

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-70717-1

Client Project/Site: Hercules Hattiesburg APIX 7/25/11

For:

Ashland Inc.

Ashland Hercules Research Center

500 Hercules Rd Bldg 8139

Wilmington, Delaware 19808

Attn: Timothy Hassett



Authorized for release by:

08/16/2011 02:32:52 PM

Lidya Gulizia

Project Manager II

lidya.gulizia@testamericainc.com

cc: Craig Derouen

Chris Waters

Charlie Jordan

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Sample Summary	4
Method Summary	5
Definitions	6
Detection Summary	7
Client Sample Results	8
Surrogate Summary	24
QC Sample Results	25
QC Association	29
Chronicle	30
Chain of Custody	32
Receipt Checklists	33
Certification Summary	34



Case Narrative

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Job ID: 680-70717-1

Laboratory: TestAmerica Savannah

Narrative

Job Narrative 680-70717-1

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for four analytes to recover outside criteria for this method when a full list spike is utilized. The LCS/LCSD associated with batch 210523 had two analytes outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: The trip blank associated with these samples contained a detection at 1/2 reporting limit (RL) for the following analyte: Acetone.

No other analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

Comments

No additional comments.

Sample Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70717-1

Project/Site: Hercules Hattiesburg APIX 7/25/11

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-70717-1	CM-05	Water	07/25/11 13:15	07/26/11 08:01
680-70717-2	CM-04	Water	07/25/11 13:20	07/26/11 08:01
680-70717-3	CM-03	Water	07/25/11 13:30	07/26/11 08:01
680-70717-4	CM-02	Water	07/25/11 13:53	07/26/11 08:01
680-70717-5	CM-01	Water	07/25/11 15:00	07/26/11 08:01
680-70717-6	CM-00	Water	07/25/11 15:08	07/26/11 08:01
680-70717-7	Rinsate 7.25.11	Water	07/25/11 15:35	07/26/11 08:01
680-70717-8	Trip Blank	Water	07/25/11 15:40	07/26/11 08:01

Method Summary

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV

Protocol References:
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:
TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

Definitions/Glossary

Client: Ashland Inc.

Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Detection Summary

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-05

Lab Sample ID: 680-70717-1

No Detections

Client Sample ID: CM-04

Lab Sample ID: 680-70717-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	7.6		1.0		ug/L	1			8260B	Total/NA
Vinyl chloride	3.2		1.0		ug/L	1			8260B	Total/NA

Client Sample ID: CM-03

Lab Sample ID: 680-70717-3

No Detections

Client Sample ID: CM-02

Lab Sample ID: 680-70717-4

No Detections

Client Sample ID: CM-01

Lab Sample ID: 680-70717-5

No Detections

Client Sample ID: CM-00

Lab Sample ID: 680-70717-6

No Detections

Client Sample ID: Rinsate 7.25.11

Lab Sample ID: 680-70717-7

No Detections

Client Sample ID: Trip Blank

Lab Sample ID: 680-70717-8

No Detections

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-05

Lab Sample ID: 680-70717-1

Date Collected: 07/25/11 13:15

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/29/11 15:38	1
Acetonitrile	<40		40		ug/L			07/29/11 15:38	1
Acrolein	<20		20		ug/L			07/29/11 15:38	1
Acrylonitrile	<20		20		ug/L			07/29/11 15:38	1
Benzene	<1.0		1.0		ug/L			07/29/11 15:38	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/11 15:38	1
Bromoform	<1.0	*	1.0		ug/L			07/29/11 15:38	1
Bromomethane	<1.0		1.0		ug/L			07/29/11 15:38	1
2-Butanone (MEK)	<10		10		ug/L			07/29/11 15:38	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/11 15:38	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/11 15:38	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/11 15:38	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/29/11 15:38	1
Chloroethane	<1.0		1.0		ug/L			07/29/11 15:38	1
Chloroform	<1.0		1.0		ug/L			07/29/11 15:38	1
Chloromethane	<1.0		1.0		ug/L			07/29/11 15:38	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/29/11 15:38	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/11 15:38	1
1,2-Dibromo-3-Chloropropane	<1.0	*	1.0		ug/L			07/29/11 15:38	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/29/11 15:38	1
Dibromomethane	<1.0		1.0		ug/L			07/29/11 15:38	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/29/11 15:38	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/29/11 15:38	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/11 15:38	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/11 15:38	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 15:38	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 15:38	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/11 15:38	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/11 15:38	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 15:38	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 15:38	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/11 15:38	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/29/11 15:38	1
2-Hexanone	<10		10		ug/L			07/29/11 15:38	1
Iodomethane	<5.0		5.0		ug/L			07/29/11 15:38	1
Isobutyl alcohol	<40		40		ug/L			07/29/11 15:38	1
Methacrylonitrile	<20		20		ug/L			07/29/11 15:38	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/11 15:38	1
Methyl methacrylate	<1.0		1.0		ug/L			07/29/11 15:38	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/11 15:38	1
Pentachloroethane	<5.0		5.0		ug/L			07/29/11 15:38	1
Propionitrile	<20		20		ug/L			07/29/11 15:38	1
Styrene	<1.0		1.0		ug/L			07/29/11 15:38	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 15:38	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 15:38	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/11 15:38	1
Toluene	<1.0		1.0		ug/L			07/29/11 15:38	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/11 15:38	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/11 15:38	1
Trichloroethene	<1.0		1.0		ug/L			07/29/11 15:38	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-05

Lab Sample ID: 680-70717-1

Date Collected: 07/25/11 13:15

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/29/11 15:38	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/29/11 15:38	1
Vinyl acetate	<2.0		2.0		ug/L			07/29/11 15:38	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/11 15:38	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/11 15:38	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130		07/29/11 15:38	1
Dibromofluoromethane	107		70 - 130		07/29/11 15:38	1
Toluene-d8 (Surr)	99		70 - 130		07/29/11 15:38	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-04

Lab Sample ID: 680-70717-2

Date Collected: 07/25/11 13:20

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/29/11 16:07	1
Acetonitrile	<40		40		ug/L			07/29/11 16:07	1
Acrolein	<20		20		ug/L			07/29/11 16:07	1
Acrylonitrile	<20		20		ug/L			07/29/11 16:07	1
Benzene	<1.0		1.0		ug/L			07/29/11 16:07	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/11 16:07	1
Bromoform	<1.0	*	1.0		ug/L			07/29/11 16:07	1
Bromomethane	<1.0		1.0		ug/L			07/29/11 16:07	1
2-Butanone (MEK)	<10		10		ug/L			07/29/11 16:07	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/11 16:07	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/11 16:07	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/11 16:07	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/29/11 16:07	1
Chloroethane	<1.0		1.0		ug/L			07/29/11 16:07	1
Chloroform	<1.0		1.0		ug/L			07/29/11 16:07	1
Chloromethane	<1.0		1.0		ug/L			07/29/11 16:07	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/29/11 16:07	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/11 16:07	1
1,2-Dibromo-3-Chloropropane	<1.0	*	1.0		ug/L			07/29/11 16:07	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/29/11 16:07	1
Dibromomethane	<1.0		1.0		ug/L			07/29/11 16:07	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/29/11 16:07	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/29/11 16:07	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/11 16:07	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/11 16:07	1
cis-1,2-Dichloroethene	7.6		1.0		ug/L			07/29/11 16:07	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 16:07	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/11 16:07	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/11 16:07	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 16:07	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 16:07	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/11 16:07	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/29/11 16:07	1
2-Hexanone	<10		10		ug/L			07/29/11 16:07	1
Iodomethane	<5.0		5.0		ug/L			07/29/11 16:07	1
Isobutyl alcohol	<40		40		ug/L			07/29/11 16:07	1
Methacrylonitrile	<20		20		ug/L			07/29/11 16:07	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/11 16:07	1
Methyl methacrylate	<1.0		1.0		ug/L			07/29/11 16:07	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/11 16:07	1
Pentachloroethane	<5.0		5.0		ug/L			07/29/11 16:07	1
Propionitrile	<20		20		ug/L			07/29/11 16:07	1
Styrene	<1.0		1.0		ug/L			07/29/11 16:07	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 16:07	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 16:07	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/11 16:07	1
Toluene	<1.0		1.0		ug/L			07/29/11 16:07	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/11 16:07	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/11 16:07	1
Trichloroethene	<1.0		1.0		ug/L			07/29/11 16:07	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70717-1

Project/Site: Hercules Hattiesburg APIX 7/25/11

Client Sample ID: CM-04

Lab Sample ID: 680-70717-2

Date Collected: 07/25/11 13:20

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/29/11 16:07	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/29/11 16:07	1
Vinyl acetate	<2.0		2.0		ug/L			07/29/11 16:07	1
Vinyl chloride	3.2		1.0		ug/L			07/29/11 16:07	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/11 16:07	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		70 - 130		07/29/11 16:07	1
Dibromofluoromethane	106		70 - 130		07/29/11 16:07	1
Toluene-d8 (Surr)	100		70 - 130		07/29/11 16:07	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-03

Lab Sample ID: 680-70717-3

Date Collected: 07/25/11 13:30

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/29/11 16:37	1
Acetonitrile	<40		40		ug/L			07/29/11 16:37	1
Acrolein	<20		20		ug/L			07/29/11 16:37	1
Acrylonitrile	<20		20		ug/L			07/29/11 16:37	1
Benzene	<1.0		1.0		ug/L			07/29/11 16:37	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/11 16:37	1
Bromoform	<1.0	*	1.0		ug/L			07/29/11 16:37	1
Bromomethane	<1.0		1.0		ug/L			07/29/11 16:37	1
2-Butanone (MEK)	<10		10		ug/L			07/29/11 16:37	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/11 16:37	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/11 16:37	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/11 16:37	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/29/11 16:37	1
Chloroethane	<1.0		1.0		ug/L			07/29/11 16:37	1
Chloroform	<1.0		1.0		ug/L			07/29/11 16:37	1
Chloromethane	<1.0		1.0		ug/L			07/29/11 16:37	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/29/11 16:37	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/11 16:37	1
1,2-Dibromo-3-Chloropropane	<1.0	*	1.0		ug/L			07/29/11 16:37	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/29/11 16:37	1
Dibromomethane	<1.0		1.0		ug/L			07/29/11 16:37	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/29/11 16:37	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/29/11 16:37	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/11 16:37	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/11 16:37	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 16:37	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 16:37	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/11 16:37	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/11 16:37	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 16:37	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 16:37	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/11 16:37	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/29/11 16:37	1
2-Hexanone	<10		10		ug/L			07/29/11 16:37	1
Iodomethane	<5.0		5.0		ug/L			07/29/11 16:37	1
Isobutyl alcohol	<40		40		ug/L			07/29/11 16:37	1
Methacrylonitrile	<20		20		ug/L			07/29/11 16:37	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/11 16:37	1
Methyl methacrylate	<1.0		1.0		ug/L			07/29/11 16:37	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/11 16:37	1
Pentachloroethane	<5.0		5.0		ug/L			07/29/11 16:37	1
Propionitrile	<20		20		ug/L			07/29/11 16:37	1
Styrene	<1.0		1.0		ug/L			07/29/11 16:37	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 16:37	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 16:37	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/11 16:37	1
Toluene	<1.0		1.0		ug/L			07/29/11 16:37	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/11 16:37	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/11 16:37	1
Trichloroethene	<1.0		1.0		ug/L			07/29/11 16:37	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-03

Lab Sample ID: 680-70717-3

Date Collected: 07/25/11 13:30

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/29/11 16:37	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/29/11 16:37	1
Vinyl acetate	<2.0		2.0		ug/L			07/29/11 16:37	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/11 16:37	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/11 16:37	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		70 - 130		07/29/11 16:37	1
Dibromofluoromethane	103		70 - 130		07/29/11 16:37	1
Toluene-d8 (Surr)	96		70 - 130		07/29/11 16:37	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-02

Lab Sample ID: 680-70717-4

Date Collected: 07/25/11 13:53

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/29/11 17:06	1
Acetonitrile	<40		40		ug/L			07/29/11 17:06	1
Acrolein	<20		20		ug/L			07/29/11 17:06	1
Acrylonitrile	<20		20		ug/L			07/29/11 17:06	1
Benzene	<1.0		1.0		ug/L			07/29/11 17:06	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/11 17:06	1
Bromoform	<1.0	*	1.0		ug/L			07/29/11 17:06	1
Bromomethane	<1.0		1.0		ug/L			07/29/11 17:06	1
2-Butanone (MEK)	<10		10		ug/L			07/29/11 17:06	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/11 17:06	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/11 17:06	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/11 17:06	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/29/11 17:06	1
Chloroethane	<1.0		1.0		ug/L			07/29/11 17:06	1
Chloroform	<1.0		1.0		ug/L			07/29/11 17:06	1
Chloromethane	<1.0		1.0		ug/L			07/29/11 17:06	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/29/11 17:06	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/11 17:06	1
1,2-Dibromo-3-Chloropropane	<1.0	*	1.0		ug/L			07/29/11 17:06	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/29/11 17:06	1
Dibromomethane	<1.0		1.0		ug/L			07/29/11 17:06	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/29/11 17:06	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/29/11 17:06	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/11 17:06	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/11 17:06	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 17:06	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 17:06	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/11 17:06	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/11 17:06	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 17:06	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 17:06	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/11 17:06	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/29/11 17:06	1
2-Hexanone	<10		10		ug/L			07/29/11 17:06	1
Iodomethane	<5.0		5.0		ug/L			07/29/11 17:06	1
Isobutyl alcohol	<40		40		ug/L			07/29/11 17:06	1
Methacrylonitrile	<20		20		ug/L			07/29/11 17:06	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/11 17:06	1
Methyl methacrylate	<1.0		1.0		ug/L			07/29/11 17:06	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/11 17:06	1
Pentachloroethane	<5.0		5.0		ug/L			07/29/11 17:06	1
Propionitrile	<20		20		ug/L			07/29/11 17:06	1
Styrene	<1.0		1.0		ug/L			07/29/11 17:06	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 17:06	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 17:06	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/11 17:06	1
Toluene	<1.0		1.0		ug/L			07/29/11 17:06	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/11 17:06	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/11 17:06	1
Trichloroethene	<1.0		1.0		ug/L			07/29/11 17:06	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-02

Lab Sample ID: 680-70717-4

Date Collected: 07/25/11 13:53

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/29/11 17:06	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/29/11 17:06	1
Vinyl acetate	<2.0		2.0		ug/L			07/29/11 17:06	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/11 17:06	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/11 17:06	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		70 - 130		07/29/11 17:06	1
Dibromofluoromethane	105		70 - 130		07/29/11 17:06	1
Toluene-d8 (Surr)	99		70 - 130		07/29/11 17:06	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-01

Lab Sample ID: 680-70717-5

Date Collected: 07/25/11 15:00

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/29/11 17:36	1
Acetonitrile	<40		40		ug/L			07/29/11 17:36	1
Acrolein	<20		20		ug/L			07/29/11 17:36	1
Acrylonitrile	<20		20		ug/L			07/29/11 17:36	1
Benzene	<1.0		1.0		ug/L			07/29/11 17:36	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/11 17:36	1
Bromoform	<1.0	*	1.0		ug/L			07/29/11 17:36	1
Bromomethane	<1.0		1.0		ug/L			07/29/11 17:36	1
2-Butanone (MEK)	<10		10		ug/L			07/29/11 17:36	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/11 17:36	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/11 17:36	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/11 17:36	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/29/11 17:36	1
Chloroethane	<1.0		1.0		ug/L			07/29/11 17:36	1
Chloroform	<1.0		1.0		ug/L			07/29/11 17:36	1
Chloromethane	<1.0		1.0		ug/L			07/29/11 17:36	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/29/11 17:36	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/11 17:36	1
1,2-Dibromo-3-Chloropropane	<1.0	*	1.0		ug/L			07/29/11 17:36	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/29/11 17:36	1
Dibromomethane	<1.0		1.0		ug/L			07/29/11 17:36	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/29/11 17:36	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/29/11 17:36	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/11 17:36	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/11 17:36	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 17:36	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 17:36	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/11 17:36	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/11 17:36	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 17:36	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 17:36	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/11 17:36	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/29/11 17:36	1
2-Hexanone	<10		10		ug/L			07/29/11 17:36	1
Iodomethane	<5.0		5.0		ug/L			07/29/11 17:36	1
Isobutyl alcohol	<40		40		ug/L			07/29/11 17:36	1
Methacrylonitrile	<20		20		ug/L			07/29/11 17:36	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/11 17:36	1
Methyl methacrylate	<1.0		1.0		ug/L			07/29/11 17:36	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/11 17:36	1
Pentachloroethane	<5.0		5.0		ug/L			07/29/11 17:36	1
Propionitrile	<20		20		ug/L			07/29/11 17:36	1
Styrene	<1.0		1.0		ug/L			07/29/11 17:36	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 17:36	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 17:36	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/11 17:36	1
Toluene	<1.0		1.0		ug/L			07/29/11 17:36	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/11 17:36	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/11 17:36	1
Trichloroethene	<1.0		1.0		ug/L			07/29/11 17:36	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70717-1

Project/Site: Hercules Hattiesburg APIX 7/25/11

Client Sample ID: CM-01

Lab Sample ID: 680-70717-5

Date Collected: 07/25/11 15:00

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/29/11 17:36	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/29/11 17:36	1
Vinyl acetate	<2.0		2.0		ug/L			07/29/11 17:36	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/11 17:36	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/11 17:36	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130		07/29/11 17:36	1
Dibromofluoromethane	103		70 - 130		07/29/11 17:36	1
Toluene-d8 (Surr)	101		70 - 130		07/29/11 17:36	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-00

Lab Sample ID: 680-70717-6

Date Collected: 07/25/11 15:08

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/29/11 18:05	1
Acetonitrile	<40		40		ug/L			07/29/11 18:05	1
Acrolein	<20		20		ug/L			07/29/11 18:05	1
Acrylonitrile	<20		20		ug/L			07/29/11 18:05	1
Benzene	<1.0		1.0		ug/L			07/29/11 18:05	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/11 18:05	1
Bromoform	<1.0	*	1.0		ug/L			07/29/11 18:05	1
Bromomethane	<1.0		1.0		ug/L			07/29/11 18:05	1
2-Butanone (MEK)	<10		10		ug/L			07/29/11 18:05	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/11 18:05	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/11 18:05	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/11 18:05	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/29/11 18:05	1
Chloroethane	<1.0		1.0		ug/L			07/29/11 18:05	1
Chloroform	<1.0		1.0		ug/L			07/29/11 18:05	1
Chloromethane	<1.0		1.0		ug/L			07/29/11 18:05	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/29/11 18:05	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/11 18:05	1
1,2-Dibromo-3-Chloropropane	<1.0	*	1.0		ug/L			07/29/11 18:05	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/29/11 18:05	1
Dibromomethane	<1.0		1.0		ug/L			07/29/11 18:05	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/29/11 18:05	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/29/11 18:05	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/11 18:05	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/11 18:05	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 18:05	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 18:05	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/11 18:05	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/11 18:05	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 18:05	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 18:05	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/11 18:05	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/29/11 18:05	1
2-Hexanone	<10		10		ug/L			07/29/11 18:05	1
Iodomethane	<5.0		5.0		ug/L			07/29/11 18:05	1
Isobutyl alcohol	<40		40		ug/L			07/29/11 18:05	1
Methacrylonitrile	<20		20		ug/L			07/29/11 18:05	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/11 18:05	1
Methyl methacrylate	<1.0		1.0		ug/L			07/29/11 18:05	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/11 18:05	1
Pentachloroethane	<5.0		5.0		ug/L			07/29/11 18:05	1
Propionitrile	<20		20		ug/L			07/29/11 18:05	1
Styrene	<1.0		1.0		ug/L			07/29/11 18:05	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 18:05	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 18:05	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/11 18:05	1
Toluene	<1.0		1.0		ug/L			07/29/11 18:05	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/11 18:05	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/11 18:05	1
Trichloroethene	<1.0		1.0		ug/L			07/29/11 18:05	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-00

Lab Sample ID: 680-70717-6

Date Collected: 07/25/11 15:08

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/29/11 18:05	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/29/11 18:05	1
Vinyl acetate	<2.0		2.0		ug/L			07/29/11 18:05	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/11 18:05	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/11 18:05	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130		07/29/11 18:05	1
Dibromofluoromethane	104		70 - 130		07/29/11 18:05	1
Toluene-d8 (Surr)	101		70 - 130		07/29/11 18:05	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: Rinsate 7.25.11

Lab Sample ID: 680-70717-7

Date Collected: 07/25/11 15:35

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/29/11 18:35	1
Acetonitrile	<40		40		ug/L			07/29/11 18:35	1
Acrolein	<20		20		ug/L			07/29/11 18:35	1
Acrylonitrile	<20		20		ug/L			07/29/11 18:35	1
Benzene	<1.0		1.0		ug/L			07/29/11 18:35	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/11 18:35	1
Bromoform	<1.0	*	1.0		ug/L			07/29/11 18:35	1
Bromomethane	<1.0		1.0		ug/L			07/29/11 18:35	1
2-Butanone (MEK)	<10		10		ug/L			07/29/11 18:35	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/11 18:35	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/11 18:35	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/11 18:35	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/29/11 18:35	1
Chloroethane	<1.0		1.0		ug/L			07/29/11 18:35	1
Chloroform	<1.0		1.0		ug/L			07/29/11 18:35	1
Chloromethane	<1.0		1.0		ug/L			07/29/11 18:35	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/29/11 18:35	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/11 18:35	1
1,2-Dibromo-3-Chloropropane	<1.0	*	1.0		ug/L			07/29/11 18:35	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/29/11 18:35	1
Dibromomethane	<1.0		1.0		ug/L			07/29/11 18:35	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/29/11 18:35	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/29/11 18:35	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/11 18:35	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/11 18:35	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 18:35	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 18:35	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/11 18:35	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/11 18:35	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 18:35	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 18:35	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/11 18:35	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/29/11 18:35	1
2-Hexanone	<10		10		ug/L			07/29/11 18:35	1
Iodomethane	<5.0		5.0		ug/L			07/29/11 18:35	1
Isobutyl alcohol	<40		40		ug/L			07/29/11 18:35	1
Methacrylonitrile	<20		20		ug/L			07/29/11 18:35	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/11 18:35	1
Methyl methacrylate	<1.0		1.0		ug/L			07/29/11 18:35	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/11 18:35	1
Pentachloroethane	<5.0		5.0		ug/L			07/29/11 18:35	1
Propionitrile	<20		20		ug/L			07/29/11 18:35	1
Styrene	<1.0		1.0		ug/L			07/29/11 18:35	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 18:35	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 18:35	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/11 18:35	1
Toluene	<1.0		1.0		ug/L			07/29/11 18:35	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/11 18:35	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/11 18:35	1
Trichloroethene	<1.0		1.0		ug/L			07/29/11 18:35	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: Rinsate 7.25.11

Lab Sample ID: 680-70717-7

Date Collected: 07/25/11 15:35

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/29/11 18:35	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/29/11 18:35	1
Vinyl acetate	<2.0		2.0		ug/L			07/29/11 18:35	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/11 18:35	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/11 18:35	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		70 - 130		07/29/11 18:35	1
Dibromofluoromethane	104		70 - 130		07/29/11 18:35	1
Toluene-d8 (Surr)	99		70 - 130		07/29/11 18:35	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: Trip Blank

Lab Sample ID: 680-70717-8

Date Collected: 07/25/11 15:40

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/29/11 14:09	1
Acetonitrile	<40		40		ug/L			07/29/11 14:09	1
Acrolein	<20		20		ug/L			07/29/11 14:09	1
Acrylonitrile	<20		20		ug/L			07/29/11 14:09	1
Benzene	<1.0		1.0		ug/L			07/29/11 14:09	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/11 14:09	1
Bromoform	<1.0	*	1.0		ug/L			07/29/11 14:09	1
Bromomethane	<1.0		1.0		ug/L			07/29/11 14:09	1
2-Butanone (MEK)	<10		10		ug/L			07/29/11 14:09	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/11 14:09	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/11 14:09	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/11 14:09	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/29/11 14:09	1
Chloroethane	<1.0		1.0		ug/L			07/29/11 14:09	1
Chloroform	<1.0		1.0		ug/L			07/29/11 14:09	1
Chloromethane	<1.0		1.0		ug/L			07/29/11 14:09	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/29/11 14:09	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/11 14:09	1
1,2-Dibromo-3-Chloropropane	<1.0	*	1.0		ug/L			07/29/11 14:09	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/29/11 14:09	1
Dibromomethane	<1.0		1.0		ug/L			07/29/11 14:09	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/29/11 14:09	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/29/11 14:09	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/11 14:09	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/11 14:09	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 14:09	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 14:09	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/11 14:09	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/11 14:09	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 14:09	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 14:09	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/11 14:09	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/29/11 14:09	1
2-Hexanone	<10		10		ug/L			07/29/11 14:09	1
Iodomethane	<5.0		5.0		ug/L			07/29/11 14:09	1
Isobutyl alcohol	<40		40		ug/L			07/29/11 14:09	1
Methacrylonitrile	<20		20		ug/L			07/29/11 14:09	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/11 14:09	1
Methyl methacrylate	<1.0		1.0		ug/L			07/29/11 14:09	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/11 14:09	1
Pentachloroethane	<5.0		5.0		ug/L			07/29/11 14:09	1
Propionitrile	<20		20		ug/L			07/29/11 14:09	1
Styrene	<1.0		1.0		ug/L			07/29/11 14:09	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 14:09	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 14:09	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/11 14:09	1
Toluene	<1.0		1.0		ug/L			07/29/11 14:09	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/11 14:09	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/11 14:09	1
Trichloroethene	<1.0		1.0		ug/L			07/29/11 14:09	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: Trip Blank

Lab Sample ID: 680-70717-8

Date Collected: 07/25/11 15:40

Matrix: Water

Date Received: 07/26/11 08:01

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			07/29/11 14:09	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/29/11 14:09	1
Vinyl acetate	<2.0		2.0		ug/L			07/29/11 14:09	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/11 14:09	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/11 14:09	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130		07/29/11 14:09	1
Dibromofluoromethane	104		70 - 130		07/29/11 14:09	1
Toluene-d8 (Surr)	99		70 - 130		07/29/11 14:09	1

Surrogate Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70717-1

Project/Site: Hercules Hattiesburg APIX 7/25/11

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	BFB (70-130)	DBFM (70-130)	TOL (70-130)
680-70717-1	CM-05	93	107	99
680-70717-2	CM-04	95	106	100
680-70717-3	CM-03	94	103	96
680-70717-4	CM-02	95	105	99
680-70717-5	CM-01	93	103	101
680-70717-6	CM-00	93	104	101
680-70717-7	Rinsate 7.25.11	92	104	99
680-70717-8	Trip Blank	93	104	99
LCS 680-210523/10	Lab Control Sample	96	104	98
LCSD 680-210523/11	Lab Control Sample Dup	107	112	106
MB 680-210523/13	Method Blank	101	104	99

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-210523/13

Matrix: Water

Analysis Batch: 210523

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	Result	MB MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			07/29/11 12:13	1
Acetonitrile	<40		40		ug/L			07/29/11 12:13	1
Acrolein	<20		20		ug/L			07/29/11 12:13	1
Acrylonitrile	<20		20		ug/L			07/29/11 12:13	1
Benzene	<1.0		1.0		ug/L			07/29/11 12:13	1
Dichlorobromomethane	<1.0		1.0		ug/L			07/29/11 12:13	1
Bromoform	<1.0		1.0		ug/L			07/29/11 12:13	1
Bromomethane	<1.0		1.0		ug/L			07/29/11 12:13	1
2-Butanone (MEK)	<10		10		ug/L			07/29/11 12:13	1
Carbon disulfide	<2.0		2.0		ug/L			07/29/11 12:13	1
Carbon tetrachloride	<1.0		1.0		ug/L			07/29/11 12:13	1
Chlorobenzene	<1.0		1.0		ug/L			07/29/11 12:13	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			07/29/11 12:13	1
Chloroethane	<1.0		1.0		ug/L			07/29/11 12:13	1
Chloroform	<1.0		1.0		ug/L			07/29/11 12:13	1
Chloromethane	<1.0		1.0		ug/L			07/29/11 12:13	1
3-Chloro-1-propene	<1.0		1.0		ug/L			07/29/11 12:13	1
Chlorodibromomethane	<1.0		1.0		ug/L			07/29/11 12:13	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			07/29/11 12:13	1
Ethylene Dibromide	<1.0		1.0		ug/L			07/29/11 12:13	1
Dibromomethane	<1.0		1.0		ug/L			07/29/11 12:13	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			07/29/11 12:13	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			07/29/11 12:13	1
1,1-Dichloroethane	<1.0		1.0		ug/L			07/29/11 12:13	1
1,2-Dichloroethane	<1.0		1.0		ug/L			07/29/11 12:13	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 12:13	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			07/29/11 12:13	1
1,1-Dichloroethene	<1.0		1.0		ug/L			07/29/11 12:13	1
1,2-Dichloropropane	<1.0		1.0		ug/L			07/29/11 12:13	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 12:13	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			07/29/11 12:13	1
Ethylbenzene	<1.0		1.0		ug/L			07/29/11 12:13	1
Ethyl methacrylate	<1.0		1.0		ug/L			07/29/11 12:13	1
2-Hexanone	<10		10		ug/L			07/29/11 12:13	1
Iodomethane	<5.0		5.0		ug/L			07/29/11 12:13	1
Isobutyl alcohol	<40		40		ug/L			07/29/11 12:13	1
Methacrylonitrile	<20		20		ug/L			07/29/11 12:13	1
Methylene Chloride	<5.0		5.0		ug/L			07/29/11 12:13	1
Methyl methacrylate	<1.0		1.0		ug/L			07/29/11 12:13	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			07/29/11 12:13	1
Pentachloroethane	<5.0		5.0		ug/L			07/29/11 12:13	1
Propionitrile	<20		20		ug/L			07/29/11 12:13	1
Styrene	<1.0		1.0		ug/L			07/29/11 12:13	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 12:13	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			07/29/11 12:13	1
Tetrachloroethene	<1.0		1.0		ug/L			07/29/11 12:13	1
Toluene	<1.0		1.0		ug/L			07/29/11 12:13	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			07/29/11 12:13	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			07/29/11 12:13	1

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-210523/13

Matrix: Water

Analysis Batch: 210523

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<1.0		1.0		ug/L			07/29/11 12:13	1
Trichlorofluoromethane	<1.0		1.0		ug/L			07/29/11 12:13	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			07/29/11 12:13	1
Vinyl acetate	<2.0		2.0		ug/L			07/29/11 12:13	1
Vinyl chloride	<1.0		1.0		ug/L			07/29/11 12:13	1
Xylenes, Total	<2.0		2.0		ug/L			07/29/11 12:13	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		70 - 130		07/29/11 12:13	1
Dibromofluoromethane	104		70 - 130		07/29/11 12:13	1
Toluene-d8 (Surr)	99		70 - 130		07/29/11 12:13	1

Lab Sample ID: LCS 680-210523/10

Matrix: Water

Analysis Batch: 210523

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Acetone	100	129		ug/L		129	26 - 180
Benzene	50.0	46.4		ug/L		93	70 - 130
Dichlorobromomethane	50.0	42.5		ug/L		85	70 - 130
Bromoform	50.0	33.4	*	ug/L		67	70 - 130
Bromomethane	50.0	24.6		ug/L		49	23 - 165
2-Butanone (MEK)	100	106		ug/L		106	49 - 172
Carbon disulfide	50.0	46.7		ug/L		93	54 - 132
Carbon tetrachloride	50.0	36.9		ug/L		74	70 - 130
Chlorobenzene	50.0	48.6		ug/L		97	70 - 130
Chloroethane	50.0	49.2		ug/L		98	56 - 152
Chloroform	50.0	49.9		ug/L		100	70 - 130
Chloromethane	50.0	53.7		ug/L		107	70 - 130
Chlorodibromomethane	50.0	39.3		ug/L		79	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	33.5	*	ug/L		67	70 - 130
Ethylene Dibromide	50.0	49.7		ug/L		99	70 - 130
Dibromomethane	50.0	49.2		ug/L		98	70 - 130
Dichlorodifluoromethane	50.0	51.0		ug/L		102	44 - 146
1,1-Dichloroethane	50.0	48.6		ug/L		97	70 - 130
1,2-Dichloroethane	50.0	48.2		ug/L		96	70 - 130
cis-1,2-Dichloroethene	50.0	49.8		ug/L		100	70 - 130
trans-1,2-Dichloroethene	50.0	49.9		ug/L		100	70 - 130
1,1-Dichloroethene	50.0	51.1		ug/L		102	66 - 131
1,2-Dichloropropane	50.0	45.9		ug/L		92	70 - 130
cis-1,3-Dichloropropene	50.0	44.4		ug/L		89	70 - 130
trans-1,3-Dichloropropene	50.0	43.0		ug/L		86	70 - 130
Ethylbenzene	50.0	46.0		ug/L		92	70 - 130
2-Hexanone	100	107		ug/L		107	42 - 185
Methylene Chloride	50.0	50.4		ug/L		101	67 - 130
4-Methyl-2-pentanone (MIBK)	100	91.1		ug/L		91	70 - 130
Styrene	50.0	49.7		ug/L		99	70 - 130
1,1,1,2-Tetrachloroethane	50.0	40.5		ug/L		81	70 - 130
1,1,2,2-Tetrachloroethane	50.0	46.9		ug/L		94	70 - 130

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.

TestAmerica Job ID: 680-70717-1

Project/Site: Hercules Hattiesburg APIX 7/25/11

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-210523/10

Matrix: Water

Analysis Batch: 210523

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Tetrachloroethene	50.0	50.2		ug/L		100	70 - 130	
Toluene	50.0	46.9		ug/L		94	70 - 130	
1,1,1-Trichloroethane	50.0	43.9		ug/L		88	70 - 130	
1,1,2-Trichloroethane	50.0	48.0		ug/L		96	70 - 130	
Trichloroethene	50.0	49.1		ug/L		98	70 - 130	
Trichlorofluoromethane	50.0	51.0		ug/L		102	55 - 156	
1,2,3-Trichloropropane	50.0	47.8		ug/L		96	70 - 130	
Vinyl acetate	100	94.0		ug/L		94	60 - 176	
Vinyl chloride	50.0	50.7		ug/L		101	67 - 134	
Xylenes, Total	150	144		ug/L		96	70 - 130	

Surrogate	LCS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	96		70 - 130
Dibromofluoromethane	104		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: LCSD 680-210523/11

Matrix: Water

Analysis Batch: 210523

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD	Limit
							Limits			
Acetone	100	135		ug/L		135	26 - 180	4	50	
Benzene	50.0	51.7		ug/L		103	70 - 130	11	30	
Dichlorobromomethane	50.0	48.6		ug/L		97	70 - 130	13	30	
Bromoform	50.0	38.1		ug/L		76	70 - 130	13	30	
Bromomethane	50.0	35.2		ug/L		70	23 - 165	35	50	
2-Butanone (MEK)	100	115		ug/L		115	49 - 172	8	30	
Carbon disulfide	50.0	49.9		ug/L		100	54 - 132	7	30	
Carbon tetrachloride	50.0	42.6		ug/L		85	70 - 130	14	30	
Chlorobenzene	50.0	53.0		ug/L		106	70 - 130	9	30	
Chloroethane	50.0	54.8		ug/L		110	56 - 152	11	40	
Chloroform	50.0	54.5		ug/L		109	70 - 130	9	30	
Chloromethane	50.0	56.8		ug/L		114	70 - 130	6	30	
Chlorodibromomethane	50.0	42.7		ug/L		85	70 - 130	8	50	
1,2-Dibromo-3-Chloropropane	50.0	38.7		ug/L		77	70 - 130	14	50	
Ethylene Dibromide	50.0	55.2		ug/L		110	70 - 130	10	30	
Dibromomethane	50.0	54.4		ug/L		109	70 - 130	10	30	
Dichlorodifluoromethane	50.0	55.0		ug/L		110	44 - 146	8	50	
1,1-Dichloroethane	50.0	52.5		ug/L		105	70 - 130	8	30	
1,2-Dichloroethane	50.0	52.8		ug/L		106	70 - 130	9	30	
cis-1,2-Dichloroethene	50.0	55.0		ug/L		110	70 - 130	10	30	
trans-1,2-Dichloroethene	50.0	53.0		ug/L		106	70 - 130	6	30	
1,1-Dichloroethene	50.0	55.6		ug/L		111	66 - 131	8	30	
1,2-Dichloropropane	50.0	51.5		ug/L		103	70 - 130	12	30	
cis-1,3-Dichloropropene	50.0	48.8		ug/L		98	70 - 130	9	30	
trans-1,3-Dichloropropene	50.0	47.9		ug/L		96	70 - 130	11	50	
Ethylbenzene	50.0	51.3		ug/L		103	70 - 130	11	30	
2-Hexanone	100	115		ug/L		115	42 - 185	7	30	
Methylene Chloride	50.0	54.6		ug/L		109	67 - 130	8	30	

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-210523/11

Matrix: Water

Analysis Batch: 210523

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	100	103		ug/L		103	70 - 130	12	30
Styrene	50.0	54.9		ug/L		110	70 - 130	10	30
1,1,1,2-Tetrachloroethane	50.0	45.8		ug/L		92	70 - 130	12	30
1,1,2,2-Tetrachloroethane	50.0	51.5		ug/L		103	70 - 130	9	30
Tetrachloroethene	50.0	53.6		ug/L		107	70 - 130	7	30
Toluene	50.0	51.3		ug/L		103	70 - 130	9	30
1,1,1-Trichloroethane	50.0	50.4		ug/L		101	70 - 130	14	30
1,1,2-Trichloroethane	50.0	53.3		ug/L		107	70 - 130	10	30
Trichloroethene	50.0	54.6		ug/L		109	70 - 130	11	30
Trichlorofluoromethane	50.0	55.6		ug/L		111	55 - 156	9	30
1,2,3-Trichloropropane	50.0	53.1		ug/L		106	70 - 130	11	30
Vinyl acetate	100	100		ug/L		100	60 - 176	6	30
Vinyl chloride	50.0	55.0		ug/L		110	67 - 134	8	30
Xylenes, Total	150	159		ug/L		106	70 - 130	10	30

Surrogate	LCSD		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	107		70 - 130
Dibromofluoromethane	112		70 - 130
Toluene-d8 (Surr)	106		70 - 130

QC Association Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70717-1

Project/Site: Hercules Hattiesburg APIX 7/25/11

GC/MS VOA

Analysis Batch: 210523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70717-8	Trip Blank	Total/NA	Water	8260B	
680-70717-1	CM-05	Total/NA	Water	8260B	
LCS 680-210523/10	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-210523/11	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-210523/13	Method Blank	Total/NA	Water	8260B	
680-70717-2	CM-04	Total/NA	Water	8260B	
680-70717-3	CM-03	Total/NA	Water	8260B	
680-70717-4	CM-02	Total/NA	Water	8260B	
680-70717-5	CM-01	Total/NA	Water	8260B	
680-70717-6	CM-00	Total/NA	Water	8260B	
680-70717-7	Rinsate 7.25.11	Total/NA	Water	8260B	

Lab Chronicle

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: CM-05

Date Collected: 07/25/11 13:15

Date Received: 07/26/11 08:01

Lab Sample ID: 680-70717-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210523	07/29/11 15:38	RB	TAL SAV

Client Sample ID: CM-04

Date Collected: 07/25/11 13:20

Date Received: 07/26/11 08:01

Lab Sample ID: 680-70717-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210523	07/29/11 16:07	RB	TAL SAV

Client Sample ID: CM-03

Date Collected: 07/25/11 13:30

Date Received: 07/26/11 08:01

Lab Sample ID: 680-70717-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210523	07/29/11 16:37	RB	TAL SAV

Client Sample ID: CM-02

Date Collected: 07/25/11 13:53

Date Received: 07/26/11 08:01

Lab Sample ID: 680-70717-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210523	07/29/11 17:06	RB	TAL SAV

Client Sample ID: CM-01

Date Collected: 07/25/11 15:00

Date Received: 07/26/11 08:01

Lab Sample ID: 680-70717-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210523	07/29/11 17:36	RB	TAL SAV

Client Sample ID: CM-00

Date Collected: 07/25/11 15:08

Date Received: 07/26/11 08:01

Lab Sample ID: 680-70717-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210523	07/29/11 18:05	RB	TAL SAV

Client Sample ID: Rinsate 7.25.11

Date Collected: 07/25/11 15:35

Date Received: 07/26/11 08:01

Lab Sample ID: 680-70717-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210523	07/29/11 18:35	RB	TAL SAV

Lab Chronicle

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/25/11

TestAmerica Job ID: 680-70717-1

Client Sample ID: Trip Blank

Date Collected: 07/25/11 15:40

Date Received: 07/26/11 08:01

Lab Sample ID: 680-70717-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210523	07/29/11 14:09	RB	TAL SAV

Laboratory References:
TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Mobile
Bottle Order #16000
from shipping order ID # 35212

TA Mobile
900 Lakeside Drive
Mobile, AL 36693
Phone: (251) 666-6633
Fax: (251) 666-6696

www.testamericainc.com

TA Mobile
900 Lakeside Drive
Mobile, AL 36693
Phone: (251) 666-6633
Fax: (251) 666-6696

www.testamericainc.com

Analysis Request and Chain of Custody Record

PROJECT REFERENCE: **HA96M**
PROJECT NO: **11073**
PROJECT LOCATION (STATE): **MS**
CONTRACT NO.

CLIENT (SITE) NAME: **Lidya Gulzig**
CLIENT PHONE: **302-995-3456**
CLIENT FAX: **995-3485**
CLIENT EMAIL: **tdhasset@ashland.com**

CLIENT ADDRESS: **Ashland Chemical**
500 Hercules Blvd
Wilmington, DE 19808-1599

COMPANY CONTRACTING THIS WORK (if applicable): **Ashland Chemical**

Matrix Type

☒ Aqueous (Water)
☐ Solid or Semisolid
☐ Nonaqueous Liquid (Oil, Solvent, etc.)

Delivery

☒ Standard Report
☐ Expedited Report
☐ Delivery (Surcharge)
☐ Date Due

Number of Coolers Submitted per Shipment: **1**

SAMPLE		DATE		TIME		SAMPLE IDENTIFICATION		MATRIX TYPE		COMPOSITE (C) OR GRAB (G) INDICATE		RELINQUISHED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		DATE		TIME		REMARKS	
7-25-11	1315					CM-05															
7-25-11	1320					CM-04															
7-25-11	1330					CM-03															
7-25-11	1353					CM-02															
7-25-11	1500					CM-01															
7-25-11	1508					CM-00															
7-25-11	1535					Rinsate															
7-25-11	1540					Trip Blank															

Relinquished By: (Signature)
Received By: (Signature)

Relinquished By: (Signature)
Received By: (Signature)

Relinquished By: (Signature)
Received By: (Signature)

Received for Laboratory By: (Signature)
Received for Laboratory By: (Signature)

Received for Laboratory By: (Signature)
Received for Laboratory By: (Signature)

Received for Laboratory By: (Signature)
Received for Laboratory By: (Signature)

Received for Laboratory By: (Signature)
Received for Laboratory By: (Signature)

Received for Laboratory By: (Signature)
Received for Laboratory By: (Signature)

Received for Laboratory By: (Signature)
Received for Laboratory By: (Signature)

Login Sample Receipt Checklist

Client: Ashland Inc.

Job Number: 680-70717-1

Login Number: 70717

List Source: TestAmerica Savannah

List Number: 1

Creator: Barnett, Eddie T

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70717-1

Project/Site: Hercules Hattiesburg APIX 7/25/11

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Savannah	A2LA	DoD ELAP		0399-01
TestAmerica Savannah	A2LA	ISO/IEC 17025		399.01
TestAmerica Savannah	Alabama	State Program	4	41450
TestAmerica Savannah	Arkansas	Arkansas DOH	6	N/A
TestAmerica Savannah	Arkansas	State Program	6	88-0692
TestAmerica Savannah	California	NELAC	9	3217CA
TestAmerica Savannah	Colorado	State Program	8	N/A
TestAmerica Savannah	Connecticut	State Program	1	PH-0161
TestAmerica Savannah	Delaware	State Program	3	N/A
TestAmerica Savannah	Florida	NELAC	4	E87052
TestAmerica Savannah	Georgia	Georgia EPD	4	N/A
TestAmerica Savannah	Georgia	State Program	4	803
TestAmerica Savannah	Guam	State Program	9	09-005r
TestAmerica Savannah	Hawaii	State Program	9	N/A
TestAmerica Savannah	Illinois	NELAC	5	200022
TestAmerica Savannah	Indiana	State Program	5	N/A
TestAmerica Savannah	Iowa	State Program	7	353
TestAmerica Savannah	Kansas	NELAC	7	E-10322
TestAmerica Savannah	Kentucky	Kentucky UST	4	18
TestAmerica Savannah	Kentucky	State Program	4	90084
TestAmerica Savannah	Louisiana	NELAC	6	30690
TestAmerica Savannah	Louisiana	NELAC	6	LA100015
TestAmerica Savannah	Maine	State Program	1	GA00006
TestAmerica Savannah	Maryland	State Program	3	250
TestAmerica Savannah	Massachusetts	State Program	1	M-GA006
TestAmerica Savannah	Michigan	State Program	5	9925
TestAmerica Savannah	Mississippi	State Program	4	N/A
TestAmerica Savannah	Montana	State Program	8	CERT0081
TestAmerica Savannah	Nebraska	State Program	7	TestAmerica-Savannah
TestAmerica Savannah	Nevada	State Program	9	GA6
TestAmerica Savannah	New Jersey	NELAC	2	GA769
TestAmerica Savannah	New Mexico	State Program	6	N/A
TestAmerica Savannah	New York	NELAC	2	10842
TestAmerica Savannah	North Carolina	North Carolina DENR	4	269
TestAmerica Savannah	North Carolina	North Carolina PHL	4	13701
TestAmerica Savannah	Oklahoma	State Program	6	9984
TestAmerica Savannah	Pennsylvania	NELAC	3	68-00474
TestAmerica Savannah	Puerto Rico	State Program	2	GA00006
TestAmerica Savannah	Rhode Island	State Program	1	LAO00244
TestAmerica Savannah	South Carolina	State Program	4	98001
TestAmerica Savannah	Tennessee	State Program	4	TN02961
TestAmerica Savannah	Texas	NELAC	6	T104704185-08-TX
TestAmerica Savannah	USDA	USDA		SAV 3-04
TestAmerica Savannah	Vermont	State Program	1	87052
TestAmerica Savannah	Virginia	State Program	3	302
TestAmerica Savannah	Washington	State Program	10	C1794
TestAmerica Savannah	West Virginia	West Virginia DEP	3	94
TestAmerica Savannah	West Virginia	West Virginia DHHR (DW)	3	9950C
TestAmerica Savannah	Wisconsin	State Program	5	999819810
TestAmerica Savannah	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.