC/MS Volatiles

Lot-Sample #...: H0B180425-001 Work Order #...: LVTPL1AA Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2,4-Trichloro-benzene	ND	160000	ppb(v/v)
Hexachlorobutadiene	ND	160000	ppb(v/v)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	95	(60 - 140)

TestAmerica Savannah

Client Sample ID: WGK-BIGMO-TMX-INF-A

GC/MS Volatiles

Lot-Sample #...: H0B180425-002 Work Order #...: LVTPP1AA Matrix.....: AIR
Date Sampled...: 02/17/10 Date Received..: 02/18/10
Prep Date.....: 02/19/10 Analysis Date..: 02/19/10
Prep Batch #...: 0053067
Dilution Factor: 34996.8 Method.....: EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	7000	ppb(v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	7000	ppb(v/v)
Chloromethane	ND	17000	ppb(v/v)
Vinyl chloride	ND	7000	ppb(v/v)
Bromomethane	ND	7000	ppb(v/v)
Chloroethane	ND	7000	ppb(v/v)
Trichlorofluoromethane	ND	7000	ppb(v/v)
1,1-Dichloroethene	ND	7000	ppb(v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	7000	ppb(v/v)
Methylene chloride	ND	17000	ppb(v/v)
1,1-Dichloroethane	ND	7000	ppb(v/v)
cis-1,2-Dichloroethene	ND	7000	ppb(v/v)
Chloroform	ND	7000	ppb(v/v)
1,1,1-Trichloroethane	ND	7000	ppb(v/v)
Carbon tetrachloride	ND	7000	ppb(v/v)
Benzene	**800000**	**7000**	**ppb(v/v)**
1,2-Dichloroethane	ND	7000	ppb(v/v)
Trichloroethene	ND	7000	ppb(v/v)
1,2-Dichloropropane	ND	7000	ppb(v/v)
cis-1,3-Dichloropropene	ND	7000	ppb(v/v)
Toluene	ND	7000	ppb(v/v)
trans-1,3-Dichloropropene	ND	7000	ppb(v/v)
1,1,2-Trichloroethane	ND	7000	ppb(v/v)
Tetrachloroethene	ND	7000	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	7000	ppb(v/v)
Chlorobenzene	ND	7000	ppb(v/v)
Ethylbenzene	ND	7000	ppb(v/v)
m-Xylene & p-Xylene	ND	7000	ppb(v/v)
o-Xylene	ND	7000	ppb(v/v)
Styrene	ND	7000	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	7000	ppb(v/v)
1,3,5-Trimethylbenzene	ND	7000	ppb(v/v)
1,2,4-Trimethylbenzene	ND	7000	ppb(v/v)
1,3-Dichlorobenzene	ND	7000	ppb(v/v)
1,4-Dichlorobenzene	ND	7000	ppb(v/v)
1,2-Dichlorobenzene	ND	7000	ppb(v/v)
Benzyl chloride	ND	14000	ppb(v/v)

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TestAmerica Savannah

Client Sample ID: WGK-BIGMO-TMX-INF-A

GC/MS Volatiles

Lot-Sample #...: H0B180425-002 Work Order #...: LVTPP1AA Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2,4-Trichloro-benzene	ND	35000	ppb(v/v)
Hexachlorobutadiene	ND	35000	ppb(v/v)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	100	(60 - 140)

TestAmerica Savannah

Client Sample ID: WGK-BIGMO-TMX-EFF-A

GC/MS Volatiles

Lot-Sample #...: H0B180425-003 Work Order #...: LVTPR1AA Matrix.....: AIR
Date Sampled...: 02/17/10 Date Received..: 02/18/10
Prep Date.....: 02/22/10 Analysis Date..: 02/22/10
Prep Batch #...: 0054050
Dilution Factor: 308.82 Method.....: EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	ND	62	ppb(v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	62	ppb(v/v)
Chloromethane	ND	150	ppb(v/v)
Vinyl chloride	ND	62	ppb(v/v)
Bromomethane	ND	62	ppb(v/v)
Chloroethane	ND	62	ppb(v/v)
Trichlorofluoromethane	ND	62	ppb(v/v)
1,1-Dichloroethene	ND	62	ppb(v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	62	ppb(v/v)
Methylene chloride	**390**	**150**	**ppb(v/v)**
1,1-Dichloroethane	ND	62	ppb(v/v)
cis-1,2-Dichloroethene	ND	62	ppb(v/v)
Chloroform	ND	62	ppb(v/v)
1,1,1-Trichloroethane	ND	62	ppb(v/v)
Carbon tetrachloride	ND	62	ppb(v/v)
Benzene	**8800**	**62**	**ppb(v/v)**
1,2-Dichloroethane	ND	62	ppb(v/v)
Trichloroethene	ND	62	ppb(v/v)
1,2-Dichloropropane	ND	62	ppb(v/v)
cis-1,3-Dichloropropene	ND	62	ppb(v/v)
Toluene	**70**	**62**	**ppb(v/v)**
trans-1,3-Dichloropropene	ND	62	ppb(v/v)
1,1,2-Trichloroethane	ND	62	ppb(v/v)
Tetrachloroethene	ND	62	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	62	ppb(v/v)
Chlorobenzene	ND	62	ppb(v/v)
Ethylbenzene	ND	62	ppb(v/v)
m-Xylene & p-Xylene	ND	62	ppb(v/v)
o-Xylene	ND	62	ppb(v/v)
Styrene	ND	62	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	62	ppb(v/v)
1,3,5-Trimethylbenzene	ND	62	ppb(v/v)
1,2,4-Trimethylbenzene	ND	62	ppb(v/v)
1,3-Dichlorobenzene	ND	62	ppb(v/v)
1,4-Dichlorobenzene	ND	62	ppb(v/v)
1,2-Dichlorobenzene	ND	62	ppb(v/v)
Benzyl chloride	ND	120	ppb(v/v)

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TestAmerica Savannah

Client Sample ID: WGK-BIGMO-TMX-EFF-A

GC/MS Volatiles

Lot-Sample #...: H0B180425-003 Work Order #...: LVTPR1AA Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2,4-Trichloro-benzene	ND	310	ppb(v/v)
Hexachlorobutadiene	ND	310	ppb(v/v)

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	96	(60 - 140)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H0B180425 Work Order #...: LVXNE1AA Matrix.....: AIR
MB Lot-Sample #: H0B220000-067

Prep Date.....: 02/19/10
Analysis Date..: 02/19/10 Prep Batch #...: 0053067
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Chloromethane	ND	0.50	ppb(v/v)	EPA-2 TO-15
Vinyl chloride	ND	0.20	ppb(v/v)	EPA-2 TO-15
Bromomethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Chloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Trichlorofluoromethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Methylene chloride	ND	0.50	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
cis-1,2-Dichloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Chloroform	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1,1-Trichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Carbon tetrachloride	ND	0.20	ppb(v/v)	EPA-2 TO-15
Benzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Trichloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichloropropane	ND	0.20	ppb(v/v)	EPA-2 TO-15
cis-1,3-Dichloropropene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Toluene	ND	0.20	ppb(v/v)	EPA-2 TO-15
trans-1,3-Dichloropropene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1,2-Trichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Tetrachloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dibromoethane (EDB)	ND	0.20	ppb(v/v)	EPA-2 TO-15
Chlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Ethylbenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
m-Xylene & p-Xylene	ND	0.20	ppb(v/v)	EPA-2 TO-15
o-Xylene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Styrene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,3,5-Trimethylbenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2,4-Trimethylbenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,3-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,4-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Benzyl chloride	ND	0.40	ppb(v/v)	EPA-2 TO-15
1,2,4-Trichloro-benzene	ND	1.0	ppb(v/v)	EPA-2 TO-15

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H0B180425 **Work Order #...:** LVXNE1AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	1.0	ppb(v/v)	EPA-2 TO-15

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	102	(60 - 140)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H0B180425 Work Order #...: LVXNE1AC Matrix.....: AIR
LCS Lot-Sample#: H0B220000-067
Prep Date.....: 02/19/10 Analysis Date..: 02/19/10
Prep Batch #...: 0053067
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Dichlorodifluoromethane	94	(60 - 140)	EPA-2 TO-15
1,2-Dichloro-1,1,2,2-tetrafluoroethane	94	(60 - 140)	EPA-2 TO-15
Chloromethane	107	(60 - 140)	EPA-2 TO-15
Vinyl chloride	97	(70 - 130)	EPA-2 TO-15
Bromomethane	91	(70 - 130)	EPA-2 TO-15
Chloroethane	97	(70 - 130)	EPA-2 TO-15
Trichlorofluoromethane	93	(60 - 140)	EPA-2 TO-15
1,1-Dichloroethene	93	(70 - 130)	EPA-2 TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane	91	(70 - 130)	EPA-2 TO-15
Methylene chloride	83	(70 - 130)	EPA-2 TO-15
1,1-Dichloroethane	92	(70 - 130)	EPA-2 TO-15
cis-1,2-Dichloroethene	89	(70 - 130)	EPA-2 TO-15
Chloroform	88	(70 - 130)	EPA-2 TO-15
1,1,1-Trichloroethane	90	(70 - 130)	EPA-2 TO-15
Carbon tetrachloride	90	(70 - 130)	EPA-2 TO-15
Benzene	84	(70 - 130)	EPA-2 TO-15
1,2-Dichloroethane	87	(70 - 130)	EPA-2 TO-15
Trichloroethene	91	(70 - 130)	EPA-2 TO-15
1,2-Dichloropropane	85	(70 - 130)	EPA-2 TO-15
cis-1,3-Dichloropropene	80	(70 - 130)	EPA-2 TO-15
Toluene	77	(70 - 130)	EPA-2 TO-15
trans-1,3-Dichloropropene	78	(70 - 130)	EPA-2 TO-15
1,1,2-Trichloroethane	78	(70 - 130)	EPA-2 TO-15
Tetrachloroethene	79	(70 - 130)	EPA-2 TO-15
1,2-Dibromoethane (EDB)	78	(70 - 130)	EPA-2 TO-15
Chlorobenzene	77	(70 - 130)	EPA-2 TO-15
Ethylbenzene	78	(70 - 130)	EPA-2 TO-15
m-Xylene & p-Xylene	77	(70 - 130)	EPA-2 TO-15
o-Xylene	74	(70 - 130)	EPA-2 TO-15
Styrene	76	(70 - 130)	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	70	(70 - 130)	EPA-2 TO-15
1,3,5-Trimethylbenzene	67 a	(70 - 130)	EPA-2 TO-15

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H0B180425 Work Order #...: LVXNE1AC Matrix.....: AIR
LCS Lot-Sample#: H0B220000-067

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,2,4-Trimethylbenzene	71	(70 - 130)	EPA-2 TO-15
1,3-Dichlorobenzene	72	(70 - 130)	EPA-2 TO-15
1,4-Dichlorobenzene	71	(70 - 130)	EPA-2 TO-15
1,2-Dichlorobenzene	75	(70 - 130)	EPA-2 TO-15
Benzyl chloride	75	(70 - 130)	EPA-2 TO-15
1,2,4-Trichloro-benzene	72	(60 - 140)	EPA-2 TO-15
Hexachlorobutadiene	62	(60 - 140)	EPA-2 TO-15

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	105	(60 - 140)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: H0B180425 Work Order #...: LVXNE1AC Matrix.....: AIR
LCS Lot-Sample#: H0B220000-067
Prep Date.....: 02/19/10 Analysis Date..: 02/19/10
Prep Batch #...: 0053067
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Dichlorodifluoromethane	2.50	2.34	ppb(v/v)	94	EPA-2 TO-15
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.50	2.34	ppb(v/v)	94	EPA-2 TO-15
Chloromethane	2.50	2.68	ppb(v/v)	107	EPA-2 TO-15
Vinyl chloride	2.50	2.43	ppb(v/v)	97	EPA-2 TO-15
Bromomethane	2.50	2.27	ppb(v/v)	91	EPA-2 TO-15
Chloroethane	2.50	2.43	ppb(v/v)	97	EPA-2 TO-15
Trichlorofluoromethane	2.50	2.34	ppb(v/v)	93	EPA-2 TO-15
1,1-Dichloroethene	2.50	2.33	ppb(v/v)	93	EPA-2 TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane	2.50	2.27	ppb(v/v)	91	EPA-2 TO-15
Methylene chloride	2.50	2.07	ppb(v/v)	83	EPA-2 TO-15
1,1-Dichloroethane	2.50	2.31	ppb(v/v)	92	EPA-2 TO-15
cis-1,2-Dichloroethene	2.50	2.23	ppb(v/v)	89	EPA-2 TO-15
Chloroform	2.50	2.20	ppb(v/v)	88	EPA-2 TO-15
1,1,1-Trichloroethane	2.50	2.24	ppb(v/v)	90	EPA-2 TO-15
Carbon tetrachloride	2.50	2.25	ppb(v/v)	90	EPA-2 TO-15
Benzene	2.50	2.10	ppb(v/v)	84	EPA-2 TO-15
1,2-Dichloroethane	2.50	2.17	ppb(v/v)	87	EPA-2 TO-15
Trichloroethene	2.50	2.28	ppb(v/v)	91	EPA-2 TO-15
1,2-Dichloropropane	2.50	2.12	ppb(v/v)	85	EPA-2 TO-15
cis-1,3-Dichloropropene	2.50	2.01	ppb(v/v)	80	EPA-2 TO-15
Toluene	2.50	1.93	ppb(v/v)	77	EPA-2 TO-15
trans-1,3-Dichloropropene	2.50	1.96	ppb(v/v)	78	EPA-2 TO-15
1,1,2-Trichloroethane	2.50	1.95	ppb(v/v)	78	EPA-2 TO-15
Tetrachloroethene	2.50	1.97	ppb(v/v)	79	EPA-2 TO-15
1,2-Dibromoethane (EDB)	2.50	1.96	ppb(v/v)	78	EPA-2 TO-15
Chlorobenzene	2.50	1.94	ppb(v/v)	77	EPA-2 TO-15
Ethylbenzene	2.50	1.94	ppb(v/v)	78	EPA-2 TO-15
m-Xylene & p-Xylene	5.00	3.84	ppb(v/v)	77	EPA-2 TO-15
o-Xylene	2.50	1.85	ppb(v/v)	74	EPA-2 TO-15
Styrene	2.50	1.90	ppb(v/v)	76	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	2.50	1.74	ppb(v/v)	70	EPA-2 TO-15
1,3,5-Trimethylbenzene	2.50	1.67 a	ppb(v/v)	67	EPA-2 TO-15

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: H0B180425 Work Order #...: LVXNE1AC Matrix.....: AIR
LCS Lot-Sample#: H0B220000-067

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,2,4-Trimethylbenzene	2.50	1.77	ppb(v/v)	71	EPA-2 TO-15
1,3-Dichlorobenzene	2.50	1.80	ppb(v/v)	72	EPA-2 TO-15
1,4-Dichlorobenzene	2.50	1.78	ppb(v/v)	71	EPA-2 TO-15
1,2-Dichlorobenzene	2.50	1.88	ppb(v/v)	75	EPA-2 TO-15
Benzyl chloride	2.50	1.87	ppb(v/v)	75	EPA-2 TO-15
1,2,4-Trichloro-benzene	2.50	1.79	ppb(v/v)	72	EPA-2 TO-15
Hexachlorobutadiene	2.50	1.54	ppb(v/v)	62	EPA-2 TO-15

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	105	(60 - 140)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H0B180425 Work Order #...: LV0GM1AA Matrix.....: AIR
MB Lot-Sample #: H0B230000-050

Prep Date.....: 02/22/10
Analysis Date..: 02/22/10 Prep Batch #...: 0054050
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Chloromethane	ND	0.50	ppb(v/v)	EPA-2 TO-15
Vinyl chloride	ND	0.20	ppb(v/v)	EPA-2 TO-15
Bromomethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Chloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Trichlorofluoromethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Methylene chloride	ND	0.50	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
cis-1,2-Dichloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Chloroform	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1,1-Trichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Carbon tetrachloride	ND	0.20	ppb(v/v)	EPA-2 TO-15
Benzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Trichloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichloropropane	ND	0.20	ppb(v/v)	EPA-2 TO-15
cis-1,3-Dichloropropene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Toluene	ND	0.20	ppb(v/v)	EPA-2 TO-15
trans-1,3-Dichloropropene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1,2-Trichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Tetrachloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dibromoethane (EDB)	ND	0.20	ppb(v/v)	EPA-2 TO-15
Chlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Ethylbenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
m-Xylene & p-Xylene	ND	0.20	ppb(v/v)	EPA-2 TO-15
o-Xylene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Styrene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,3,5-Trimethylbenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2,4-Trimethylbenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,3-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,4-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Benzyl chloride	ND	0.40	ppb(v/v)	EPA-2 TO-15
1,2,4-Trichlorobenzene	ND	1.0	ppb(v/v)	EPA-2 TO-15

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H0B180425 Work Order #...: LV0GM1AA Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Hexachlorobutadiene	ND	1.0	ppb(v/v)	EPA-2 TO-15

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	107	(60 - 140)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H0B180425 Work Order #...: LV0GM1AC Matrix.....: AIR
LCS Lot-Sample#: H0B230000-050
Prep Date.....: 02/22/10 Analysis Date..: 02/22/10
Prep Batch #...: 0054050
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Dichlorodifluoromethane	103	(60 - 140)	EPA-2 TO-15
1,2-Dichloro-1,1,2,2-tetrafluoroethane	96	(60 - 140)	EPA-2 TO-15
Chloromethane	68	(60 - 140)	EPA-2 TO-15
Vinyl chloride	108	(70 - 130)	EPA-2 TO-15
Bromomethane	98	(70 - 130)	EPA-2 TO-15
Chloroethane	108	(70 - 130)	EPA-2 TO-15
Trichlorofluoromethane	102	(60 - 140)	EPA-2 TO-15
1,1-Dichloroethene	95	(70 - 130)	EPA-2 TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane	93	(70 - 130)	EPA-2 TO-15
Methylene chloride	87	(70 - 130)	EPA-2 TO-15
1,1-Dichloroethane	105	(70 - 130)	EPA-2 TO-15
cis-1,2-Dichloroethene	97	(70 - 130)	EPA-2 TO-15
Chloroform	99	(70 - 130)	EPA-2 TO-15
1,1,1-Trichloroethane	100	(70 - 130)	EPA-2 TO-15
Carbon tetrachloride	106	(70 - 130)	EPA-2 TO-15
Benzene	96	(70 - 130)	EPA-2 TO-15
1,2-Dichloroethane	107	(70 - 130)	EPA-2 TO-15
Trichloroethene	104	(70 - 130)	EPA-2 TO-15
1,2-Dichloropropane	98	(70 - 130)	EPA-2 TO-15
cis-1,3-Dichloropropene	96	(70 - 130)	EPA-2 TO-15
Toluene	92	(70 - 130)	EPA-2 TO-15
trans-1,3-Dichloropropene	100	(70 - 130)	EPA-2 TO-15
1,1,2-Trichloroethane	90	(70 - 130)	EPA-2 TO-15
Tetrachloroethene	97	(70 - 130)	EPA-2 TO-15
1,2-Dibromoethane (EDB)	95	(70 - 130)	EPA-2 TO-15
Chlorobenzene	93	(70 - 130)	EPA-2 TO-15
Ethylbenzene	96	(70 - 130)	EPA-2 TO-15
m-Xylene & p-Xylene	95	(70 - 130)	EPA-2 TO-15
o-Xylene	92	(70 - 130)	EPA-2 TO-15
Styrene	97	(70 - 130)	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	91	(70 - 130)	EPA-2 TO-15
1,3,5-Trimethylbenzene	87	(70 - 130)	EPA-2 TO-15

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H0B180425 Work Order #...: LV0GM1AC Matrix.....: AIR
LCS Lot-Sample#: H0B230000-050

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,2,4-Trimethylbenzene	99	(70 - 130)	EPA-2 TO-15
1,3-Dichlorobenzene	95	(70 - 130)	EPA-2 TO-15
1,4-Dichlorobenzene	96	(70 - 130)	EPA-2 TO-15
1,2-Dichlorobenzene	99	(70 - 130)	EPA-2 TO-15
Benzyl chloride	116	(70 - 130)	EPA-2 TO-15
1,2,4-Trichloro-benzene	127	(60 - 140)	EPA-2 TO-15
Hexachlorobutadiene	96	(60 - 140)	EPA-2 TO-15

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	100	(60 - 140)

NOTE(S):

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Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: H0B180425 Work Order #...: LV0GM1AC Matrix.....: AIR
LCS Lot-Sample#: H0B230000-050
Prep Date.....: 02/22/10 Analysis Date..: 02/22/10
Prep Batch #...: 0054050
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Dichlorodifluoromethane	5.00	5.16	ppb(v/v)	103	EPA-2 TO-15
1,2-Dichloro-1,1,2,2-tetrafluoroethane	5.00	4.80	ppb(v/v)	96	EPA-2 TO-15
Chloromethane	5.00	3.41	ppb(v/v)	68	EPA-2 TO-15
Vinyl chloride	5.00	5.40	ppb(v/v)	108	EPA-2 TO-15
Bromomethane	5.00	4.91	ppb(v/v)	98	EPA-2 TO-15
Chloroethane	5.00	5.40	ppb(v/v)	108	EPA-2 TO-15
Trichlorofluoromethane	5.00	5.12	ppb(v/v)	102	EPA-2 TO-15
1,1-Dichloroethene	5.00	4.74	ppb(v/v)	95	EPA-2 TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00	4.64	ppb(v/v)	93	EPA-2 TO-15
Methylene chloride	5.00	4.33	ppb(v/v)	87	EPA-2 TO-15
1,1-Dichloroethane	5.00	5.25	ppb(v/v)	105	EPA-2 TO-15
cis-1,2-Dichloroethene	5.00	4.83	ppb(v/v)	97	EPA-2 TO-15
Chloroform	5.00	4.97	ppb(v/v)	99	EPA-2 TO-15
1,1,1-Trichloroethane	5.00	4.99	ppb(v/v)	100	EPA-2 TO-15
Carbon tetrachloride	5.00	5.31	ppb(v/v)	106	EPA-2 TO-15
Benzene	5.00	4.79	ppb(v/v)	96	EPA-2 TO-15
1,2-Dichloroethane	5.00	5.33	ppb(v/v)	107	EPA-2 TO-15
Trichloroethene	5.00	5.22	ppb(v/v)	104	EPA-2 TO-15
1,2-Dichloropropane	5.00	4.92	ppb(v/v)	98	EPA-2 TO-15
cis-1,3-Dichloropropene	5.00	4.80	ppb(v/v)	96	EPA-2 TO-15
Toluene	5.00	4.58	ppb(v/v)	92	EPA-2 TO-15
trans-1,3-Dichloropropene	5.00	5.00	ppb(v/v)	100	EPA-2 TO-15
1,1,2-Trichloroethane	5.00	4.50	ppb(v/v)	90	EPA-2 TO-15
Tetrachloroethene	5.00	4.85	ppb(v/v)	97	EPA-2 TO-15
1,2-Dibromoethane (EDB)	5.00	4.77	ppb(v/v)	95	EPA-2 TO-15
Chlorobenzene	5.00	4.65	ppb(v/v)	93	EPA-2 TO-15
Ethylbenzene	5.00	4.78	ppb(v/v)	96	EPA-2 TO-15
m-Xylene & p-Xylene	10.0	9.52	ppb(v/v)	95	EPA-2 TO-15
o-Xylene	5.00	4.59	ppb(v/v)	92	EPA-2 TO-15
Styrene	5.00	4.84	ppb(v/v)	97	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	5.00	4.57	ppb(v/v)	91	EPA-2 TO-15
1,3,5-Trimethylbenzene	5.00	4.36	ppb(v/v)	87	EPA-2 TO-15

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: H0B180425 Work Order #...: LV0GM1AC Matrix.....: AIR
LCS Lot-Sample#: H0B230000-050

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,2,4-Trimethylbenzene	5.00	4.96	ppb(v/v)	99	EPA-2 TO-15
1,3-Dichlorobenzene	5.00	4.74	ppb(v/v)	95	EPA-2 TO-15
1,4-Dichlorobenzene	5.00	4.81	ppb(v/v)	96	EPA-2 TO-15
1,2-Dichlorobenzene	5.00	4.97	ppb(v/v)	99	EPA-2 TO-15
Benzyl chloride	5.00	5.82	ppb(v/v)	116	EPA-2 TO-15
1,2,4-Trichloro-benzene	5.00	6.33	ppb(v/v)	127	EPA-2 TO-15
Hexachlorobutadiene	5.00	4.80	ppb(v/v)	96	EPA-2 TO-15

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	100	(60 - 140)

NOTE(S):

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

Bold print denotes control parameters

Sample Receipt Documentation

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Erin Staniszewski	Lab PM: Lidya Guiliza	Carrier Tracking No(s):	COC No:
Client Contact: William Johnson	Phone: 603-778-1100	E-Mail:		Page:
Company: Solutia, Inc.				TA Job #:
Address: 575 Maryville Centre Dr.	Due Date Requested:			
City: Saint Louis	TAT Requested (days): standard TAT			
State, Zip: Missouri, 63141	PO #:			
Phone: 603 778-1100 x 234	WO #:			
Email: CrawFord@xdd-llc.com	Project #: Solutia - Sauget big Mo			
Project Name: XDD - Solutia big Mo	SSOW#:			
Site: Sauget, IL				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	VOC TO-15 analysis w Tier II QA/QC plus	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
WGK-BIGMO-SVE-LineA-V	2/17/10	1430	G	A			X		
WGK-BigMO-TMX-INF-A	2/17/10	1520	G	A			X		
WGK-BigMO-TMX-EFF-A	2/17/10	1530	G	A			X		1 BOX RECD AMBIENT FEDEX # 3688 8913 7878 NO CUSTODY SEAL TS 2/18/10

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Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) Tier II

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	2/17/10 1900	XDD, LLC	Fed EX		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				2/18/10 10:35 AM	TA KNOX.
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Lot Number: HDB18042S

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ **1a** Do not match COC ☐ **1b** Incomplete information ☐ **1c** Marking smeared ☐ **1d** Label torn ☐ **1e** No label ☐ **1f** COC not received ☐ **1g** Other:	4A
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6 °C)			✓	☐ **2a** Temp Blank = _____ ☐ **2b** Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ **3a** Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?		✓		☐ **4a** Not present ☐ **4b** Not intact ☐ **4c** Other:	
5. Were all of the samples listed on the COC received?	✓			☐ **5a** Samples received-not on COC ☐ **5b** Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ **6a** Leaking ☐ **6b** Broken	
7. Were VOA samples received without headspace?			✓	☐ **7a** Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ **8a** Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ **9a** Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ **10a** Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For 1613B water samples is pH<9?			✓	If no, was pH adjusted to pH 7 - 9 with sulfuric acid? _____	
13. Are the shipping containers intact?	✓			☐ **13a** Leaking ☐ **13b** Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ **14a** Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐ **15a** Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ **15a** Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ **15a** Incomplete information	
18. Is the client and project name/# identified?	✓			☐ **15a** Incomplete information	
19. Was the sampler identified on the COC?	✓				

Quote #: 80050 PM Instructions: NA

Sample Receiving Associate: Jeff Smith Date: 2/18/10

QA026R21.doc, 090409

Test America - Knoxville ---- Air Canister Dilution Log

Lot Number: *H0B180425*

Initial Can Pressure							Subsequent Dilutions											
Analyst/Date	Tedlar Bag Time	Pbarr (in)	Sample ID	Can #	Pres. upon receipt (-in or + psig)	Adj. Initial Pres. (-in or + psig)	Analyst/Date	I / S	Pbarr (in)	Initial Pres. Pi (in)	Final Pres. Pf (psig)	First InCan Final Pres. Pf (psig)	Second In-can Final Pres. Pf (psig)	Third InCan Final Pres. Pf (psig)	Serial Dilution Can #	Vol (mL)	Final Pres. Pf (psig)	Comments
AHW 2-19-10	750	29.11	**LVTPL**	12207											12207	2	29.8 / 27.6	85%
"	800	"	**LVTPP**	04396											04396	2	27.4	"
"	805	"	**LVTPR**	932977											932977	5	4.1	"

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information
Client Contact: William Johnson
Company: Solutia, Inc.
Address: 575 Maryville Centre Dr.
City: Saint Louis
State, Zip: Missouri, 63141
Phone: 603 778-1100 x 234
Email: CrawFord@xdd-llc.com
Project Name: XDD - Solutia Big Mo
Site: Sauget, IL

Sampler: Erin Staniszewski
Phone: 603-778-1100
Lab PM: Lidya Guilizia
E-Mail:
Carrier Tracking No(s):
COC No:
Page:
TA Job #:

Due Date Requested:
TAT Requested (days): standard TAT
PO #:
WO #:
Project #: Solutia - Sauget big MO
SSOW#:

Analysis Requested
VOC TO-15 analysis w/ tier II data pkg

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Special Instructions/Note:
WGK-BIGMO-SVE-LineA-V	2/17/10	1430	G	A	X	
WGK-BIGMO-TMX-IAF-A	2/17/10	1520	G	A	X	
WGK-BIGMO-TMX-EFF-A	2/17/10	1530	G	A	X	1 BOX RELD AMBIENT FED EX # 8688 8916 7878 NO CUSTODY SEAL TS 2/18/10
						680-55154

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify) Tier II

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	2/17/10 1900	XDD, LLC	Fed Ex		
Relinquished by:	Date/Time	Company	Received by:	Date/Time: 2/18/10 10:30 AM	Company: TA KNOX
Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company

Custody Seals Intact: △ Yes △ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks