

## ANALYTICAL REPORT

Job Number: 680-58497-1

Job Description: WGK Vapor Sampling 6/9/10

For:

Solutia Inc.

575 Maryville Centre Dr.

Saint Louis, MO 63141

Attention: Mr. William G Johnson



Approved for release.  
Lidya Gulizia  
Project Manager I  
7/16/2010 9:53 AM

Lidya Gulizia

Project Manager I

lidya.gulizia@testamericainc.com

07/16/2010

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

**TestAmerica Laboratories, Inc.**

TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404

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**Job Narrative**  
**Savannah 680-58497-1 / Knoxville #H0F110411**

**Receipt**

Following sample collection, the air sample was sent directly to TestAmerica Knoxville for analysis and was received in good condition on June 11, 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: 680-58497-1

<b>Description</b>	<b>Lab Location</b>	<b>Method</b>	<b>Preparation Method</b>
<b>Matrix: Air - Tedlar Bag</b>			
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: 680-58497-1

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Client Matrix</b>	<b>Date/Time Sampled</b>	<b>Date/Time Received</b>
680-58497-1	WGK-BIGMO-SVE-Line A-V	Air - Tedlar Bag	06/09/2010 1500	06/11/2010 0945

# **SAMPLE RESULTS**

<b>H0F110411 Analytical Report.....</b>	<b>1</b>
<b>Sample Receipt Documentation .....</b>	<b>14</b>
<b>Total Number of Pages .....</b>	<b>16</b>

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

## ANALYTICAL REPORT

PROJECT NO. 680-58497

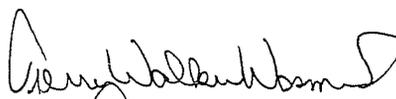
Solutia Vapor Sampling

Lot #: HOF110411

Lidya Gulizia

TestAmerica Savannah  
5102 Laroche Avenue  
Savannah, GA 31404

TESTAMERICA LABORATORIES, INC.



Terry Wasmund  
Project Manager

July 1, 2010

# ANALYTICAL METHODS SUMMARY

H0F110411

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
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

HOF110411

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
L2Q24	001	WGK-BIGMO-SVE-LINE A-V	06/09/10	15:00

**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**

### **HOF110411**

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

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**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 sample was received on 6/11/10 in a Tedlar bag and transferred into a Summa Canister 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 6/14/10 exhibited a % difference of > 30% for dichlorodifluoromethane and 1,2-dichloro-1,1,2,2-tetrafluoroethane, the results were within the LCS acceptance limits.

The daily standard and laboratory control sample recovery for 1,2-dichloro-1,1,2,2-tetrafluoroethane was above QC limits for batch 0166055. However, since the recovery

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**PROJECT NARRATIVE**  
**HOF110411**

was high, and 1,2-dichloro-1,1,2,2-tetrafluoroethane was not detected above the reporting limit in the associated samples, the validity of the data is unaffected.

## TestAmerica Savannah

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

## GC/MS Volatiles

Lot-Sample #...: H0F110411-001    Work Order #...: L2Q241AA    Matrix.....: AIR  
 Date Sampled...: 06/09/10    Date Received...: 06/11/10  
 Prep Date.....: 06/14/10    Analysis Date...: 06/14/10  
 Prep Batch #...: 0166055  
 Dilution Factor: 63683.49    Method.....: EPA-2 TO-15

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Dichlorodifluoromethane	ND	13000	ppb (v/v)
1,2-Dichloro- 1,1,2,2-tetrafluoroethane	ND	13000	ppb (v/v)
Chloromethane	ND	32000	ppb (v/v)
Vinyl chloride	ND	13000	ppb (v/v)
Bromomethane	ND	13000	ppb (v/v)
Chloroethane	ND	13000	ppb (v/v)
Trichlorofluoromethane	ND	13000	ppb (v/v)
1,1-Dichloroethene	ND	13000	ppb (v/v)
1,1,2-Trichloro- 1,2,2-trifluoroethane	ND	13000	ppb (v/v)
Methylene chloride	ND	32000	ppb (v/v)
1,1-Dichloroethane	ND	13000	ppb (v/v)
cis-1,2-Dichloroethene	ND	13000	ppb (v/v)
Chloroform	ND	13000	ppb (v/v)
1,1,1-Trichloroethane	ND	13000	ppb (v/v)
Carbon tetrachloride	ND	13000	ppb (v/v)
<b>Benzene</b>	<b>620000</b>	<b>13000</b>	<b>ppb (v/v)</b>
1,2-Dichloroethane	ND	13000	ppb (v/v)
Trichloroethene	ND	13000	ppb (v/v)
1,2-Dichloropropane	ND	13000	ppb (v/v)
cis-1,3-Dichloropropene	ND	13000	ppb (v/v)
Toluene	ND	13000	ppb (v/v)
trans-1,3-Dichloropropene	ND	13000	ppb (v/v)
1,1,2-Trichloroethane	ND	13000	ppb (v/v)
Tetrachloroethene	ND	13000	ppb (v/v)
1,2-Dibromoethane (EDB)	ND	13000	ppb (v/v)
Chlorobenzene	ND	13000	ppb (v/v)
Ethylbenzene	ND	13000	ppb (v/v)
m-Xylene & p-Xylene	ND	13000	ppb (v/v)
o-Xylene	ND	13000	ppb (v/v)
Styrene	ND	13000	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND	13000	ppb (v/v)
1,3,5-Trimethylbenzene	ND	13000	ppb (v/v)
1,2,4-Trimethylbenzene	ND	13000	ppb (v/v)
1,3-Dichlorobenzene	ND	13000	ppb (v/v)
1,4-Dichlorobenzene	ND	13000	ppb (v/v)
1,2-Dichlorobenzene	ND	13000	ppb (v/v)
Benzyl chloride	ND	25000	ppb (v/v)

(Continued on next page)

## TestAmerica Savannah

Client Sample ID: W GK-BIGMO-SVE-LINE A-V

## GC/MS Volatiles

Lot-Sample #...: H0F110411-001 Work Order #...: L2Q241AA Matrix.....: AIR

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2,4-Trichloro- benzene	ND	64000	ppb (v/v)
Hexachlorobutadiene	ND	64000	ppb (v/v)
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
4-Bromofluorobenzene	91	(60 - 140)	

## METHOD BLANK REPORT

## GC/MS Volatiles

Client Lot #...: HOF110411      Work Order #...: L2WKV1AA      Matrix.....: AIR  
 MB Lot-Sample #: HOF150000-055  
 Prep Date.....: 06/14/10  
 Analysis Date..: 06/14/10      Prep Batch #...: 0166055  
 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 #...: H0F110411

Work Order #...: L2WKV1AA

Matrix.....: AIR

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Hexachlorobutadiene	ND	1.0	ppb (v/v)	EPA-2 TO-15
	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
<u>SURROGATE</u> 4-Bromofluorobenzene	91	(60 - 140)		

**NOTE(S) :**

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

## LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC/MS Volatiles

Client Lot #...: H0F110411      Work Order #...: L2WKV1AC      Matrix.....: AIR  
 LCS Lot-Sample#: H0F150000-055  
 Prep Date.....: 06/14/10      Analysis Date...: 06/14/10  
 Prep Batch #...: 0166055  
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	METHOD
	RECOVERY	LIMITS	
Dichlorodifluoromethane	131	(60 - 140)	EPA-2 TO-15
1,2-Dichloro- 1,1,2,2-tetrafluoroethane	155 a	(60 - 140)	EPA-2 TO-15
Chloromethane	107	(60 - 140)	EPA-2 TO-15
Vinyl chloride	98	(70 - 130)	EPA-2 TO-15
Bromomethane	99	(70 - 130)	EPA-2 TO-15
Chloroethane	88	(70 - 130)	EPA-2 TO-15
Trichlorofluoromethane	125	(60 - 140)	EPA-2 TO-15
1,1-Dichloroethene	87	(70 - 130)	EPA-2 TO-15
1,1,2-Trichloro- 1,2,2-trifluoroethane	91	(70 - 130)	EPA-2 TO-15
Methylene chloride	75	(70 - 130)	EPA-2 TO-15
1,1-Dichloroethane	85	(70 - 130)	EPA-2 TO-15
cis-1,2-Dichloroethene	82	(70 - 130)	EPA-2 TO-15
Chloroform	87	(70 - 130)	EPA-2 TO-15
1,1,1-Trichloroethane	110	(70 - 130)	EPA-2 TO-15
Carbon tetrachloride	106	(70 - 130)	EPA-2 TO-15
Benzene	77	(70 - 130)	EPA-2 TO-15
1,2-Dichloroethane	92	(70 - 130)	EPA-2 TO-15
Trichloroethene	77	(70 - 130)	EPA-2 TO-15
1,2-Dichloropropane	81	(70 - 130)	EPA-2 TO-15
cis-1,3-Dichloropropene	81	(70 - 130)	EPA-2 TO-15
Toluene	87	(70 - 130)	EPA-2 TO-15
trans-1,3-Dichloropropene	93	(70 - 130)	EPA-2 TO-15
1,1,2-Trichloroethane	92	(70 - 130)	EPA-2 TO-15
Tetrachloroethene	96	(70 - 130)	EPA-2 TO-15
1,2-Dibromoethane (EDB)	93	(70 - 130)	EPA-2 TO-15
Chlorobenzene	96	(70 - 130)	EPA-2 TO-15
Ethylbenzene	100	(70 - 130)	EPA-2 TO-15
m-Xylene & p-Xylene	103	(70 - 130)	EPA-2 TO-15
o-Xylene	103	(70 - 130)	EPA-2 TO-15
Styrene	109	(70 - 130)	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	97	(70 - 130)	EPA-2 TO-15
1,3,5-Trimethylbenzene	104	(70 - 130)	EPA-2 TO-15

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## LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC/MS Volatiles

Client Lot #...: H0F110411      Work Order #...: L2WKV1AC      Matrix.....: AIR  
 LCS Lot-Sample#: H0F150000-055

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
1,2,4-Trimethylbenzene	110	(70 - 130)	EPA-2 TO-15
1,3-Dichlorobenzene	107	(70 - 130)	EPA-2 TO-15
1,4-Dichlorobenzene	107	(70 - 130)	EPA-2 TO-15
1,2-Dichlorobenzene	109	(70 - 130)	EPA-2 TO-15
Benzyl chloride	109	(70 - 130)	EPA-2 TO-15
1,2,4-Trichloro- benzene	78	(60 - 140)	EPA-2 TO-15
Hexachlorobutadiene	96	(60 - 140)	EPA-2 TO-15
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
4-Bromofluorobenzene	97	(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 #...: H0F110411      Work Order #...: L2WKV1AC      Matrix.....: AIR  
 LCS Lot-Sample#: H0F150000-055  
 Prep Date.....: 06/14/10      Analysis Date...: 06/14/10  
 Prep Batch #...: 0166055  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
Dichlorodifluoromethane	10.0	13.1	ppb (v/v)	131	EPA-2 TO-15
1,2-Dichloro- 1,1,2,2-tetrafluoroethane	10.0	15.5 a	ppb (v/v)	155	EPA-2 TO-15
Chloromethane	10.0	10.7	ppb (v/v)	107	EPA-2 TO-15
Vinyl chloride	10.0	9.82	ppb (v/v)	98	EPA-2 TO-15
Bromomethane	10.0	9.87	ppb (v/v)	99	EPA-2 TO-15
Chloroethane	10.0	8.76	ppb (v/v)	88	EPA-2 TO-15
Trichlorofluoromethane	10.0	12.5	ppb (v/v)	125	EPA-2 TO-15
1,1-Dichloroethene	10.0	8.66	ppb (v/v)	87	EPA-2 TO-15
1,1,2-Trichloro- 1,2,2-trifluoroethane	10.0	9.13	ppb (v/v)	91	EPA-2 TO-15
Methylene chloride	10.0	7.54	ppb (v/v)	75	EPA-2 TO-15
1,1-Dichloroethane	10.0	8.52	ppb (v/v)	85	EPA-2 TO-15
cis-1,2-Dichloroethene	10.0	8.24	ppb (v/v)	82	EPA-2 TO-15
Chloroform	10.0	8.73	ppb (v/v)	87	EPA-2 TO-15
1,1,1-Trichloroethane	10.0	11.0	ppb (v/v)	110	EPA-2 TO-15
Carbon tetrachloride	10.0	10.6	ppb (v/v)	106	EPA-2 TO-15
Benzene	10.0	7.65	ppb (v/v)	77	EPA-2 TO-15
1,2-Dichloroethane	10.0	9.19	ppb (v/v)	92	EPA-2 TO-15
Trichloroethene	10.0	7.69	ppb (v/v)	77	EPA-2 TO-15
1,2-Dichloropropane	10.0	8.11	ppb (v/v)	81	EPA-2 TO-15
cis-1,3-Dichloropropene	10.0	8.07	ppb (v/v)	81	EPA-2 TO-15
Toluene	10.0	8.69	ppb (v/v)	87	EPA-2 TO-15
trans-1,3-Dichloropropene	10.0	9.30	ppb (v/v)	93	EPA-2 TO-15
1,1,2-Trichloroethane	10.0	9.20	ppb (v/v)	92	EPA-2 TO-15
Tetrachloroethene	10.0	9.62	ppb (v/v)	96	EPA-2 TO-15
1,2-Dibromoethane (EDB)	10.0	9.27	ppb (v/v)	93	EPA-2 TO-15
Chlorobenzene	10.0	9.55	ppb (v/v)	96	EPA-2 TO-15
Ethylbenzene	10.0	10.0	ppb (v/v)	100	EPA-2 TO-15
m-Xylene & p-Xylene	20.0	20.5	ppb (v/v)	103	EPA-2 TO-15
o-Xylene	10.0	10.3	ppb (v/v)	103	EPA-2 TO-15
Styrene	10.0	10.9	ppb (v/v)	109	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	10.0	9.65	ppb (v/v)	97	EPA-2 TO-15
1,3,5-Trimethylbenzene	10.0	10.4	ppb (v/v)	104	EPA-2 TO-15

(Continued on next page)

## LABORATORY CONTROL SAMPLE DATA REPORT

## GC/MS Volatiles

Client Lot #...: H0F110411      Work Order #...: L2WKV1AC      Matrix.....: AIR  
 LCS Lot-Sample#: H0F150000-055

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
1,2,4-Trimethylbenzene	10.0	11.0	ppb (v/v)	110	EPA-2 TO-15
1,3-Dichlorobenzene	10.0	10.7	ppb (v/v)	107	EPA-2 TO-15
1,4-Dichlorobenzene	10.0	10.7	ppb (v/v)	107	EPA-2 TO-15
1,2-Dichlorobenzene	10.0	10.9	ppb (v/v)	109	EPA-2 TO-15
Benzyl chloride	10.0	10.9	ppb (v/v)	109	EPA-2 TO-15
1,2,4-Trichloro- benzene	10.0	7.83	ppb (v/v)	78	EPA-2 TO-15
Hexachlorobutadiene	10.0	9.60	ppb (v/v)	96	EPA-2 TO-15
<u>SURROGATE</u>		<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
4-Bromofluorobenzene		97	(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.



TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Lot Number: 10F10411

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

Quote #: 80050 PM Instructions: \_\_\_\_\_

Sample Receiving Associate: [Signature]

Date: 6/11/10

QA026R21.doc, 090409

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

Lot Number: H0F110411

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 In-can Final Pres. Pf (psig)	Second In-can Final Pres. Pf (psig)	Third In-can Final Pres. Pf (psig)	Serial Dilution Can #	Vol (mL)	Final Pres. Pf (psig)	Comments
DPF 6-11-10	1410	29.02	L2Q24	12734											12734	2	+29.9	6072

