ARCADIS

Appendix B

Laboratory Analytical Results

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

Lidya Gulizia

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

Table of Contents

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

TestAmerica Job ID: 680-70717-1

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

5

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 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

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

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

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*

8

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

TestAmerica Job ID: 680-70717-1

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

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

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

TestAmerica Job ID: 680-70717-1

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

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*

8

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

TestAmerica Job ID: 680-70717-1

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

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

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

TestAmerica Job ID: 680-70717-1

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

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*

8

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

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

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

TestAmerica Job ID: 680-70717-1

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

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*

8

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

TestAmerica Job ID: 680-70717-1

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

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

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

TestAmerica Job ID: 680-70717-1

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

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*

8

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

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

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

TestAmerica Job ID: 680-70717-1

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

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*

8

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

TestAmerica Job ID: 680-70717-1

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

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

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

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

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

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	<2.0		2.0		ug/L			07/29/11 14:09	1
trans-1,4-Dichloro-2-butene	<1.0		1.0		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	<10		10		ug/L			07/29/11 14:09	1
2-Hexanone	<5.0		5.0		ug/L			07/29/11 14:09	1
Iodomethane	<40		40		ug/L			07/29/11 14:09	1
Isobutyl alcohol	<20		20		ug/L			07/29/11 14:09	1
Methacrylonitrile	<5.0		5.0		ug/L			07/29/11 14:09	1
Methylene Chloride	<1.0		1.0		ug/L			07/29/11 14:09	1
Methyl methacrylate	<10		10		ug/L			07/29/11 14:09	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0		ug/L			07/29/11 14:09	1
Pentachloroethane	<20		20		ug/L			07/29/11 14:09	1
Propionitrile	<1.0		1.0		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									

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

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*

8

Surrogate Summary

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

TestAmerica Job ID: 680-70717-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(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)

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	MB Result	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

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

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 % Recovery*	*LCS Qualifier*	*Limits*
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. Limits	RPD	RPD Limit
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

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

QC Association Summary

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

TestAmerica Job ID: 680-70717-1

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

Lab Sample ID: 680-70717-8

Date Collected: 07/25/11 15:40
Date Received: 07/26/11 08:01

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

Serial Number

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Bottle Order #16000 from shipping order ID # 35216

Mobile

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

Alternate Laboratory Name/Location:
Test America Savannah
5102 LaRoche Ave
Savannah, GA 31404
Phone: 912-354-7858
Fax: 912-352-0165

TAL-8240 (1007)

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT REFERENCE: Hattiesburg Hercules AP96M	PROJECT NO: 11073	PROJECT LOCATION (STATE): MS	
(LAB) PROJECT MANAGER: Lidya Gulzig	P O NUMBER:	CONTRACT NO.	
CLIENT (SITE) PM: Tim Hassett	CLIENT PHONE: 302-995-3456	CLIENT FAX: 995-3485	
CLIENT NAME: Ashland Chemical	CLIENT EMAIL: tdhassett@ashland.com		
CLIENT ADDRESS: 500 Hercules Road Wilmington DE 19808-1599	SAMPLER'S SIGNATURE:		
COMPANY CONTRACTING THIS WORK (if applicable)			

REQUIRED ANALYSES: 8260B APP VIX unpreserved

STANDARD REPORT DELIVERY: X
DATE DUE:
EXPEDITED REPORT DELIVERY (SURCHARGE): ○
DATE DUE:
NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	MATRIX: AQUEOUS (WATER)	MATRIX: SOLID OR SEMISOLID	MATRIX: AIR	MATRIX: NONAQUEOUS LIQUID (OIL, SOLVENT,)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
7-25-11	1315	CM-05	G	X				3	
7-25-11	1320	CM-04	G	X				3	
7-25-11	1330	CM-03	G	X				3	
7-25-11	1353	CM-02	G	X				3	
7-25-11	1500	CM-01	G	X				3	
7-25-11	1508	CM-00	G	X				3	
7-25-11	1535	Rinsate 7.25.11	G	X				3	
7-25-11	1540	Trip Blank	G	X				3	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	7-25-11	1615						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES / NO	CUSTODY SEAL NO.	LOG NO.	LABORATORY REMARKS:
Ellie Barnett	07/26/11	0801	YES		70717	5.6 C

Original - Return to Laboratory with Sample(s)

Login Sample Receipt Checklist

Client: Ashland Inc.

Job Number: 680-70717-1

Login Number: 70717
List Number: 1
Creator: Barnett, Eddie T

List Source: TestAmerica Savannah

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

TestAmerica Job ID: 680-70717-1

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.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-70758-1
Client Project/Site: Hercules Hattiesburg APIX 7/26/11
Revision: 1

For:
Ashland Inc.
Ashland Hercules Research Center
500 Hercules Rd Bldg 8139
Wilmington, Delaware 19808

Attn: Timothy Hassett

Lidya Gulizia

Authorized for release by:
09/19/2011 12:58:45 PM

Lidya Gulizia
Project Manager II
lidya.gulizia@testamericainc.com

cc: Craig Derouen Chris Waters Charlie Jordan

Table of Contents

Job ID: 680-70758-1

Laboratory: TestAmerica Savannah

Narrative

Job Narrative
680-70758-1 / Revised Report 9/19/11

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: 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 4 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 210665 had 3 analytes outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: The following sample(s) was diluted due to abundance of target analytes ASH-DUP-072611 (680-70758-2), ASH-MW17-072611 (680-70758-5), ASH-MW23-072611 (680-70758-6), ASH-MW08-072611 (680-70758-1), ASH-MW19-072611 (680-70758-7). As such, surrogate recoveries are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8270C: The laboratory control sample (LCS) for batch 210278 exceeded control limits for the following analyte(s): famphur. Famphur has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method(s) 8270C: 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 associated with batch 210278 had two analytes outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270C: Internal standard (ISTD) response for the following sample(s) was outside control limits: ASH-MW08-072611 (680-70758-1). The sample(s) was re-analyzed with concurring results. The original set of data has been reported.

Method(s) 8270C: The following analyte(s) recovered outside control limits for the LCS associated with batch 210278: dimethoate. This analyte was outside the Marginal Exceedance Limits. The holding time had expired ; therefore, re-extraction and/or re-analysis was not performed.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8081A_8082: Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample(s) contained an allowable number of surrogate compounds outside limits: ASH-DUP-072611 (680-70758-2), ASH-MW08-072611 (680-70758-1), ASH-MW13-072611 (680-70758-4), ASH-MW19-072611 (680-70758-7), ASH-MW23-072611 (680-70758-6), GWC-SC-M2-7-11 (680-70747-8), GWC-SC-M2-7-11 (680-70747-8 MS), GWC-SC-M2-7-11 (680-70747-8 MSD), (LCS 680-210285/19-A). These results have been reported and qualified.

Method(s) 8081A_8082: Internal standard (ISTD) response for the following sample(s) exceeded the control limit on Column two: ASH-DUP-072611 (680-70758-2), ASH-MW08-072611 (680-70758-1), ASH-MW13-072611 (680-70758-4), ASH-MW23-072611 (680-70758-6). As such, the sample results associated with this ISTD were reported from the other column, which met ISTD acceptance criteria. Sample matrix co-eluted with the ISTD on column two resulting in the high biased recovery.

Method(s) 8081A_8082: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 210285 were outside control limits. The

Job ID: 680-70758-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8081A_8082: 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 one analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 210285 had one analyte outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8081A_8082: The pesticide LCS exceeded control limits for the surrogate DCB. The remaining batch QC met acceptance criteria for DCB. The pesticide LCS met acceptance criteria established within the SOP for all spiked target analytes; therefor the data have been flagged and reported. Re-extraction of the samples would have been outside of holding times.

Method(s) 8081A_8082: The following sample(s) was diluted due to the nature of the sample matrix: ASH-MW17-072611 (680-70758-5). Elevated reporting limits (RLs) are provided. Due to the level of dilution required for the following sample(s), surrogate recoveries are not reported.

Method(s) 8151A: Surrogate recovery for the following sample(s) was outside control limits: ASH-MW17-072611 (680-70758-5), ASH-MW23-072611 (680-70758-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8151A: This method incorporates the use of second column confirmation. Corrective action for unacceptable percent recovery is not taken for surrogate compounds unless the results from both columns are outside criteria. Any results which fall outside criteria are qualified and reported.

No other analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
Method(s) 335.4, 9012A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 210679 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Subcontract Work
Method 8290 - PCDD/PCDF: This method was subcontracted to TestAmerica West Sacramento. The TEQ concentrations wre calculated based on WHO 2005 TEF with non-detects equal to zero.

Comments
The report was revised to report all TA Savannah results to the method detection limit (MDL) and to revise the Method 8290 results from Appendix IX constituents to full PCDD/PCDF 2,3,7,8-substituted targets.

No other additional comments.

Sample Summary

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-70758-1	ASH-MW08-072611	Water	07/26/11 09:25	07/27/11 09:20
680-70758-2	ASH-DUP-072611	Water	07/26/11 00:00	07/27/11 09:20
680-70758-3	ASH-RSI-072611	Water	07/26/11 08:57	07/27/11 09:20
680-70758-4	ASH-MW13-072611	Water	07/26/11 09:20	07/27/11 09:20
680-70758-5	ASH-MW17-072611	Water	07/26/11 11:45	07/27/11 09:20
680-70758-6	ASH-MW23-072611	Water	07/26/11 12:51	07/27/11 09:20
680-70758-7	ASH-MW19-072611	Water	07/26/11 14:20	07/27/11 09:20
680-70758-9	Trip Blank	Water	07/26/11 00:00	07/27/11 09:20

Method Summary

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081A_8082	Organochlorine Pesticides & PCBs (GC)	SW846	TAL SAV
8151A	Herbicides (GC)	SW846	TAL SAV
8290	Dioxins/Furans, HRGC/HRMS (8290)	SW846	TAL WSC
6020	Metals (ICP/MS)	SW846	TAL SAV
7470A	Mercury (CVAA)	SW846	TAL SAV
9012A	Cyanide, Total and/or Amenable	SW846	TAL SAV
9034	Sulfide, Acid Soluble and Insoluble (Titrimetric)	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

TAL WSC = TestAmerica West Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
X	Surrogate is outside control limits
U	Indicates the analyte was analyzed for but not detected.
*	LCS or LCSD exceeds the control limits
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F	MS or MSD exceeds the control limits

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

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
%R	Percent Recovery
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit (Dioxin)
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or method detection limit if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-1

Client Sample ID: ASH-MW08-072611 — Lab Sample ID: 680-70758-1

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	Dil Fac	D	Method	Prep Type
Total TCDF	60		14	14			pg/L	1.05		8290	Total

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4600		50	13	ug/L	50		8260B	Total/NA
Carbon tetrachloride	2600		50	25	ug/L	50		8260B	Total/NA
Chlorobenzene	220		50	13	ug/L	50		8260B	Total/NA
Chloroform	640		50	7.0	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	18	J	50	7.5	ug/L	50		8260B	Total/NA
Ethylbenzene	55		50	5.5	ug/L	50		8260B	Total/NA
Methylene Chloride	340		250	50	ug/L	50		8260B	Total/NA
Toluene	29	J	50	17	ug/L	50		8260B	Total/NA
Xylenes, Total	95	J	100	10	ug/L	50		8260B	Total/NA
1,4-Dioxane	13000		1000	350	ug/L	100		8270C	Total/NA
o,o',o"-Triethylphosphorothioate	3400		1000	100	ug/L	100		8270C	Total/NA
alpha-BHC	0.61		0.051	0.0058	ug/L	1		8081A_8082	Total/NA
gamma-BHC (Lindane)	0.30		0.051	0.0060	ug/L	1		8081A_8082	Total/NA
Arsenic	42		2.5	1.3	ug/L	1		6020	Total/NA
Barium	260		5.0	1.4	ug/L	1		6020	Total/NA
Cobalt	0.37	J	0.50	0.12	ug/L	1		6020	Total/NA
Copper	1.5	J	5.0	1.1	ug/L	1		6020	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sulfide	5.0		1.0	1.0	mg/L	1		9034	Total/NA

Client Sample ID: ASH-DUP-072611 — Lab Sample ID: 680-70758-2

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	Dil Fac	D	Method	Prep Type
Total TCDF	66		10	6.0			pg/L	1.01		8290	Total

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	5100		50	13	ug/L	50		8260B	Total/NA
Carbon tetrachloride	2700	*	50	25	ug/L	50		8260B	Total/NA
Chlorobenzene	240		50	13	ug/L	50		8260B	Total/NA
Chloroform	640		50	7.0	ug/L	50		8260B	Total/NA
cis-1,2-Dichloroethene	10	J	50	7.5	ug/L	50		8260B	Total/NA
Ethylbenzene	61		50	5.5	ug/L	50		8260B	Total/NA
Methylene Chloride	350		250	50	ug/L	50		8260B	Total/NA
Toluene	35	J	50	17	ug/L	50		8260B	Total/NA
Xylenes, Total	90	J	100	10	ug/L	50		8260B	Total/NA
1,4-Dioxane	9400		510	170	ug/L	50		8270C	Total/NA
o,o',o"-Triethylphosphorothioate	3300		510	51	ug/L	50		8270C	Total/NA
alpha-BHC	0.75		0.049	0.0056	ug/L	1		8081A_8082	Total/NA
gamma-BHC (Lindane)	0.45		0.049	0.0058	ug/L	1		8081A_8082	Total/NA
Arsenic	44		2.5	1.3	ug/L	1		6020	Total/NA
Barium	260		5.0	1.4	ug/L	1		6020	Total/NA
Cobalt	0.37	J	0.50	0.12	ug/L	1		6020	Total/NA
Selenium	1.1	J	2.5	1.1	ug/L	1		6020	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sulfide	17		1.0	1.0	mg/L	1		9034	Total/NA

Client Sample ID: ASH-RSI-072611 — Lab Sample ID: 680-70758-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	0.25	J	2.0	0.20	ug/L	1		8260B	Total/NA
Barium	12		5.0	1.4	ug/L	1		6020	Total/NA
Copper	3.2	J	5.0	1.1	ug/L	1		6020	Total/NA

Client Sample ID: ASH-RSI-072611 (Continued)

Lab Sample ID: 680-70758-3

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sulfide	2.3		1.0	1.0	mg/L	1		9034	Total/NA

Client Sample ID: ASH-MW13-072611

Lab Sample ID: 680-70758-4

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	Dil Fac	D	Method	Prep Type
Total TCDF	17		10	3.3			pg/L	1		8290	Total

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	390		10	2.5	ug/L	10		8260B	Total/NA
Carbon tetrachloride	620		10	5.0	ug/L	10		8260B	Total/NA
Chlorobenzene	24		10	2.5	ug/L	10		8260B	Total/NA
Chloroform	210		10	1.4	ug/L	10		8260B	Total/NA
cis-1,2-Dichloroethene	2.1	J	10	1.5	ug/L	10		8260B	Total/NA
Xylenes, Total	2.3	J	20	2.0	ug/L	10		8260B	Total/NA
1,4-Dioxane	470		49	17	ug/L	5		8270C	Total/NA
o,o',o''-Triethylphosphorothioate	190		49	4.9	ug/L	5		8270C	Total/NA
alpha-BHC	0.25		0.051	0.0058	ug/L	1		8081A_8082	Total/NA
Arsenic	5.7		2.5	1.3	ug/L	1		6020	Total/NA
Barium	49		5.0	1.4	ug/L	1		6020	Total/NA
Beryllium	0.16	J	0.50	0.15	ug/L	1		6020	Total/NA
Cobalt	1.5		0.50	0.12	ug/L	1		6020	Total/NA
Nickel	2.5	J	5.0	2.0	ug/L	1		6020	Total/NA
Zinc	41		20	8.4	ug/L	1		6020	Total/NA

Client Sample ID: ASH-MW17-072611

Lab Sample ID: 680-70758-5

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	Dil Fac	D	Method	Prep Type
Total TCDF	100		10	8.0			pg/L	1		8290	Total

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3600		200	50	ug/L	200		8260B	Total/NA
Carbon tetrachloride	25000	*	200	100	ug/L	200		8260B	Total/NA
Chlorobenzene	770		200	50	ug/L	200		8260B	Total/NA
Chloroform	3000		200	28	ug/L	200		8260B	Total/NA
Ethylbenzene	110	J	200	22	ug/L	200		8260B	Total/NA
Toluene	160	J	200	66	ug/L	200		8260B	Total/NA
Xylenes, Total	270	J	400	40	ug/L	200		8260B	Total/NA
1,4-Dioxane	840	J	1000	340	ug/L	100		8270C	Total/NA
o,o',o''-Triethylphosphorothioate	12000		1000	100	ug/L	100		8270C	Total/NA
alpha-BHC	1.5	p	0.49	0.056	ug/L	10		8081A_8082	Total/NA
4,4'-DDD	0.65	J	0.99	0.064	ug/L	10		8081A_8082	Total/NA
4,4'-DDT	0.44	J	0.99	0.096	ug/L	10		8081A_8082	Total/NA
Arsenic	28		2.5	1.3	ug/L	1		6020	Total/NA
Barium	120		5.0	1.4	ug/L	1		6020	Total/NA
Cobalt	0.69		0.50	0.12	ug/L	1		6020	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sulfide	4.2		1.0	1.0	mg/L	1		9034	Total/NA

Client Sample ID: ASH-MW23-072611

Lab Sample ID: 680-70758-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2000	J	2500	500	ug/L	100		8260B	Total/NA
Benzene	8800		100	25	ug/L	100		8260B	Total/NA
2-Butanone (MEK)	330	J	1000	100	ug/L	100		8260B	Total/NA
Carbon disulfide	390		200	60	ug/L	100		8260B	Total/NA

Client Sample ID: ASH-MW23-072611 (Continued)

Lab Sample ID: 680-70758-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	140		100	25	ug/L	100		8260B	Total/NA
Chloroform	3200		100	14	ug/L	100		8260B	Total/NA
1,1-Dichloroethene	12	J	100	11	ug/L	100		8260B	Total/NA
Methylene Chloride	210	J	500	100	ug/L	100		8260B	Total/NA
4-Methyl-2-pentanone (MIBK)	1100		1000	100	ug/L	100		8260B	Total/NA
Toluene	1300		100	33	ug/L	100		8260B	Total/NA
Acenaphthene	23	J	97	7.4	ug/L	10		8270C	Total/NA
1,1'-Biphenyl	57	J	97	5.6	ug/L	10		8270C	Total/NA
1,4-Dioxane	890		97	33	ug/L	10		8270C	Total/NA
Fluorene	13	J	97	9.3	ug/L	10		8270C	Total/NA
2-Methylnaphthalene	20	J	97	7.6	ug/L	10		8270C	Total/NA
2-Methylphenol	68	J	97	8.6	ug/L	10		8270C	Total/NA
3 & 4 Methylphenol	660		97	13	ug/L	10		8270C	Total/NA
Phenanthrene	11	J	97	7.5	ug/L	10		8270C	Total/NA
Phenol	140		97	8.0	ug/L	10		8270C	Total/NA
2,4-D	6.0	E p	0.50	0.037	ug/L	1		8151A	Total/NA
2,4-D - DL	10	D	2.0	0.15	ug/L	4		8151A	Total/NA
2,4,5-T - DL	0.76	J	2.0	0.25	ug/L	4		8151A	Total/NA
Arsenic	19		2.5	1.3	ug/L	1		6020	Total/NA
Barium	240		5.0	1.4	ug/L	1		6020	Total/NA
Beryllium	3.3		0.50	0.15	ug/L	1		6020	Total/NA
Chromium	5.0		5.0	2.5	ug/L	1		6020	Total/NA
Cobalt	0.71		0.50	0.12	ug/L	1		6020	Total/NA
Nickel	2.7	J	5.0	2.0	ug/L	1		6020	Total/NA
Selenium	1.3	J	2.5	1.1	ug/L	1		6020	Total/NA
Vanadium	16		10	3.2	ug/L	1		6020	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sulfide	7.9		1.0	1.0	mg/L	1		9034	Total/NA

Client Sample ID: ASH-MW19-072611

Lab Sample ID: 680-70758-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.5	J	25	5.0	ug/L	1		8260B	Total/NA
Benzene	54		1.0	0.25	ug/L	1		8260B	Total/NA
Carbon tetrachloride	3.5		1.0	0.50	ug/L	1		8260B	Total/NA
Chlorobenzene	9.9		1.0	0.25	ug/L	1		8260B	Total/NA
Chloroform	3.3		1.0	0.14	ug/L	1		8260B	Total/NA
1,1-Dichloroethene	0.97	J	1.0	0.11	ug/L	1		8260B	Total/NA
Ethylbenzene	1.3		1.0	0.11	ug/L	1		8260B	Total/NA
Isobutyl alcohol	32	J	40	11	ug/L	1		8260B	Total/NA
Tetrachloroethene	0.34	J	1.0	0.15	ug/L	1		8260B	Total/NA
Toluene	2.4		1.0	0.33	ug/L	1		8260B	Total/NA
Xylenes, Total	1.6	J	2.0	0.20	ug/L	1		8260B	Total/NA
1,1'-Biphenyl	770		99	5.8	ug/L	10		8270C	Total/NA
Naphthalene	9.5	J	99	6.9	ug/L	10		8270C	Total/NA
Phenol	36	J	99	8.2	ug/L	10		8270C	Total/NA
Arsenic	14		2.5	1.3	ug/L	1		6020	Total/NA
Barium	51		5.0	1.4	ug/L	1		6020	Total/NA
Zinc	57		20	8.4	ug/L	1		6020	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 680-70758-9

No Detections

Client Sample ID: ASH-MW08-072611
Date Collected: 07/26/11 09:25
Date Received: 07/27/11 09:20

Lab Sample ID: 680-70758-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1300	U	1300	250	ug/L			07/30/11 06:36	50
Acetonitrile	2000	U	2000	500	ug/L			07/30/11 06:36	50
Acrolein	1000	U	1000	370	ug/L			07/30/11 06:36	50
Acrylonitrile	1000	U	1000	360	ug/L			07/30/11 06:36	50
Benzene	**4600**		50	13	ug/L			07/30/11 06:36	50
Dichlorobromomethane	50	U	50	13	ug/L			07/30/11 06:36	50
Bromoform	50	U	50	25	ug/L			07/30/11 06:36	50
Bromomethane	50	U	50	40	ug/L			07/30/11 06:36	50
2-Butanone (MEK)	500	U	500	50	ug/L			07/30/11 06:36	50
Carbon disulfide	100	U	100	30	ug/L			07/30/11 06:36	50
Carbon tetrachloride	**2600**		50	25	ug/L			07/30/11 06:36	50
Chlorobenzene	**220**		50	13	ug/L			07/30/11 06:36	50
2-Chloro-1,3-butadiene	50	U	50	15	ug/L			07/30/11 06:36	50
Chloroethane	50	U	50	50	ug/L			07/30/11 06:36	50
Chloroform	**640**		50	7.0	ug/L			07/30/11 06:36	50
Chloromethane	50	U	50	17	ug/L			07/30/11 06:36	50
3-Chloro-1-propene	50	U	50	10	ug/L			07/30/11 06:36	50
Chlorodibromomethane	50	U	50	5.0	ug/L			07/30/11 06:36	50
1,2-Dibromo-3-Chloropropane	50	U	50	22	ug/L			07/30/11 06:36	50
Ethylene Dibromide	50	U	50	13	ug/L			07/30/11 06:36	50
Dibromomethane	50	U	50	10	ug/L			07/30/11 06:36	50
trans-1,4-Dichloro-2-butene	100	U	100	25	ug/L			07/30/11 06:36	50
Dichlorodifluoromethane	50	U	50	13	ug/L			07/30/11 06:36	50
1,1-Dichloroethane	50	U	50	13	ug/L			07/30/11 06:36	50
1,2-Dichloroethane	50	U	50	5.0	ug/L			07/30/11 06:36	50
cis-1,2-Dichloroethene	**18**	**J**	50	7.5	ug/L			07/30/11 06:36	50
trans-1,2-Dichloroethene	50	U	50	10	ug/L			07/30/11 06:36	50
1,1-Dichloroethene	50	U	50	5.5	ug/L			07/30/11 06:36	50
1,2-Dichloropropane	50	U	50	6.5	ug/L			07/30/11 06:36	50
cis-1,3-Dichloropropene	50	U	50	5.5	ug/L			07/30/11 06:36	50
trans-1,3-Dichloropropene	50	U	50	11	ug/L			07/30/11 06:36	50
Ethylbenzene	**55**		50	5.5	ug/L			07/30/11 06:36	50
Ethyl methacrylate	50	U	50	13	ug/L			07/30/11 06:36	50
2-Hexanone	500	U	500	50	ug/L			07/30/11 06:36	50
Iodomethane	250	U	250	50	ug/L			07/30/11 06:36	50
Isobutyl alcohol	2000	U	2000	550	ug/L			07/30/11 06:36	50
Methacrylonitrile	1000	U	1000	170	ug/L			07/30/11 06:36	50
Methylene Chloride	**340**		250	50	ug/L			07/30/11 06:36	50
Methyl methacrylate	50	U	50	24	ug/L			07/30/11 06:36	50
4-Methyl-2-pentanone (MIBK)	500	U	500	50	ug/L			07/30/11 06:36	50
Pentachloroethane	250	U	250	60	ug/L			07/30/11 06:36	50
Propionitrile	1000	U	1000	230	ug/L			07/30/11 06:36	50
Styrene	50	U	50	5.5	ug/L			07/30/11 06:36	50
1,1,1,2-Tetrachloroethane	50	U	50	17	ug/L			07/30/11 06:36	50
1,1,2,2-Tetrachloroethane	50	U	50	9.0	ug/L			07/30/11 06:36	50
Tetrachloroethene	50	U	50	7.5	ug/L			07/30/11 06:36	50
Toluene	**29**	**J**	50	17	ug/L			07/30/11 06:36	50
1,1,1-Trichloroethane	50	U	50	25	ug/L			07/30/11 06:36	50
1,1,2-Trichloroethane	50	U	50	6.5	ug/L			07/30/11 06:36	50
Trichloroethene	50	U	50	6.5	ug/L			07/30/11 06:36	50

Client Sample ID: ASH-MW08-072611
Date Collected: 07/26/11 09:25
Date Received: 07/27/11 09:20

Lab Sample ID: 680-70758-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	50	U	50	13	ug/L			07/30/11 06:36	50
1,2,3-Trichloropropane	50	U	50	21	ug/L			07/30/11 06:36	50
Vinyl acetate	100	U	100	14	ug/L			07/30/11 06:36	50
Vinyl chloride	50	U	50	9.0	ug/L			07/30/11 06:36	50
Xylenes, Total	95	J	100	10	ug/L			07/30/11 06:36	50

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*07/30/11 06:36*	*50*
Dibromofluoromethane	*108*		*70 - 130*		*07/30/11 06:36*	*50*
Toluene-d8 (Surr)	*97*		*70 - 130*		*07/30/11 06:36*	*50*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1000	U	1000	78	ug/L		07/28/11 14:42	08/04/11 13:18	100
Acenaphthylene	1000	U	1000	88	ug/L		07/28/11 14:42	08/04/11 13:18	100
Acetophenone	1000	U	1000	59	ug/L		07/28/11 14:42	08/04/11 13:18	100
2-Acetylaminofluorene	1000	U	1000	160	ug/L		07/28/11 14:42	08/04/11 13:18	100
alpha,alpha-Dimethyl phenethylamine	210000	U	210000	3600	ug/L		07/28/11 14:42	08/04/11 13:18	100
4-Aminobiphenyl	1000	U	1000	120	ug/L		07/28/11 14:42	08/04/11 13:18	100
Aniline	2100	U	2100	220	ug/L		07/28/11 14:42	08/04/11 13:18	100
Anthracene	1000	U	1000	71	ug/L		07/28/11 14:42	08/04/11 13:18	100
Aramite, Total	1000	U	1000	94	ug/L		07/28/11 14:42	08/04/11 13:18	100
Benzo[a]anthracene	1000	U	1000	57	ug/L		07/28/11 14:42	08/04/11 13:18	100
Benzo[a]pyrene	1000	U	1000	73	ug/L		07/28/11 14:42	08/04/11 13:18	100
Benzo[b]fluoranthene	1000	U	1000	270	ug/L		07/28/11 14:42	08/04/11 13:18	100
Benzo[g,h,i]perylene	1000	U	1000	90	ug/L		07/28/11 14:42	08/04/11 13:18	100
Benzo[k]fluoranthene	1000	U	1000	120	ug/L		07/28/11 14:42	08/04/11 13:18	100
Benzyl alcohol	1000	U	1000	110	ug/L		07/28/11 14:42	08/04/11 13:18	100
1,1'-Biphenyl	1000	U	1000	60	ug/L		07/28/11 14:42	08/04/11 13:18	100
Bis(2-chloroethoxy)methane	1000	U	1000	97	ug/L		07/28/11 14:42	08/04/11 13:18	100
Bis(2-chloroethyl)ether	1000	U	1000	110	ug/L		07/28/11 14:42	08/04/11 13:18	100
bis(chloroisopropyl) ether	1000	U	1000	80	ug/L		07/28/11 14:42	08/04/11 13:18	100
Bis(2-ethylhexyl) phthalate	1000	U	1000	160	ug/L		07/28/11 14:42	08/04/11 13:18	100
4-Bromophenyl phenyl ether	1000	U	1000	79	ug/L		07/28/11 14:42	08/04/11 13:18	100
Butyl benzyl phthalate	1000	U	1000	120	ug/L		07/28/11 14:42	08/04/11 13:18	100
4-Chloroaniline	2100	U	2100	230	ug/L		07/28/11 14:42	08/04/11 13:18	100
4-Chloro-3-methylphenol	1000	U	1000	100	ug/L		07/28/11 14:42	08/04/11 13:18	100
2-Chloronaphthalene	1000	U	1000	82	ug/L		07/28/11 14:42	08/04/11 13:18	100
2-Chlorophenol	1000	U	1000	90	ug/L		07/28/11 14:42	08/04/11 13:18	100
4-Chlorophenyl phenyl ether	1000	U	1000	87	ug/L		07/28/11 14:42	08/04/11 13:18	100
Chrysene	1000	U	1000	53	ug/L		07/28/11 14:42	08/04/11 13:18	100
Diallate	1000	U	1000	80	ug/L		07/28/11 14:42	08/04/11 13:18	100
Dibenz(a,h)anthracene	1000	U	1000	100	ug/L		07/28/11 14:42	08/04/11 13:18	100
Dibenzofuran	1000	U	1000	81	ug/L		07/28/11 14:42	08/04/11 13:18	100
1,2-Dichlorobenzene	1000	U	1000	55	ug/L		07/28/11 14:42	08/04/11 13:18	100
1,3-Dichlorobenzene	1000	U	1000	61	ug/L		07/28/11 14:42	08/04/11 13:18	100
1,4-Dichlorobenzene	1000	U	1000	56	ug/L		07/28/11 14:42	08/04/11 13:18	100
3,3'-Dichlorobenzidine	6200	U	6200	3100	ug/L		07/28/11 14:42	08/04/11 13:18	100
2,4-Dichlorophenol	1000	U	1000	110	ug/L		07/28/11 14:42	08/04/11 13:18	100
2,6-Dichlorophenol	1000	U	1000	75	ug/L		07/28/11 14:42	08/04/11 13:18	100
Diethyl phthalate	1000	U	1000	91	ug/L		07/28/11 14:42	08/04/11 13:18	100

Client Sample ID: ASH-MW08-072611
Date Collected: 07/26/11 09:25
Date Received: 07/27/11 09:20

Lab Sample ID: 680-70758-1
Matrix: Water

8

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	1000	U *	1000	77	ug/L		07/28/11 14:42	08/04/11 13:18	100
7,12-Dimethylbenz(a)anthracene	1000	U	1000	120	ug/L		07/28/11 14:42	08/04/11 13:18	100
3,3'-Dimethylbenzidine	2100	U	2100	1000	ug/L		07/28/11 14:42	08/04/11 13:18	100
2,4-Dimethylphenol	1000	U	1000	410	ug/L		07/28/11 14:42	08/04/11 13:18	100
Dimethyl phthalate	1000	U	1000	100	ug/L		07/28/11 14:42	08/04/11 13:18	100
Di-n-butyl phthalate	1000	U	1000	86	ug/L		07/28/11 14:42	08/04/11 13:18	100
1,3-Dinitrobenzene	1000	U	1000	62	ug/L		07/28/11 14:42	08/04/11 13:18	100
4,6-Dinitro-2-methylphenol	5200	U	5200	1000	ug/L		07/28/11 14:42	08/04/11 13:18	100
2,4-Dinitrophenol	5200	U	5200	1000	ug/L		07/28/11 14:42	08/04/11 13:18	100
2,4-Dinitrotoluene	1000	U	1000	120	ug/L		07/28/11 14:42	08/04/11 13:18	100
2,6-Dinitrotoluene	1000	U	1000	110	ug/L		07/28/11 14:42	08/04/11 13:18	100
Di-n-octyl phthalate	1000	U	1000	140	ug/L		07/28/11 14:42	08/04/11 13:18	100
Dinoseb	1000	U	1000	520	ug/L		07/28/11 14:42	08/04/11 13:18	100
1,4-Dioxane	13000		1000	350	ug/L		07/28/11 14:42	08/04/11 13:18	100
Disulfoton	1000	U *	1000	81	ug/L		07/28/11 14:42	08/04/11 13:18	100
Ethyl methanesulfonate	1000	U	1000	99	ug/L		07/28/11 14:42	08/04/11 13:18	100
Ethyl Parathion	1000	U	1000	130	ug/L		07/28/11 14:42	08/04/11 13:18	100
Famphur	1000	U *	1000	110	ug/L		07/28/11 14:42	08/04/11 13:18	100
Fluoranthene	1000	U	1000	76	ug/L		07/28/11 14:42	08/04/11 13:18	100
Fluorene	1000	U	1000	99	ug/L		07/28/11 14:42	08/04/11 13:18	100
Hexachlorobenzene	1000	U	1000	81	ug/L		07/28/11 14:42	08/04/11 13:18	100
Hexachlorobutadiene	1000	U	1000	64	ug/L		07/28/11 14:42	08/04/11 13:18	100
Hexachlorocyclopentadiene	1000	U	1000	260	ug/L		07/28/11 14:42	08/04/11 13:18	100
Hexachloroethane	1000	U	1000	78	ug/L		07/28/11 14:42	08/04/11 13:18	100
Hexachlorophene	520000	U	520000	2800	ug/L		07/28/11 14:42	08/04/11 13:18	100
Hexachloropropene	1000	U	1000	140	ug/L		07/28/11 14:42	08/04/11 13:18	100
Indeno[1,2,3-cd]pyrene	1000	U	1000	100	ug/L		07/28/11 14:42	08/04/11 13:18	100
Isophorone	1000	U	1000	93	ug/L		07/28/11 14:42	08/04/11 13:18	100
Isosafrole	1000	U	1000	52	ug/L		07/28/11 14:42	08/04/11 13:18	100
Methapyrilene	210000	U	210000	280	ug/L		07/28/11 14:42	08/04/11 13:18	100
3-Methylcholanthrene	1000	U	1000	140	ug/L		07/28/11 14:42	08/04/11 13:18	100
Methyl methanesulfonate	1000	U	1000	62	ug/L		07/28/11 14:42	08/04/11 13:18	100
2-Methylnaphthalene	1000	U	1000	80	ug/L		07/28/11 14:42	08/04/11 13:18	100
Methyl parathion	1000	U *	1000	91	ug/L		07/28/11 14:42	08/04/11 13:18	100
2-Methylphenol	1000	U	1000	92	ug/L		07/28/11 14:42	08/04/11 13:18	100
3 & 4 Methylphenol	1000	U	1000	130	ug/L		07/28/11 14:42	08/04/11 13:18	100
Naphthalene	1000	U	1000	72	ug/L		07/28/11 14:42	08/04/11 13:18	100
1,4-Naphthoquinone	1000	U	1000	64	ug/L		07/28/11 14:42	08/04/11 13:18	100
1-Naphthylamine	1000	U	1000	110	ug/L		07/28/11 14:42	08/04/11 13:18	100
2-Naphthylamine	1000	U	1000	150	ug/L		07/28/11 14:42	08/04/11 13:18	100
2-Nitroaniline	5200	U	5200	130	ug/L		07/28/11 14:42	08/04/11 13:18	100
3-Nitroaniline	5200	U	5200	520	ug/L		07/28/11 14:42	08/04/11 13:18	100
4-Nitroaniline	5200	U	5200	520	ug/L		07/28/11 14:42	08/04/11 13:18	100
Nitrobenzene	1000	U	1000	75	ug/L		07/28/11 14:42	08/04/11 13:18	100
2-Nitrophenol	1000	U	1000	78	ug/L		07/28/11 14:42	08/04/11 13:18	100
4-Nitrophenol	5200	U	5200	200	ug/L		07/28/11 14:42	08/04/11 13:18	100
4-Nitroquinoline-1-oxide	2100	U	2100	1000	ug/L		07/28/11 14:42	08/04/11 13:18	100
N-Nitro-o-toluidine	1000	U	1000	150	ug/L		07/28/11 14:42	08/04/11 13:18	100
N-Nitrosodiethylamine	1000	U	1000	96	ug/L		07/28/11 14:42	08/04/11 13:18	100
N-Nitrosodimethylamine	1000	U	1000	290	ug/L		07/28/11 14:42	08/04/11 13:18	100

Client Sample ID: ASH-MW08-072611
Date Collected: 07/26/11 09:25
Date Received: 07/27/11 09:20

Lab Sample ID: 680-70758-1
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-butylamine	1000	U	1000	99	ug/L		07/28/11 14:42	08/04/11 13:18	100
N-Nitrosodi-n-propylamine	1000	U	1000	74	ug/L		07/28/11 14:42	08/04/11 13:18	100
N-Nitrosodiphenylamine	1000	U	1000	95	ug/L		07/28/11 14:42	08/04/11 13:18	100
N-Nitrosomethylethylamine	1000	U	1000	340	ug/L		07/28/11 14:42	08/04/11 13:18	100
N-Nitrosomorpholine	1000	U	1000	87	ug/L		07/28/11 14:42	08/04/11 13:18	100
N-Nitrosopiperidine	1000	U	1000	91	ug/L		07/28/11 14:42	08/04/11 13:18	100
N-Nitrosopyrrolidine	1000	U	1000	100	ug/L		07/28/11 14:42	08/04/11 13:18	100
o,o',o''-Triethylphosphorothioate	3400		1000	100	ug/L		07/28/11 14:42	08/04/11 13:18	100
p-Dimethylamino azobenzene	1000	U	1000	81	ug/L		07/28/11 14:42	08/04/11 13:18	100
Pentachlorobenzene	1000	U	1000	54	ug/L		07/28/11 14:42	08/04/11 13:18	100
Pentachloronitrobenzene	1000	U	1000	80	ug/L		07/28/11 14:42	08/04/11 13:18	100
Pentachlorophenol	5200	U	5200	210	ug/L		07/28/11 14:42	08/04/11 13:18	100
Phenacetin	1000	U	1000	140	ug/L		07/28/11 14:42	08/04/11 13:18	100
Phenanthrene	1000	U	1000	79	ug/L		07/28/11 14:42	08/04/11 13:18	100
Phenol	1000	U	1000	86	ug/L		07/28/11 14:42	08/04/11 13:18	100
Phorate	1000	U	1000	90	ug/L		07/28/11 14:42	08/04/11 13:18	100
2-Picoline	1000	U	1000	140	ug/L		07/28/11 14:42	08/04/11 13:18	100
p-Phenylene diamine	210000	U	210000	1000	ug/L		07/28/11 14:42	08/04/11 13:18	100
Pronamide	1000	U	1000	92	ug/L		07/28/11 14:42	08/04/11 13:18	100
Pyrene	1000	U	1000	65	ug/L		07/28/11 14:42	08/04/11 13:18	100
Pyridine	5200	U	5200	240	ug/L		07/28/11 14:42	08/04/11 13:18	100
Safrole, Total	1000	U	1000	82	ug/L		07/28/11 14:42	08/04/11 13:18	100
Sulfotepp	1000	U	1000	55	ug/L		07/28/11 14:42	08/04/11 13:18	100
1,2,4,5-Tetrachlorobenzene	1000	U	1000	78	ug/L		07/28/11 14:42	08/04/11 13:18	100
2,3,4,6-Tetrachlorophenol	1000	U	1000	74	ug/L		07/28/11 14:42	08/04/11 13:18	100
Thionazin	1000	U	1000	94	ug/L		07/28/11 14:42	08/04/11 13:18	100
2-Toluidine	1000	U	1000	140	ug/L		07/28/11 14:42	08/04/11 13:18	100
1,2,4-Trichlorobenzene	1000	U	1000	58	ug/L		07/28/11 14:42	08/04/11 13:18	100
2,4,5-Trichlorophenol	1000	U	1000	120	ug/L		07/28/11 14:42	08/04/11 13:18	100
2,4,6-Trichlorophenol	1000	U	1000	88	ug/L		07/28/11 14:42	08/04/11 13:18	100
1,3,5-Trinitrobenzene	1000	U	1000	210	ug/L		07/28/11 14:42	08/04/11 13:18	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*D*	*38 - 130*	*07/28/11 14:42*	*08/04/11 13:18*	*100*
2-Fluorophenol	*0*	*D*	*25 - 130*	*07/28/11 14:42*	*08/04/11 13:18*	*100*
Nitrobenzene-d5	*0*	*D*	*39 - 130*	*07/28/11 14:42*	*08/04/11 13:18*	*100*
Phenol-d5	*0*	*D*	*25 - 130*	*07/28/11 14:42*	*08/04/11 13:18*	*100*
Terphenyl-d14	*0*	*D*	*10 - 143*	*07/28/11 14:42*	*08/04/11 13:18*	*100*
2,4,6-Tribromophenol	*0*	*D*	*31 - 141*	*07/28/11 14:42*	*08/04/11 13:18*	*100*

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.051	U	0.051	0.0071	ug/L		07/28/11 14:42	08/01/11 20:20	1
alpha-BHC	0.61		0.051	0.0058	ug/L		07/28/11 14:42	08/01/11 20:20	1
beta-BHC	0.051	U *	0.051	0.0068	ug/L		07/28/11 14:42	08/01/11 20:20	1
Chlordane (technical)	0.51	U	0.51	0.10	ug/L		07/28/11 14:42	08/01/11 20:20	1
Chlorobenzilate	0.51	U	0.51	0.51	ug/L		07/28/11 14:42	08/01/11 20:20	1
4,4'-DDD	0.10	U	0.10	0.0066	ug/L		07/28/11 14:42	08/01/11 20:20	1
4,4'-DDE	0.10	U	0.10	0.0078	ug/L		07/28/11 14:42	08/01/11 20:20	1
4,4'-DDT	0.10	U	0.10	0.0098	ug/L		07/28/11 14:42	08/01/11 20:20	1
delta-BHC	0.051	U	0.051	0.0049	ug/L		07/28/11 14:42	08/01/11 20:20	1

Client Sample ID: ASH-MW08-072611
Date Collected: 07/26/11 09:25
Date Received: 07/27/11 09:20

Lab Sample ID: 680-70758-1
Matrix: Water

8

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	0.10	U	0.10	0.0092	ug/L		07/28/11 14:42	08/01/11 20:20	1
Endosulfan I	0.051	U	0.051	0.0043	ug/L		07/28/11 14:42	08/01/11 20:20	1
Endosulfan II	0.10	U	0.10	0.0099	ug/L		07/28/11 14:42	08/01/11 20:20	1
Endosulfan sulfate	0.10	U	0.10	0.0069	ug/L		07/28/11 14:42	08/01/11 20:20	1
Endrin	0.10	U *	0.10	0.0098	ug/L		07/28/11 14:42	08/01/11 20:20	1
Endrin aldehyde	0.10	U	0.10	0.016	ug/L		07/28/11 14:42	08/01/11 20:20	1
Endrin ketone	0.10	U	0.10	0.0085	ug/L		07/28/11 14:42	08/01/11 20:20	1
gamma-BHC (Lindane)	0.30		0.051	0.0060	ug/L		07/28/11 14:42	08/01/11 20:20	1
Heptachlor	0.051	U	0.051	0.0071	ug/L		07/28/11 14:42	08/01/11 20:20	1
Heptachlor epoxide	0.051	U	0.051	0.0061	ug/L		07/28/11 14:42	08/01/11 20:20	1
Isodrin	0.051	U	0.051	0.051	ug/L		07/28/11 14:42	08/01/11 20:20	1
Kepone	1.0	U	1.0	1.0	ug/L		07/28/11 14:42	08/01/11 20:20	1
Methoxychlor	0.10	U	0.10	0.013	ug/L		07/28/11 14:42	08/01/11 20:20	1
Toxaphene	5.1	U	5.1	0.51	ug/L		07/28/11 14:42	08/01/11 20:20	1
PCB-1016	1.0	U	1.0	0.072	ug/L		07/28/11 14:42	08/01/11 20:20	1
PCB-1221	2.0	U	2.0	0.28	ug/L		07/28/11 14:42	08/01/11 20:20	1
PCB-1232	1.0	U	1.0	0.11	ug/L		07/28/11 14:42	08/01/11 20:20	1
PCB-1242	1.0	U	1.0	0.18	ug/L		07/28/11 14:42	08/01/11 20:20	1
PCB-1248	1.0	U	1.0	0.36	ug/L		07/28/11 14:42	08/01/11 20:20	1
PCB-1254	1.0	U	1.0	0.26	ug/L		07/28/11 14:42	08/01/11 20:20	1
PCB-1260	1.0	U	1.0	0.20	ug/L		07/28/11 14:42	08/01/11 20:20	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*41*		*36 - 130*	*07/28/11 14:42*	*08/01/11 20:20*	*1*
Tetrachloro-m-xylene	*55*		*36 - 130*	*07/28/11 14:42*	*08/01/11 20:20*	*1*
DCB Decachlorobiphenyl	*11*	*X*	*40 - 130*	*07/28/11 14:42*	*08/01/11 20:20*	*1*
DCB Decachlorobiphenyl	*5*	*pX*	*40 - 130*	*07/28/11 14:42*	*08/01/11 20:20*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.51	U	0.51	0.038	ug/L		07/28/11 08:04	07/29/11 18:37	1
Silvex (2,4,5-TP)	0.51	U	0.51	0.063	ug/L		07/28/11 08:04	07/29/11 18:37	1
2,4,5-T	0.51	U	0.51	0.063	ug/L		07/28/11 08:04	07/29/11 18:37	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*395*	*X*	*52 - 151*	*07/28/11 08:04*	*07/29/11 18:37*	*1*
DCAA	*106*	*p*	*52 - 151*	*07/28/11 08:04*	*07/29/11 18:37*	*1*

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290)

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		11	0.30	1		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
1,2,3,7,8-PeCDD	ND		53	0.62	1		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
1,2,3,4,7,8-HxCDD	ND		53	0.23	0.1		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
1,2,3,6,7,8-HxCDD	ND		53	0.20	0.1		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
1,2,3,7,8,9-HxCDD	ND		53	0.20	0.1		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
1,2,3,4,6,7,8-HpCDD	ND		53	1.4	0.01		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
OCDD	ND		110	32	0.0003		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
2,3,7,8-TCDF	ND		14	14	0.1		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
1,2,3,7,8-PeCDF	ND		53	0.93	0.03		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
2,3,4,7,8-PeCDF	ND		53	1.0	0.3		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
1,2,3,4,7,8-HxCDF	ND		53	0.18	0.1		pg/L		07/28/11 09:00	07/30/11 10:39	1.05

Client Sample ID: ASH-MW08-072611
Date Collected: 07/26/11 09:25
Date Received: 07/27/11 09:20

Lab Sample ID: 680-70758-1
Matrix: Water

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290) (Continued)

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,6,7,8-HxCDF	ND		53	0.17	0.1		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
2,3,4,6,7,8-HxCDF	ND		53	0.18	0.1		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
1,2,3,7,8,9-HxCDF	ND		53	0.20	0.1		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
1,2,3,4,6,7,8-HpCDF	ND		53	0.74	0.01		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
1,2,3,4,7,8,9-HpCDF	ND		53	0.57	0.01		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
OCDF	ND		110	0.30	0.0003		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
2,3,7,8-TCDD	ND		11	0.30	1		pg/L		07/28/11 09:00	07/30/11 10:39	1.05
Total HxCDD	ND		53	0.37			pg/L		07/28/11 09:00	07/30/11 10:39	1.05
Total HxCDF	ND		53	0.28			pg/L		07/28/11 09:00	07/30/11 10:39	1.05
Total PeCDD	ND		53	1.0			pg/L		07/28/11 09:00	07/30/11 10:39	1.05
Total PeCDF	ND		53	6.0			pg/L		07/28/11 09:00	07/30/11 10:39	1.05
Total TCDD	ND		11	0.31			pg/L		07/28/11 09:00	07/30/11 10:39	1.05
Total TCDF	60		14	14			pg/L		07/28/11 09:00	07/30/11 10:39	1.05
Total TEQ (WHO 2005)						0.00					

Internal Standard	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	76		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-2,3,7,8-TCDD	76		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-1,2,3,7,8-PeCDD	74		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-1,2,3,7,8-PeCDD	74		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-1,2,3,6,7,8-HxCDD	80		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-1,2,3,6,7,8-HxCDD	80		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-1,2,3,4,6,7,8-HpCDD	69		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-OCDD	77		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-2,3,7,8-TCDF	82		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-2,3,7,8-TCDF	82		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-1,2,3,7,8-PeCDF	78		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-1,2,3,7,8-PeCDF	78		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-1,2,3,4,7,8-HxCDF	77		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-1,2,3,4,7,8-HxCDF	77		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05
13C-1,2,3,4,6,7,8-HpCDF	73		40 - 135	07/28/11 09:00	07/30/11 10:39	1.05

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.0	U	5.0	2.0	ug/L		08/01/11 08:48	08/06/11 22:18	1
Arsenic	42		2.5	1.3	ug/L		08/01/11 08:48	08/06/11 22:18	1
Barium	260		5.0	1.4	ug/L		08/01/11 08:48	08/06/11 22:18	1
Beryllium	0.50	U	0.50	0.15	ug/L		08/01/11 08:48	08/06/11 22:18	1
Cadmium	0.50	U	0.50	0.13	ug/L		08/01/11 08:48	08/06/11 22:18	1
Chromium	5.0	U	5.0	2.5	ug/L		08/01/11 08:48	08/06/11 22:18	1
Cobalt	0.37	J	0.50	0.12	ug/L		08/01/11 08:48	08/06/11 22:18	1
Copper	1.5	J	5.0	1.1	ug/L		08/01/11 08:48	08/06/11 22:18	1
Lead	1.5	U	1.5	0.50	ug/L		08/01/11 08:48	08/06/11 22:18	1
Nickel	5.0	U	5.0	2.0	ug/L		08/01/11 08:48	08/06/11 22:18	1
Selenium	2.5	U	2.5	1.1	ug/L		08/01/11 08:48	08/06/11 22:18	1
Silver	1.0	U	1.0	0.18	ug/L		08/01/11 08:48	08/06/11 22:18	1
Thallium	1.0	U	1.0	0.25	ug/L		08/01/11 08:48	08/06/11 22:18	1
Tin	5.0	U	5.0	1.4	ug/L		08/01/11 08:48	08/06/11 22:18	1
Vanadium	10	U	10	3.2	ug/L		08/01/11 08:48	08/06/11 22:18	1
Zinc	20	U	20	8.4	ug/L		08/01/11 08:48	08/06/11 22:18	1

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-1

Client Sample ID: ASH-MW08-072611
Date Collected: 07/26/11 09:25
Date Received: 07/27/11 09:20

Lab Sample ID: 680-70758-1
Matrix: Water

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		08/02/11 09:42	08/02/11 16:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		08/01/11 07:51	08/02/11 06:47	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	5.0		1.0	1.0	mg/L			07/27/11 14:10	1

8

Client Sample ID: ASH-DUP-072611
Date Collected: 07/26/11 00:00
Date Received: 07/27/11 09:20

Lab Sample ID: 680-70758-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1300	U	1300	250	ug/L			07/30/11 21:03	50
Acetonitrile	2000	U	2000	500	ug/L			07/30/11 21:03	50
Acrolein	1000	U	1000	370	ug/L			07/30/11 21:03	50
Acrylonitrile	1000	U	1000	360	ug/L			07/30/11 21:03	50
Benzene	5100		50	13	ug/L			07/30/11 21:03	50
Dichlorobromomethane	50	U	50	13	ug/L			07/30/11 21:03	50
Bromoform	50	U *	50	25	ug/L			07/30/11 21:03	50
Bromomethane	50	U	50	40	ug/L			07/30/11 21:03	50
2-Butanone (MEK)	500	U	500	50	ug/L			07/30/11 21:03	50
Carbon disulfide	100	U	100	30	ug/L			07/30/11 21:03	50
Carbon tetrachloride	2700	*	50	25	ug/L			07/30/11 21:03	50
Chlorobenzene	240		50	13	ug/L			07/30/11 21:03	50
2-Chloro-1,3-butadiene	50	U	50	15	ug/L			07/30/11 21:03	50
Chloroethane	50	U	50	50	ug/L			07/30/11 21:03	50
Chloroform	640		50	7.0	ug/L			07/30/11 21:03	50
Chloromethane	50	U	50	17	ug/L			07/30/11 21:03	50
3-Chloro-1-propene	50	U	50	10	ug/L			07/30/11 21:03	50
Chlorodibromomethane	50	U *	50	5.0	ug/L			07/30/11 21:03	50
1,2-Dibromo-3-Chloropropane	50	U	50	22	ug/L			07/30/11 21:03	50
Ethylene Dibromide	50	U	50	13	ug/L			07/30/11 21:03	50
Dibromomethane	50	U	50	10	ug/L			07/30/11 21:03	50
trans-1,4-Dichloro-2-butene	100	U	100	25	ug/L			07/30/11 21:03	50
Dichlorodifluoromethane	50	U	50	13	ug/L			07/30/11 21:03	50
1,1-Dichloroethane	50	U	50	13	ug/L			07/30/11 21:03	50
1,2-Dichloroethane	50	U	50	5.0	ug/L			07/30/11 21:03	50
cis-1,2-Dichloroethene	10	J	50	7.5	ug/L			07/30/11 21:03	50
trans-1,2-Dichloroethene	50	U	50	10	ug/L			07/30/11 21:03	50
1,1-Dichloroethene	50	U	50	5.5	ug/L			07/30/11 21:03	50
1,2-Dichloropropane	50	U	50	6.5	ug/L			07/30/11 21:03	50
cis-1,3-Dichloropropene	50	U	50	5.5	ug/L			07/30/11 21:03	50
trans-1,3-Dichloropropene	50	U	50	11	ug/L			07/30/11 21:03	50
Ethylbenzene	61		50	5.5	ug/L			07/30/11 21:03	50
Ethyl methacrylate	50	U	50	13	ug/L			07/30/11 21:03	50
2-Hexanone	500	U	500	50	ug/L			07/30/11 21:03	50
Iodomethane	250	U	250	50	ug/L			07/30/11 21:03	50
Isobutyl alcohol	2000	U	2000	550	ug/L			07/30/11 21:03	50
Methacrylonitrile	1000	U	1000	170	ug/L			07/30/11 21:03	50
Methylene Chloride	350		250	50	ug/L			07/30/11 21:03	50
Methyl methacrylate	50	U	50	24	ug/L			07/30/11 21:03	50
4-Methyl-2-pentanone (MIBK)	500	U	500	50	ug/L			07/30/11 21:03	50
Pentachloroethane	250	U	250	60	ug/L			07/30/11 21:03	50
Propionitrile	1000	U	1000	230	ug/L			07/30/11 21:03	50
Styrene	50	U	50	5.5	ug/L			07/30/11 21:03	50
1,1,1,2-Tetrachloroethane	50	U	50	17	ug/L			07/30/11 21:03	50
1,1,2,2-Tetrachloroethane	50	U	50	9.0	ug/L			07/30/11 21:03	50
Tetrachloroethene	50	U	50	7.5	ug/L			07/30/11 21:03	50
Toluene	36	J	50	17	ug/L			07/30/11 21:03	50
1,1,1-Trichloroethane	50	U	50	25	ug/L			07/30/11 21:03	50
1,1,2-Trichloroethane	50	U	50	6.5	ug/L			07/30/11 21:03	50
Trichloroethene	50	U	50	6.5	ug/L			07/30/11 21:03	50

Client Sample ID: ASH-DUP-072611
Date Collected: 07/26/11 00:00
Date Received: 07/27/11 09:20

Lab Sample ID: 680-70758-2
Matrix: Water

8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	50	U	50	13	ug/L			07/30/11 21:03	50
1,2,3-Trichloropropane	50	U	50	21	ug/L			07/30/11 21:03	50
Vinyl acetate	100	U	100	14	ug/L			07/30/11 21:03	50
Vinyl chloride	50	U	50	9.0	ug/L			07/30/11 21:03	50
Xylenes, Total	90	J	100	10	ug/L			07/30/11 21:03	50

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*70 - 130*		*07/30/11 21:03*	*50*
Dibromofluoromethane	*103*		*70 - 130*		*07/30/11 21:03*	*50*
Toluene-d8 (Surr)	*104*		*70 - 130*		*07/30/11 21:03*	*50*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	510	U	510	38	ug/L		07/28/11 14:42	08/03/11 13:21	50
Acenaphthylene	510	U	510	43	ug/L		07/28/11 14:42	08/03/11 13:21	50
Acetophenone	510	U	510	29	ug/L		07/28/11 14:42	08/03/11 13:21	50
2-Acetylaminofluorene	510	U	510	81	ug/L		07/28/11 14:42	08/03/11 13:21	50
alpha,alpha-Dimethyl phenethylamine	100000	U	100000	1800	ug/L		07/28/11 14:42	08/03/11 13:21	50
4-Aminobiphenyl	510	U	510	61	ug/L		07/28/11 14:42	08/03/11 13:21	50
Aniline	1000	U	1000	110	ug/L		07/28/11 14:42	08/03/11 13:21	50
Anthracene	510	U	510	35	ug/L		07/28/11 14:42	08/03/11 13:21	50
Aramite, Total	510	U	510	46	ug/L		07/28/11 14:42	08/03/11 13:21	50
Benzo[a]anthracene	510	U	510	28	ug/L		07/28/11 14:42	08/03/11 13:21	50
Benzo[a]pyrene	510	U	510	36	ug/L		07/28/11 14:42	08/03/11 13:21	50
Benzo[b]fluoranthene	510	U	510	130	ug/L		07/28/11 14:42	08/03/11 13:21	50
Benzo[g,h,i]perylene	510	U	510	44	ug/L		07/28/11 14:42	08/03/11 13:21	50
Benzo[k]fluoranthene	510	U	510	61	ug/L		07/28/11 14:42	08/03/11 13:21	50
Benzyl alcohol	510	U	510	56	ug/L		07/28/11 14:42	08/03/11 13:21	50
1,1'-Biphenyl	510	U	510	29	ug/L		07/28/11 14:42	08/03/11 13:21	50
Bis(2-chloroethoxy)methane	510	U	510	47	ug/L		07/28/11 14:42	08/03/11 13:21	50
Bis(2-chloroethyl)ether	510	U	510	56	ug/L		07/28/11 14:42	08/03/11 13:21	50
bis(chloroisopropyl) ether	510	U	510	39	ug/L		07/28/11 14:42	08/03/11 13:21	50
Bis(2-ethylhexyl) phthalate	510	U	510	81	ug/L		07/28/11 14:42	08/03/11 13:21	50
4-Bromophenyl phenyl ether	510	U	510	39	ug/L		07/28/11 14:42	08/03/11 13:21	50
Butyl benzyl phthalate	510	U	510	61	ug/L		07/28/11 14:42	08/03/11 13:21	50
4-Chloroaniline	1000	U	1000	110	ug/L		07/28/11 14:42	08/03/11 13:21	50
4-Chloro-3-methylphenol	510	U	510	51	ug/L		07/28/11 14:42	08/03/11 13:21	50
2-Chloronaphthalene	510	U	510	40	ug/L		07/28/11 14:42	08/03/11 13:21	50
2-Chlorophenol	510	U	510	44	ug/L		07/28/11 14:42	08/03/11 13:21	50
4-Chlorophenyl phenyl ether	510	U	510	42	ug/L		07/28/11 14:42	08/03/11 13:21	50
Chrysene	510	U	510	26	ug/L		07/28/11 14:42	08/03/11 13:21	50
Diallate	510	U	510	39	ug/L		07/28/11 14:42	08/03/11 13:21	50
Dibenz(a,h)anthracene	510	U	510	51	ug/L		07/28/11 14:42	08/03/11 13:21	50
Dibenzofuran	510	U	510	40	ug/L		07/28/11 14:42	08/03/11 13:21	50
1,2-Dichlorobenzene	510	U	510	27	ug/L		07/28/11 14:42	08/03/11 13:21	50
1,3-Dichlorobenzene	510	U	510	30	ug/L		07/28/11 14:42	08/03/11 13:21	50
1,4-Dichlorobenzene	510	U	510	27	ug/L		07/28/11 14:42	08/03/11 13:21	50
3,3'-Dichlorobenzidine	3000	U	3000	1500	ug/L		07/28/11 14:42	08/03/11 13:21	50
2,4-Dichlorophenol	510	U	510	56	ug/L		07/28/11 14:42	08/03/11 13:21	50
2,6-Dichlorophenol	510	U	510	37	ug/L		07/28/11 14:42	08/03/11 13:21	50
Diethyl phthalate	510	U	510	44	ug/L		07/28/11 14:42	08/03/11 13:21	50

Client Sample ID: ASH-DUP-072611
Date Collected: 07/26/11 00:00
Date Received: 07/27/11 09:20

Lab Sample ID: 680-70758-2
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	510	U *	510	38	ug/L		07/28/11 14:42	08/03/11 13:21	50
7,12-Dimethylbenz(a)anthracene	510	U	510	61	ug/L		07/28/11 14:42	08/03/11 13:21	50
3,3'-Dimethylbenzidine	1000	U	1000	510	ug/L		07/28/11 14:42	08/03/11 13:21	50
2,4-Dimethylphenol	510	U	510	200	ug/L		07/28/11 14:42	08/03/11 13:21	50
Dimethyl phthalate	510	U	510	50	ug/L		07/28/11 14:42	08/03/11 13:21	50
Di-n-butyl phthalate	510	U	510	42	ug/L		07/28/11 14:42	08/03/11 13:21	50
1,3-Dinitrobenzene	510	U	510	30	ug/L		07/28/11 14:42	08/03/11 13:21	50
4,6-Dinitro-2-methylphenol	2500	U	2500	510	ug/L		07/28/11 14:42	08/03/11 13:21	50
2,4-Dinitrophenol	2500	U	2500	510	ug/L		07/28/11 14:42	08/03/11 13:21	50
2,4-Dinitrotoluene	510	U	510	61	ug/L		07/28/11 14:42	08/03/11 13:21	50
2,6-Dinitrotoluene	510	U	510	56	ug/L		07/28/11 14:42	08/03/11 13:21	50
Di-n-octyl phthalate	510	U	510	71	ug/L		07/28/11 14:42	08/03/11 13:21	50
Dinoseb	510	U	510	250	ug/L		07/28/11 14:42	08/03/11 13:21	50
1,4-Dioxane	9400		510	170	ug/L		07/28/11 14:42	08/03/11 13:21	50
Disulfoton	510	U *	510	40	ug/L		07/28/11 14:42	08/03/11 13:21	50
Ethyl methanesulfonate	510	U	510	49	ug/L		07/28/11 14:42	08/03/11 13:21	50
Ethyl Parathion	510	U	510	66	ug/L		07/28/11 14:42	08/03/11 13:21	50
Famphur	510	U *	510	56	ug/L		07/28/11 14:42	08/03/11 13:21	50
Fluoranthene	510	U	510	37	ug/L		07/28/11 14:42	08/03/11 13:21	50
Fluorene	510	U	510	49	ug/L		07/28/11 14:42	08/03/11 13:21	50
Hexachlorobenzene	510	U	510	40	ug/L		07/28/11 14:42	08/03/11 13:21	50
Hexachlorobutadiene	510	U	510	31	ug/L		07/28/11 14:42	08/03/11 13:21	50
Hexachlorocyclopentadiene	510	U	510	130	ug/L		07/28/11 14:42	08/03/11 13:21	50
Hexachloroethane	510	U	510	38	ug/L		07/28/11 14:42	08/03/11 13:21	50
Hexachlorophene	250000	U	250000	1400	ug/L		07/28/11 14:42	08/03/11 13:21	50
Hexachloropropene	510	U	510	71	ug/L		07/28/11 14:42	08/03/11 13:21	50
Indeno[1,2,3-cd]pyrene	510	U	510	51	ug/L		07/28/11 14:42	08/03/11 13:21	50
Isophorone	510	U	510	45	ug/L		07/28/11 14:42	08/03/11 13:21	50
Isosafrole	510	U	510	25	ug/L		07/28/11 14:42	08/03/11 13:21	50
Methapyrilene	100000	U	100000	140	ug/L		07/28/11 14:42	08/03/11 13:21	50
3-Methylcholanthrene	510	U	510	71	ug/L		07/28/11 14:42	08/03/11 13:21	50
Methyl methanesulfonate	510	U	510	30	ug/L		07/28/11 14:42	08/03/11 13:21	50
2-Methylnaphthalene	510	U	510	39	ug/L		07/28/11 14:42	08/03/11 13:21	50
Methyl parathion	510	U *	510	44	ug/L		07/28/11 14:42	08/03/11 13:21	50
2-Methylphenol	510	U	510	45	ug/L		07/28/11 14:42	08/03/11 13:21	50
3 & 4 Methylphenol	510	U	510	66	ug/L		07/28/11 14:42	08/03/11 13:21	50
Naphthalene	510	U	510	35	ug/L		07/28/11 14:42	08/03/11 13:21	50
1,4-Naphthoquinone	510	U	510	31	ug/L		07/28/11 14:42	08/03/11 13:21	50
1-Naphthylamine	510	U	510	56	ug/L		07/28/11 14:42	08/03/11 13:21	50
2-Naphthylamine	510	U	510	76	ug/L		07/28/11 14:42	08/03/11 13:21	50
2-Nitroaniline	2500	U	2500	66	ug/L		07/28/11 14:42	08/03/11 13:21	50
3-Nitroaniline	2500	U	2500	250	ug/L		07/28/11 14:42	08/03/11 13:21	50
4-Nitroaniline	2500	U	2500	250	ug/L		07/28/11 14:42	08/03/11 13:21	50
Nitrobenzene	510	U	510	37	ug/L		07/28/11 14:42	08/03/11 13:21	50
2-Nitrophenol	510	U	510	38	ug/L		07/28/11 14:42	08/03/11 13:21	50
4-Nitrophenol	2500	U	2500	96	ug/L		07/28/11 14:42	08/03/11 13:21	50
4-Nitroquinoline-1-oxide	1000	U	1000	510	ug/L		07/28/11 14:42	08/03/11 13:21	50
N-Nitro-o-toluidine	510	U	510	76	ug/L		07/28/11 14:42	08/03/11 13:21	50
N-Nitrosodiethylamine	510	U	510	47	ug/L		07/28/11 14:42	08/03/11 13:21	50
N-Nitrosodimethylamine	510	U	510	140	ug/L		07/28/11 14:42	08/03/11 13:21	50

Client Sample ID: ASH-DUP-072611
Date Collected: 07/26/11 00:00
Date Received: 07/27/11 09:20

Lab Sample ID: 680-70758-2
Matrix: Water

8

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-butylamine	510	U	510	49	ug/L		07/28/11 14:42	08/03/11 13:21	50
N-Nitrosodi-n-propylamine	510	U	510	36	ug/L		07/28/11 14:42	08/03/11 13:21	50
N-Nitrosodiphenylamine	510	U	510	46	ug/L		07/28/11 14:42	08/03/11 13:21	50
N-Nitrosomethylethylamine	510	U	510	170	ug/L		07/28/11 14:42	08/03/11 13:21	50
N-Nitrosomorpholine	510	U	510	42	ug/L		07/28/11 14:42	08/03/11 13:21	50
N-Nitrosopiperidine	510	U	510	44	ug/L		07/28/11 14:42	08/03/11 13:21	50
N-Nitrosopyrrolidine	510	U	510	51	ug/L		07/28/11 14:42	08/03/11 13:21	50
o,o',o''-Triethylphosphorothioate	3300		510	51	ug/L		07/28/11 14:42	08/03/11 13:21	50
p-Dimethylamino azobenzene	510	U	510	40	ug/L		07/28/11 14:42	08/03/11 13:21	50
Pentachlorobenzene	510	U	510	26	ug/L		07/28/11 14:42	08/03/11 13:21	50
Pentachloronitrobenzene	510	U	510	39	ug/L		07/28/11 14:42	08/03/11 13:21	50
Pentachlorophenol	2500	U	2500	100	ug/L		07/28/11 14:42	08/03/11 13:21	50
Phenacetin	510	U	510	71	ug/L		07/28/11 14:42	08/03/11 13:21	50
Phenanthrene	510	U	510	39	ug/L		07/28/11 14:42	08/03/11 13:21	50
Phenol	510	U	510	42	ug/L		07/28/11 14:42	08/03/11 13:21	50
Phorate	510	U	510	44	ug/L		07/28/11 14:42	08/03/11 13:21	50
2-Picoline	510	U	510	71	ug/L		07/28/11 14:42	08/03/11 13:21	50
p-Phenylene diamine	100000	U	100000	510	ug/L		07/28/11 14:42	08/03/11 13:21	50
Pronamide	510	U	510	45	ug/L		07/28/11 14:42	08/03/11 13:21	50
Pyrene	510	U	510	32	ug/L		07/28/11 14:42	08/03/11 13:21	50
Pyridine	2500	U	2500	120	ug/L		07/28/11 14:42	08/03/11 13:21	50
Safrole, Total	510	U	510	40	ug/L		07/28/11 14:42	08/03/11 13:21	50
Sulfotepp	510	U	510	27	ug/L		07/28/11 14:42	08/03/11 13:21	50
1,2,4,5-Tetrachlorobenzene	510	U	510	38	ug/L		07/28/11 14:42	08/03/11 13:21	50
2,3,4,6-Tetrachlorophenol	510	U	510	36	ug/L		07/28/11 14:42	08/03/11 13:21	50
Thionazin	510	U	510	46	ug/L		07/28/11 14:42	08/03/11 13:21	50
2-Toluidine	510	U	510	71	ug/L		07/28/11 14:42	08/03/11 13:21	50
1,2,4-Trichlorobenzene	510	U	510	28	ug/L		07/28/11 14:42	08/03/11 13:21	50
2,4,5-Trichlorophenol	510	U	510	61	ug/L		07/28/11 14:42	08/03/11 13:21	50
2,4,6-Trichlorophenol	510	U	510	43	ug/L		07/28/11 14:42	08/03/11 13:21	50
1,3,5-Trinitrobenzene	510	U	510	100	ug/L		07/28/11 14:42	08/03/11 13:21	50

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*0*	*D*	*38 - 130*	*07/28/11 14:42*	*08/03/11 13:21*	*50*
2-Fluorophenol	*0*	*D*	*25 - 130*	*07/28/11 14:42*	*08/03/11 13:21*	*50*
Nitrobenzene-d5	*0*	*D*	*39 - 130*	*07/28/11 14:42*	*08/03/11 13:21*	*50*
Phenol-d5	*0*	*D*	*25 - 130*	*07/28/11 14:42*	*08/03/11 13:21*	*50*
Terphenyl-d14	*0*	*D*	*10 - 143*	*07/28/11 14:42*	*08/03/11 13:21*	*50*
2,4,6-Tribromophenol	*0*	*D*	*31 - 141*	*07/28/11 14:42*	*08/03/11 13:21*	*50*

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.049	U	0.049	0.0069	ug/L		07/28/11 14:42	08/01/11 20:39	1
alpha-BHC	0.75		0.049	0.0056	ug/L		07/28/11 14:42	08/01/11 20:39	1
beta-BHC	0.049	U *	0.049	0.0066	ug/L		07/28/11 14:42	08/01/11 20:39	1
Chlordane (technical)	0.49	U	0.49	0.098	ug/L		07/28/11 14:42	08/01/11 20:39	1
Chlorobenzilate	0.49	U	0.49	0.49	ug/L		07/28/11 14:42	08/01/11 20:39	1
4,4'-DDD	0.098	U	0.098	0.0064	ug/L		07/28/11 14:42	08/01/11 20:39	1
4,4'-DDE	0.098	U	0.098	0.0076	ug/L		07/28/11 14:42	08/01/11 20:39	1
4,4'-DDT	0.098	U	0.098	0.0095	ug/L		07/28/11 14:42	08/01/11 20:39	1
delta-BHC	0.049	U	0.049	0.0047	ug/L		07/28/11 14:42	08/01/11 20:39	1

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	0.098	U	0.098	0.0090	ug/L		07/28/11 14:42	08/01/11 20:39	1
Endosulfan I	0.049	U	0.049	0.0041	ug/L		07/28/11 14:42	08/01/11 20:39	1
Endosulfan II	0.098	U	0.098	0.0096	ug/L		07/28/11 14:42	08/01/11 20:39	1
Endosulfan sulfate	0.098	U	0.098	0.0067	ug/L		07/28/11 14:42	08/01/11 20:39	1
Endrin	0.098	U *	0.098	0.0095	ug/L		07/28/11 14:42	08/01/11 20:39	1
Endrin aldehyde	0.098	U	0.098	0.016	ug/L		07/28/11 14:42	08/01/11 20:39	1
Endrin ketone	0.098	U	0.098	0.0083	ug/L		07/28/11 14:42	08/01/11 20:39	1
gamma-BHC (Lindane)	0.45		0.049	0.0058	ug/L		07/28/11 14:42	08/01/11 20:39	1
Heptachlor	0.049	U	0.049	0.0069	ug/L		07/28/11 14:42	08/01/11 20:39	1
Heptachlor epoxide	0.049	U	0.049	0.0059	ug/L		07/28/11 14:42	08/01/11 20:39	1
Isodrin	0.049	U	0.049	0.049	ug/L		07/28/11 14:42	08/01/11 20:39	1
Kepone	0.98	U	0.98	0.98	ug/L		07/28/11 14:42	08/01/11 20:39	1
Methoxychlor	0.098	U	0.098	0.013	ug/L		07/28/11 14:42	08/01/11 20:39	1
Toxaphene	4.9	U	4.9	0.49	ug/L		07/28/11 14:42	08/01/11 20:39	1
PCB-1016	0.98	U	0.98	0.070	ug/L		07/28/11 14:42	08/01/11 20:39	1
PCB-1221	2.0	U	2.0	0.28	ug/L		07/28/11 14:42	08/01/11 20:39	1
PCB-1232	0.98	U	0.98	0.11	ug/L		07/28/11 14:42	08/01/11 20:39	1
PCB-1242	0.98	U	0.98	0.18	ug/L		07/28/11 14:42	08/01/11 20:39	1
PCB-1248	0.98	U	0.98	0.35	ug/L		07/28/11 14:42	08/01/11 20:39	1
PCB-1254	0.98	U	0.98	0.26	ug/L		07/28/11 14:42	08/01/11 20:39	1
PCB-1260	0.98	U	0.98	0.20	ug/L		07/28/11 14:42	08/01/11 20:39	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*44*		*36 - 130*	*07/28/11 14:42*	*08/01/11 20:39*	*1*
Tetrachloro-m-xylene	*35*	*X*	*36 - 130*	*07/28/11 14:42*	*08/01/11 20:39*	*1*
DCB Decachlorobiphenyl	*14*	*X*	*40 - 130*	*07/28/11 14:42*	*08/01/11 20:39*	*1*
DCB Decachlorobiphenyl	*2*	*pX*	*40 - 130*	*07/28/11 14:42*	*08/01/11 20:39*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.50	U	0.50	0.037	ug/L		07/28/11 08:04	07/29/11 18:53	1
Silvex (2,4,5-TP)	0.50	U	0.50	0.062	ug/L		07/28/11 08:04	07/29/11 18:53	1
2,4,5-T	0.50	U	0.50	0.062	ug/L		07/28/11 08:04	07/29/11 18:53	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*409*	*X*	*52 - 151*	*07/28/11 08:04*	*07/29/11 18:53*	*1*
DCAA	*92*	*p*	*52 - 151*	*07/28/11 08:04*	*07/29/11 18:53*	*1*

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290)

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		10	0.39	1		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
1,2,3,7,8-PeCDD	ND		51	0.49	1		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
1,2,3,4,7,8-HxCDD	ND		51	0.26	0.1		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
1,2,3,6,7,8-HxCDD	ND		51	0.23	0.1		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
1,2,3,7,8,9-HxCDD	ND		51	0.33	0.1		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
1,2,3,4,6,7,8-HpCDD	ND		51	1.5	0.01		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
OCDD	ND		100	31	0.0003		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
2,3,7,8-TCDF	ND		10	6.0	0.1		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
1,2,3,7,8-PeCDF	ND		51	0.55	0.03		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
2,3,4,7,8-PeCDF	ND		51	0.61	0.3		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
1,2,3,4,7,8-HxCDF	ND		51	0.11	0.1		pg/L		07/28/11 09:00	07/30/11 11:24	1.01

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-1

Client Sample ID: ASH-DUP-072611
Date Collected: 07/26/11 00:00
Date Received: 07/27/11 09:20

Lab Sample ID: 680-70758-2
Matrix: Water

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290) (Continued)

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,6,7,8-HxCDF	ND		51	0.11	0.1		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
2,3,4,6,7,8-HxCDF	ND		51	0.11	0.1		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
1,2,3,7,8,9-HxCDF	ND		51	0.13	0.1		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
1,2,3,4,6,7,8-HpCDF	ND		51	0.22	0.01		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
1,2,3,4,7,8,9-HpCDF	ND		51	0.17	0.01		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
OCDF	ND		100	0.46	0.0003		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
2,3,7,8-TCDD	ND		10	0.39	1		pg/L		07/28/11 09:00	07/30/11 11:24	1.01
Total HxCDD	ND		51	0.56			pg/L		07/28/11 09:00	07/30/11 11:24	1.01
Total HxCDF	ND		51	0.15			pg/L		07/28/11 09:00	07/30/11 11:24	1.01
Total PeCDD	ND		51	0.49			pg/L		07/28/11 09:00	07/30/11 11:24	1.01
Total PeCDF	ND		51	8.0			pg/L		07/28/11 09:00	07/30/11 11:24	1.01
Total TCDD	ND		10	0.57			pg/L		07/28/11 09:00	07/30/11 11:24	1.01
Total TCDF	**66**		10	6.0			pg/L		07/28/11 09:00	07/30/11 11:24	1.01
Total TEQ (WHO 2005)						0.00					

Internal Standard	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*79*		*40 - 135*	*07/28/11 09:00*	*07/30/11 11:24*	*1.01*
13C-2,3,7,8-TCDD	*79*		*40 - 135*	*07/28/11 09:00*	*07/30/11 11:24*	*1.01*
13C-1,2,3,7,8-PeCDD	*75*		*40 - 135*	*07/28/11 09:00*	*07/30/11 11:24*	*1.01*
13C-1,2,3,7,8-PeCDD	*75*		*40 - 135*	*07/28/11 09:00*	*07/30/11 11:24*	*1.01*
13C-1,2,3,6,7,8-HxCDD	*85*		*40 - 135*	*07/28/11 09:00*	*07/30/11 11:24*	*1.01*
13C-1,2,3,6,7,8-HxCDD	*85*		*40 - 135*	*07/28/11 09:00*	*07/30/11 11:24*	*1.01*
13C-1,2,3,4,6,7,8-HpCDD	*69*		*40 - 135*	*07/28/11 09:00*	*07/30/11 11:24*	*1.01*
13C-OCDD	*74*		*40 - 135*	*07/28/11 09:00*	*07/30/11 11:24*	*1.01*
13C-2,3,7,8-TCDF	*86*		*40 - 135*	*07/28/11 09:00*	*07/30/11 11:24*	*1.01*
13C-2,3,7,8-TCDF	*86*		*40 - 135*	*07/28/11 09:00*	*07/30/11 11:24*	*1.01*
13C-1,2,3,7,8-PeCDF	*79*		*40 - 135*	*07/28/11 09:00*	*07/30/11 11:24*	*1.01*
13C-1,2,3,7,8-PeCDF	*79*		*40 - 135*	*07/28/11 09:00*	*07/30/11 11:24*	*1.01*
13C-1,2,3,4,7,8-HxCDF	*81*		*40 - 135*	*07/28/11 09:00*	*07/30/11 11:24*	*1.01*
13C-1,2,3,4,7,8-HxCDF	*81*		*40 - 135*	*07/28/11 09:00*	*07/30/11 11:24*	*1.01*
13C-1,2,3,4,6,7,8-HpCDF	*74*		*40 - 135*	*07/28/11 09:00*	*07/30/11 11:24*	*1.01*

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.0	U	5.0	2.0	ug/L		08/01/11 08:48	08/06/11 22:51	1
Arsenic	**44**		2.5	1.3	ug/L		08/01/11 08:48	08/06/11 22:51	1
Barium	**260**		5.0	1.4	ug/L		08/01/11 08:48	08/06/11 22:51	1
Beryllium	0.50	U	0.50	0.15	ug/L		08/01/11 08:48	08/06/11 22:51	1
Cadmium	0.50	U	0.50	0.13	ug/L		08/01/11 08:48	08/06/11 22:51	1
Chromium	5.0	U	5.0	2.5	ug/L		08/01/11 08:48	08/06/11 22:51	1
Cobalt	**0.37**	**J**	0.50	0.12	ug/L		08/01/11 08:48	08/06/11 22:51	1
Copper	5.0	U	5.0	1.1	ug/L		08/01/11 08:48	08/06/11 22:51	1
Lead	1.5	U	1.5	0.50	ug/L		08/01/11 08:48	08/06/11 22:51	1
Nickel	5.0	U	5.0	2.0	ug/L		08/01/11 08:48	08/06/11 22:51	1
Selenium	**1.1**	**J**	2.5	1.1	ug/L		08/01/11 08:48	08/06/11 22:51	1
Silver	1.0	U	1.0	0.18	ug/L		08/01/11 08:48	08/06/11 22:51	1
Thallium	1.0	U	1.0	0.25	ug/L		08/01/11 08:48	08/06/11 22:51	1
Tin	5.0	U	5.0	1.4	ug/L		08/01/11 08:48	08/06/11 22:51	1
Vanadium	10	U	10	3.2	ug/L		08/01/11 08:48	08/06/11 22:51	1
Zinc	20	U	20	8.4	ug/L		08/01/11 08:48	08/06/11 22:51	1

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-1

Client Sample ID: ASH-DUP-072611
Date Collected: 07/26/11 00:00
Date Received: 07/27/11 09:20

Lab Sample ID: 680-70758-2
Matrix: Water

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		08/02/11 09:42	08/02/11 16:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		08/01/11 07:51	08/02/11 06:48	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	17		1.0	1.0	mg/L			07/27/11 14:10	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-1

Client Sample ID: ASH-RSI-072611
Date Collected: 07/26/11 08:57
Date Received: 07/27/11 09:20

Lab Sample ID: 680-70758-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25	5.0	ug/L			07/29/11 19:04	1
Acetonitrile	40	U	40	10	ug/L			07/29/11 19:04	1
Acrolein	20	U	20	7.4	ug/L			07/29/11 19:04	1
Acrylonitrile	20	U	20	7.2	ug/L			07/29/11 19:04	1
Benzene	1.0	U	1.0	0.25	ug/L			07/29/11 19:04	1
Dichlorobromomethane	1.0	U	1.0	0.25	ug/L			07/29/11 19:04	1
Bromoform	1.0	U *	1.0	0.50	ug/L			07/29/11 19:04	1
Bromomethane	1.0	U	1.0	0.80	ug/L			07/29/11 19:04	1
2-Butanone (MEK)	10	U	10	1.0	ug/L			07/29/11 19:04	1
Carbon disulfide	2.0	U	2.0	0.60	ug/L			07/29/11 19:04	1
Carbon tetrachloride	1.0	U	1.0	0.50	ug/L			07/29/11 19:04	1
Chlorobenzene	1.0	U	1.0	0.25	ug/L			07/29/11 19:04	1
2-Chloro-1,3-butadiene	1.0	U	1.0	0.30	ug/L			07/29/11 19:04	1
Chloroethane	1.0	U	1.0	1.0	ug/L			07/29/11 19:04	1
Chloroform	1.0	U	1.0	0.14	ug/L			07/29/11 19:04	1
Chloromethane	1.0	U	1.0	0.33	ug/L			07/29/11 19:04	1
3-Chloro-1-propene	1.0	U	1.0	0.20	ug/L			07/29/11 19:04	1
Chlorodibromomethane	1.0	U	1.0	0.10	ug/L			07/29/11 19:04	1
1,2-Dibromo-3-Chloropropane	1.0	U *	1.0	0.44	ug/L			07/29/11 19:04	1
Ethylene Dibromide	1.0	U	1.0	0.25	ug/L			07/29/11 19:04	1
Dibromomethane	1.0	U	1.0	0.20	ug/L			07/29/11 19:04	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0	0.50	ug/L			07/29/11 19:04	1
Dichlorodifluoromethane	1.0	U	1.0	0.25	ug/L			07/29/11 19:04	1
1,1-Dichloroethane	1.0	U	1.0	0.25	ug/L			07/29/11 19:04	1
1,2-Dichloroethane	1.0	U	1.0	0.10	ug/L			07/29/11 19:04	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.15	ug/L			07/29/11 19:04	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.20	ug/L			07/29/11 19:04	1
1,1-Dichloroethene	1.0	U	1.0	0.11	ug/L			07/29/11 19:04	1
1,2-Dichloropropane	1.0	U	1.0	0.13	ug/L			07/29/11 19:04	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.11	ug/L			07/29/11 19:04	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.21	ug/L			07/29/11 19:04	1
Ethylbenzene	1.0	U	1.0	0.11	ug/L			07/29/11 19:04	1
Ethyl methacrylate	1.0	U	1.0	0.25	ug/L			07/29/11 19:04	1
2-Hexanone	10	U	10	1.0	ug/L			07/29/11 19:04	1
Iodomethane	5.0	U	5.0	1.0	ug/L			07/29/11 19:04	1
Isobutyl alcohol	40	U	40	11	ug/L			07/29/11 19:04	1
Methacrylonitrile	20	U	20	3.3	ug/L			07/29/11 19:04	1
Methylene Chloride	5.0	U	5.0	1.0	ug/L			07/29/11 19:04	1
Methyl methacrylate	1.0	U	1.0	0.48	ug/L			07/29/11 19:04	1
4-Methyl-2-pentanone (MIBK)	10	U	10	1.0	ug/L			07/29/11 19:04	1
Pentachloroethane	5.0	U	5.0	1.2	ug/L			07/29/11 19:04	1
Propionitrile	20	U	20	4.6	ug/L			07/29/11 19:04	1
Styrene	1.0	U	1.0	0.11	ug/L			07/29/11 19:04	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.33	ug/L			07/29/11 19:04	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18	ug/L			07/29/11 19:04	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			07/29/11 19:04	1
Toluene	1.0	U	1.0	0.33	ug/L			07/29/11 19:04	1
1,1,1-Trichloroethane	1.0	U	1.0	0.50	ug/L			07/29/11 19:04	1
1,1,2-Trichloroethane	1.0	U	1.0	0.13	ug/L			07/29/11 19:04	1
Trichloroethene	1.0	U	1.0	0.13	ug/L			07/29/11 19:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	1.0	U	1.0	0.25	ug/L			07/29/11 19:04	1
1,2,3-Trichloropropane	1.0	U	1.0	0.41	ug/L			07/29/11 19:04	1
Vinyl acetate	2.0	U	2.0	0.28	ug/L			07/29/11 19:04	1
Vinyl chloride	1.0	U	1.0	0.18	ug/L			07/29/11 19:04	1
Xylenes, Total	0.25	J	2.0	0.20	ug/L			07/29/11 19:04	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*07/29/11 19:04*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*07/29/11 19:04*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*07/29/11 19:04*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	10	U	10	0.79	ug/L		07/28/11 14:42	08/02/11 18:32	1
Acenaphthylene	10	U	10	0.88	ug/L		07/28/11 14:42	08/02/11 18:32	1
Acetophenone	10	U	10	0.59	ug/L		07/28/11 14:42	08/02/11 18:32	1
2-Acetylaminofluorene	10	U	10	1.7	ug/L		07/28/11 14:42	08/02/11 18:32	1
alpha,alpha-Dimethyl phenethylamine	2100	U	2100	36	ug/L		07/28/11 14:42	08/02/11 18:32	1
4-Aminobiphenyl	10	U	10	1.2	ug/L		07/28/11 14:42	08/02/11 18:32	1
Aniline	21	U	21	2.2	ug/L		07/28/11 14:42	08/02/11 18:32	1
Anthracene	10	U	10	0.72	ug/L		07/28/11 14:42	08/02/11 18:32	1
Aramite, Total	10	U	10	0.94	ug/L		07/28/11 14:42	08/02/11 18:32	1
Benzo[a]anthracene	10	U	10	0.57	ug/L		07/28/11 14:42	08/02/11 18:32	1
Benzo[a]pyrene	10	U	10	0.74	ug/L		07/28/11 14:42	08/02/11 18:32	1
Benzo[b]fluoranthene	10	U	10	2.7	ug/L		07/28/11 14:42	08/02/11 18:32	1
Benzo[g,h,i]perylene	10	U	10	0.90	ug/L		07/28/11 14:42	08/02/11 18:32	1
Benzo[k]fluoranthene	10	U	10	1.2	ug/L		07/28/11 14:42	08/02/11 18:32	1
Benzyl alcohol	10	U	10	1.1	ug/L		07/28/11 14:42	08/02/11 18:32	1
1,1'-Biphenyl	10	U	10	0.60	ug/L		07/28/11 14:42	08/02/11 18:32	1
Bis(2-chloroethoxy)methane	10	U	10	0.97	ug/L		07/28/11 14:42	08/02/11 18:32	1
Bis(2-chloroethyl)ether	10	U	10	1.1	ug/L		07/28/11 14:42	08/02/11 18:32	1
bis(chloroisopropyl) ether	10	U	10	0.81	ug/L		07/28/11 14:42	08/02/11 18:32	1
Bis(2-ethylhexyl) phthalate	10	U	10	1.7	ug/L		07/28/11 14:42	08/02/11 18:32	1
4-Bromophenyl phenyl ether	10	U	10	0.80	ug/L		07/28/11 14:42	08/02/11 18:32	1
Butyl benzyl phthalate	10	U	10	1.2	ug/L		07/28/11 14:42	08/02/11 18:32	1
4-Chloroaniline	21	U	21	2.3	ug/L		07/28/11 14:42	08/02/11 18:32	1
4-Chloro-3-methylphenol	10	U	10	1.0	ug/L		07/28/11 14:42	08/02/11 18:32	1
2-Chloronaphthalene	10	U	10	0.83	ug/L		07/28/11 14:42	08/02/11 18:32	1
2-Chlorophenol	10	U	10	0.90	ug/L		07/28/11 14:42	08/02/11 18:32	1
4-Chlorophenyl phenyl ether	10	U	10	0.87	ug/L		07/28/11 14:42	08/02/11 18:32	1
Chrysene	10	U	10	0.53	ug/L		07/28/11 14:42	08/02/11 18:32	1
Diallate	10	U	10	0.81	ug/L		07/28/11 14:42	08/02/11 18:32	1
Dibenz(a,h)anthracene	10	U	10	1.0	ug/L		07/28/11 14:42	08/02/11 18:32	1
Dibenzofuran	10	U	10	0.82	ug/L		07/28/11 14:42	08/02/11 18:32	1
1,2-Dichlorobenzene	10	U	10	0.55	ug/L		07/28/11 14:42	08/02/11 18:32	1
1,3-Dichlorobenzene	10	U	10	0.61	ug/L		07/28/11 14:42	08/02/11 18:32	1
1,4-Dichlorobenzene	10	U	10	0.56	ug/L		07/28/11 14:42	08/02/11 18:32	1
3,3'-Dichlorobenzidine	62	U	62	31	ug/L		07/28/11 14:42	08/02/11 18:32	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		07/28/11 14:42	08/02/11 18:32	1
2,6-Dichlorophenol	10	U	10	0.76	ug/L		07/28/11 14:42	08/02/11 18:32	1
Diethyl phthalate	10	U	10	0.91	ug/L		07/28/11 14:42	08/02/11 18:32	1

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-1

Client Sample ID: ASH-RSI-072611
Date Collected: 07/26/11 08:57
Date Received: 07/27/11 09:20

Lab Sample ID: 680-70758-3
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethoate	10	U *	10	0.78	ug/L		07/28/11 14:42	08/02/11 18:32	1
7,12-Dimethylbenz(a)anthracene	10	U	10	1.2	ug/L		07/28/11 14:42	08/02/11 18:32	1
3,3'-Dimethylbenzidine	21	U	21	10	ug/L		07/28/11 14:42	08/02/11 18:32	1
2,4-Dimethylphenol	10	U	10	4.1	ug/L		07/28/11 14:42	08/02/11 18:32	1
Dimethyl phthalate	10	U	10	1.0	ug/L		07/28/11 14:42	08/02/11 18:32	1
Di-n-butyl phthalate	10	U	10	0.86	ug/L		07/28/11 14:42	08/02/11 18:32	1
1,3-Dinitrobenzene	10	U	10	0.62	ug/L		07/28/11 14:42	08/02/11 18:32	1
4,6-Dinitro-2-methylphenol	52	U	52	10	ug/L		07/28/11 14:42	08/02/11 18:32	1
2,4-Dinitrophenol	52	U	52	10	ug/L		07/28/11 14:42	08/02/11 18:32	1
2,4-Dinitrotoluene	10	U	10	1.2	ug/L		07/28/11 14:42	08/02/11 18:32	1
2,6-Dinitrotoluene	10	U	10	1.1	ug/L		07/28/11 14:42	08/02/11 18:32	1
Di-n-octyl phthalate	10	U	10	1.5	ug/L		07/28/11 14:42	08/02/11 18:32	1
Dinoseb	10	U	10	5.2	ug/L		07/28/11 14:42	08/02/11 18:32	1
1,4-Dioxane	10	U	10	3.5	ug/L		07/28/11 14:42	08/02/11 18:32	1
Disulfoton	10	U *	10	0.82	ug/L		07/28/11 14:42	08/02/11 18:32	1
Ethyl methanesulfonate	10	U	10	1.0	ug/L		07/28/11 14:42	08/02/11 18:32	1
Ethyl Parathion	10	U	10	1.3	ug/L		07/28/11 14:42	08/02/11 18:32	1
Famphur	10	U *	10	1.1	ug/L		07/28/11 14:42	08/02/11 18:32	1
Fluoranthene	10	U	10	0.77	ug/L		07/28/11 14:42	08/02/11 18:32	1
Fluorene	10	U	10	1.0	ug/L		07/28/11 14:42	08/02/11 18:32	1
Hexachlorobenzene	10	U	10	0.82	ug/L		07/28/11 14:42	08/02/11 18:32	1
Hexachlorobutadiene	10	U	10	0.64	ug/L		07/28/11 14:42	08/02/11 18:32	1
Hexachlorocyclopentadiene	10	U	10	2.6	ug/L		07/28/11 14:42	08/02/11 18:32	1
Hexachloroethane	10	U	10	0.79	ug/L		07/28/11 14:42	08/02/11 18:32	1
Hexachlorophene	5200	U	5200	28	ug/L		07/28/11 14:42	08/02/11 18:32	1
Hexachloropropene	10	U	10	1.5	ug/L		07/28/11 14:42	08/02/11 18:32	1
Indeno[1,2,3-cd]pyrene	10	U	10	1.0	ug/L		07/28/11 14:42	08/02/11 18:32	1
Isophorone	10	U	10	0.93	ug/L		07/28/11 14:42	08/02/11 18:32	1
Isosafrole	10	U	10	0.52	ug/L		07/28/11 14:42	08/02/11 18:32	1
Methapyrilene	2100	U	2100	2.8	ug/L		07/28/11 14:42	08/02/11 18:32	1
3-Methylcholanthrene	10	U	10	1.5	ug/L		07/28/11 14:42	08/02/11 18:32	1
Methyl methanesulfonate	10	U	10	0.62	ug/L		07/28/11 14:42	08/02/11 18:32	1
2-Methylnaphthalene	10	U	10	0.81	ug/L		07/28/11 14:42	08/02/11 18:32	1
Methyl parathion	10	U *	10	0.91	ug/L		07/28/11 14:42	08/02/11 18:32	1
2-Methylphenol	10	U	10	0.92	ug/L		07/28/11 14:42	08/02/11 18:32	1
3 & 4 Methylphenol	10	U	10	1.3	ug/L		07/28/11 14:42	08/02/11 18:32	1
Naphthalene	10	U	10	0.73	ug/L		07/28/11 14:42	08/02/11 18:32	1
1,4-Naphthoquinone	10	U	10	0.64	ug/L		07/28/11 14:42	08/02/11 18:32	1
1-Naphthylamine	10	U	10	1.1	ug/L		07/28/11 14:42	08/02/11 18:32	1
2-Naphthylamine	10	U	10	1.6	ug/L		07/28/11 14:42	08/02/11 18:32	1
2-Nitroaniline	52	U	52	1.3	ug/L		07/28/11 14:42	08/02/11 18:32	1
3-Nitroaniline	52	U	52	5.2	ug/L		07/28/11 14:42	08/02/11 18:32	1
4-Nitroaniline	52	U	52	5.2	ug/L		07/28/11 14:42	08/02/11 18:32	1
Nitrobenzene	10	U	10	0.76	ug/L		07/28/11 14:42	08/02/11 18:32	1
2-Nitrophenol	10	U	10	0.79	ug/L		07/28/11 14:42	08/02/11 18:32	1
4-Nitrophenol	52	U	52	2.0	ug/L		07/28/11 14:42	08/02/11 18:32	1
4-Nitroquinoline-1-oxide	21	U	21	10	ug/L		07/28/11 14:42	08/02/11 18:32	1
N-Nitro-o-toluidine	10	U	10	1.6	ug/L		07/28/11 14:42	08/02/11 18:32	1
N-Nitrosodiethylamine	10	U	10	0.96	ug/L		07/28/11 14:42	08/02/11 18:32	1
N-Nitrosodimethylamine	10	U	10	2.9	ug/L		07/28/11 14:42	08/02/11 18:32	1

Client Sample ID: ASH-RSI-072611
Date Collected: 07/26/11 08:57
Date Received: 07/27/11 09:20

Lab Sample ID: 680-70758-3
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-butylamine	10	U	10	1.0	ug/L		07/28/11 14:42	08/02/11 18:32	1
N-Nitrosodi-n-propylamine	10	U	10	0.75	ug/L		07/28/11 14:42	08/02/11 18:32	1
N-Nitrosodiphenylamine	10	U	10	0.95	ug/L		07/28/11 14:42	08/02/11 18:32	1
N-Nitrosomethylethylamine	10	U	10	3.4	ug/L		07/28/11 14:42	08/02/11 18:32	1
N-Nitrosomorpholine	10	U	10	0.87	ug/L		07/28/11 14:42	08/02/11 18:32	1
N-Nitrosopiperidine	10	U	10	0.91	ug/L		07/28/11 14:42	08/02/11 18:32	1
N-Nitrosopyrrolidine	10	U	10	1.0	ug/L		07/28/11 14:42	08/02/11 18:32	1
o,o',o''-Triethylphosphorothioate	10	U	10	1.0	ug/L		07/28/11 14:42	08/02/11 18:32	1
p-Dimethylamino azobenzene	10	U	10	0.82	ug/L		07/28/11 14:42	08/02/11 18:32	1
Pentachlorobenzene	10	U	10	0.54	ug/L		07/28/11 14:42	08/02/11 18:32	1
Pentachloronitrobenzene	10	U	10	0.81	ug/L		07/28/11 14:42	08/02/11 18:32	1
Pentachlorophenol	52	U	52	2.1	ug/L		07/28/11 14:42	08/02/11 18:32	1
Phenacetin	10	U	10	1.5	ug/L		07/28/11 14:42	08/02/11 18:32	1
Phenanthrene	10	U	10	0.80	ug/L		07/28/11 14:42	08/02/11 18:32	1
Phenol	10	U	10	0.86	ug/L		07/28/11 14:42	08/02/11 18:32	1
Phorate	10	U	10	0.90	ug/L		07/28/11 14:42	08/02/11 18:32	1
2-Picoline	10	U	10	1.5	ug/L		07/28/11 14:42	08/02/11 18:32	1
p-Phenylene diamine	2100	U	2100	10	ug/L		07/28/11 14:42	08/02/11 18:32	1
Pronamide	10	U	10	0.92	ug/L		07/28/11 14:42	08/02/11 18:32	1
Pyrene	10	U	10	0.65	ug/L		07/28/11 14:42	08/02/11 18:32	1
Pyridine	52	U	52	2.4	ug/L		07/28/11 14:42	08/02/11 18:32	1
Safrole, Total	10	U	10	0.83	ug/L		07/28/11 14:42	08/02/11 18:32	1
Sulfotepp	10	U	10	0.55	ug/L		07/28/11 14:42	08/02/11 18:32	1
1,2,4,5-Tetrachlorobenzene	10	U	10	0.79	ug/L		07/28/11 14:42	08/02/11 18:32	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		07/28/11 14:42	08/02/11 18:32	1
Thionazin	10	U	10	0.94	ug/L		07/28/11 14:42	08/02/11 18:32	1
2-Toluidine	10	U	10	1.5	ug/L		07/28/11 14:42	08/02/11 18:32	1
1,2,4-Trichlorobenzene	10	U	10	0.58	ug/L		07/28/11 14:42	08/02/11 18:32	1
2,4,5-Trichlorophenol	10	U	10	1.2	ug/L		07/28/11 14:42	08/02/11 18:32	1
2,4,6-Trichlorophenol	10	U	10	0.88	ug/L		07/28/11 14:42	08/02/11 18:32	1
1,3,5-Trinitrobenzene	10	U	10	2.1	ug/L		07/28/11 14:42	08/02/11 18:32	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*38 - 130*	*07/28/11 14:42*	*08/02/11 18:32*	*1*
2-Fluorophenol	*67*		*25 - 130*	*07/28/11 14:42*	*08/02/11 18:32*	*1*
Nitrobenzene-d5	*74*		*39 - 130*	*07/28/11 14:42*	*08/02/11 18:32*	*1*
Phenol-d5	*63*		*25 - 130*	*07/28/11 14:42*	*08/02/11 18:32*	*1*
Terphenyl-d14	*81*		*10 - 143*	*07/28/11 14:42*	*08/02/11 18:32*	*1*
2,4,6-Tribromophenol	*76*		*31 - 141*	*07/28/11 14:42*	*08/02/11 18:32*	*1*

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.051	U	0.051	0.0072	ug/L		07/28/11 14:42	08/01/11 20:58	1
alpha-BHC	0.051	U	0.051	0.0059	ug/L		07/28/11 14:42	08/01/11 20:58	1
beta-BHC	0.051	U *	0.051	0.0069	ug/L		07/28/11 14:42	08/01/11 20:58	1
Chlordane (technical)	0.51	U	0.51	0.10	ug/L		07/28/11 14:42	08/01/11 20:58	1
Chlorobenzilate	0.51	U	0.51	0.51	ug/L		07/28/11 14:42	08/01/11 20:58	1
4,4'-DDD	0.10	U	0.10	0.0067	ug/L		07/28/11 14:42	08/01/11 20:58	1
4,4'-DDE	0.10	U	0.10	0.0079	ug/L		07/28/11 14:42	08/01/11 20:58	1
4,4'-DDT	0.10	U	0.10	0.010	ug/L		07/28/11 14:42	08/01/11 20:58	1
delta-BHC	0.051	U	0.051	0.0049	ug/L		07/28/11 14:42	08/01/11 20:58	1

Client Sample ID: ASH-RSI-072611
Date Collected: 07/26/11 08:57
Date Received: 07/27/11 09:20

Lab Sample ID: 680-70758-3
Matrix: Water

8

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	0.10	U	0.10	0.0094	ug/L		07/28/11 14:42	08/01/11 20:58	1
Endosulfan I	0.051	U	0.051	0.0043	ug/L		07/28/11 14:42	08/01/11 20:58	1
Endosulfan II	0.10	U	0.10	0.010	ug/L		07/28/11 14:42	08/01/11 20:58	1
Endosulfan sulfate	0.10	U	0.10	0.0070	ug/L		07/28/11 14:42	08/01/11 20:58	1
Endrin	0.10	U *	0.10	0.010	ug/L		07/28/11 14:42	08/01/11 20:58	1
Endrin aldehyde	0.10	U	0.10	0.016	ug/L		07/28/11 14:42	08/01/11 20:58	1
Endrin ketone	0.10	U	0.10	0.0086	ug/L		07/28/11 14:42	08/01/11 20:58	1
gamma-BHC (Lindane)	0.051	U	0.051	0.0061	ug/L		07/28/11 14:42	08/01/11 20:58	1
Heptachlor	0.051	U	0.051	0.0072	ug/L		07/28/11 14:42	08/01/11 20:58	1
Heptachlor epoxide	0.051	U	0.051	0.0062	ug/L		07/28/11 14:42	08/01/11 20:58	1
Isodrin	0.051	U	0.051	0.051	ug/L		07/28/11 14:42	08/01/11 20:58	1
Kepone	1.0	U	1.0	1.0	ug/L		07/28/11 14:42	08/01/11 20:58	1
Methoxychlor	0.10	U	0.10	0.013	ug/L		07/28/11 14:42	08/01/11 20:58	1
Toxaphene	5.1	U	5.1	0.51	ug/L		07/28/11 14:42	08/01/11 20:58	1
PCB-1016	1.0	U	1.0	0.073	ug/L		07/28/11 14:42	08/01/11 20:58	1
PCB-1221	2.1	U	2.1	0.29	ug/L		07/28/11 14:42	08/01/11 20:58	1
PCB-1232	1.0	U	1.0	0.11	ug/L		07/28/11 14:42	08/01/11 20:58	1
PCB-1242	1.0	U	1.0	0.18	ug/L		07/28/11 14:42	08/01/11 20:58	1
PCB-1248	1.0	U	1.0	0.37	ug/L		07/28/11 14:42	08/01/11 20:58	1
PCB-1254	1.0	U	1.0	0.27	ug/L		07/28/11 14:42	08/01/11 20:58	1
PCB-1260	1.0	U	1.0	0.21	ug/L		07/28/11 14:42	08/01/11 20:58	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*63*		*36 - 130*	*07/28/11 14:42*	*08/01/11 20:58*	*1*
Tetrachloro-m-xylene	*64*		*36 - 130*	*07/28/11 14:42*	*08/01/11 20:58*	*1*
DCB Decachlorobiphenyl	*51*		*40 - 130*	*07/28/11 14:42*	*08/01/11 20:58*	*1*
DCB Decachlorobiphenyl	*48*		*40 - 130*	*07/28/11 14:42*	*08/01/11 20:58*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.50	U	0.50	0.037	ug/L		07/28/11 08:04	07/29/11 19:08	1
Silvex (2,4,5-TP)	0.50	U	0.50	0.061	ug/L		07/28/11 08:04	07/29/11 19:08	1
2,4,5-T	0.50	U	0.50	0.061	ug/L		07/28/11 08:04	07/29/11 19:08	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCAA	*77*		*52 - 151*	*07/28/11 08:04*	*07/29/11 19:08*	*1*
DCAA	*73*		*52 - 151*	*07/28/11 08:04*	*07/29/11 19:08*	*1*

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290)

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		10	0.38	1		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
1,2,3,7,8-PeCDD	ND		52	0.34	1		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
1,2,3,4,7,8-HxCDD	ND		52	0.17	0.1		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
1,2,3,6,7,8-HxCDD	ND		52	0.14	0.1		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
1,2,3,7,8,9-HxCDD	ND		52	0.21	0.1		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
1,2,3,4,6,7,8-HpCDD	ND		52	0.57	0.01		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
OCDD	ND		100	3.6	0.0003		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
2,3,7,8-TCDF	ND		10	0.27	0.1		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
1,2,3,7,8-PeCDF	ND		52	0.21	0.03		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
2,3,4,7,8-PeCDF	ND		52	0.23	0.3		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
1,2,3,4,7,8-HxCDF	ND		52	0.20	0.1		pg/L		07/28/11 09:00	07/30/11 12:09	1.03

Client Sample ID: ASH-RSI-072611
Date Collected: 07/26/11 08:57
Date Received: 07/27/11 09:20

Lab Sample ID: 680-70758-3
Matrix: Water

Method: 8290 - Dioxins/Furans, HRGC/HRMS (8290) (Continued)

Analyte	Result	Qualifier	ML	EDL	TEF	TEQ	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,6,7,8-HxCDF	ND		52	0.21	0.1		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
2,3,4,6,7,8-HxCDF	ND		52	0.13	0.1		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
1,2,3,7,8,9-HxCDF	ND		52	0.20	0.1		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
1,2,3,4,6,7,8-HpCDF	ND		52	0.52	0.01		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
1,2,3,4,7,8,9-HpCDF	ND		52	0.16	0.01		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
OCDF	ND		100	0.49	0.0003		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
2,3,7,8-TCDD	ND		10	0.38	1		pg/L		07/28/11 09:00	07/30/11 12:09	1.03
Total HxCDD	ND		52	0.53			pg/L		07/28/11 09:00	07/30/11 12:09	1.03
Total HxCDF	ND		52	0.21			pg/L		07/28/11 09:00	07/30/11 12:09	1.03
Total PeCDD	ND		52	0.70			pg/L		07/28/11 09:00	07/30/11 12:09	1.03
Total PeCDF	ND		52	0.23			pg/L		07/28/11 09:00	07/30/11 12:09	1.03
Total TCDD	ND		10	0.38			pg/L		07/28/11 09:00	07/30/11 12:09	1.03
Total TCDF	ND		10	0.34			pg/L		07/28/11 09:00	07/30/11 12:09	1.03
Total TEQ (WHO 2005)						0.00					

Internal Standard	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*82*		*40 - 135*	*07/28/11 09:00*	*07/30/11 12:09*	*1.03*
13C-2,3,7,8-TCDD	*82*		*40 - 135*	*07/28/11 09:00*	*07/30/11 12:09*	*1.03*
13C-1,2,3,7,8-PeCDD	*83*		*40 - 135*	*07/28/11 09:00*	*07/30/11 12:09*	*1.03*
13C-1,2,3,7,8-PeCDD	*83*		*40 - 135*	*07/28/11 09:00*	*07/30/11 12:09*	*1.03*
13C-1,2,3,6,7,8-HxCDD	*87*		*40 - 135*	*07/28/11 09:00*	*07/30/11 12:09*	*1.03*
13C-1,2,3,6,7,8-HxCDD	*87*		*40 - 135*	*07/28/11 09:00*	*07/30/11 12:09*	*1.03*
13C-1,2,3,4,6,7,8-HpCDD	*69*		*40 - 135*	*07/28/11 09:00*	*07/30/11 12:09*	*1.03*
13C-OCDD	*74*		*40 - 135*	*07/28/11 09:00*	*07/30/11 12:09*	*1.03*
13C-2,3,7,8-TCDF	*89*		*40 - 135*	*07/28/11 09:00*	*07/30/11 12:09*	*1.03*
13C-2,3,7,8-TCDF	*89*		*40 - 135*	*07/28/11 09:00*	*07/30/11 12:09*	*1.03*
13C-1,2,3,7,8-PeCDF	*85*		*40 - 135*	*07/28/11 09:00*	*07/30/11 12:09*	*1.03*
13C-1,2,3,7,8-PeCDF	*85*		*40 - 135*	*07/28/11 09:00*	*07/30/11 12:09*	*1.03*
13C-1,2,3,4,7,8-HxCDF	*82*		*40 - 135*	*07/28/11 09:00*	*07/30/11 12:09*	*1.03*
13C-1,2,3,4,7,8-HxCDF	*82*		*40 - 135*	*07/28/11 09:00*	*07/30/11 12:09*	*1.03*
13C-1,2,3,4,6,7,8-HpCDF	*73*		*40 - 135*	*07/28/11 09:00*	*07/30/11 12:09*	*1.03*

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.0	U	5.0	2.0	ug/L		08/01/11 08:48	08/06/11 22:58	1
Arsenic	2.5	U	2.5	1.3	ug/L		08/01/11 08:48	08/06/11 22:58	1
Barium	**12**		5.0	1.4	ug/L		08/01/11 08:48	08/06/11 22:58	1
Beryllium	0.50	U	0.50	0.15	ug/L		08/01/11 08:48	08/06/11 22:58	1
Cadmium	0.50	U	0.50	0.13	ug/L		08/01/11 08:48	08/06/11 22:58	1
Chromium	5.0	U	5.0	2.5	ug/L		08/01/11 08:48	08/06/11 22:58	1
Cobalt	0.50	U	0.50	0.12	ug/L		08/01/11 08:48	08/06/11 22:58	1
Copper	**3.2**	**J**	5.0	1.1	ug/L		08/01/11 08:48	08/06/11 22:58	1
Lead	1.5	U	1.5	0.50	ug/L		08/01/11 08:48	08/06/11 22:58	1
Nickel	5.0	U	5.0	2.0	ug/L		08/01/11 08:48	08/06/11 22:58	1
Selenium	2.5	U	2.5	1.1	ug/L		08/01/11 08:48	08/06/11 22:58	1
Silver	1.0	U	1.0	0.18	ug/L		08/01/11 08:48	08/06/11 22:58	1
Thallium	1.0	U	1.0	0.25	ug/L		08/01/11 08:48	08/06/11 22:58	1
Tin	5.0	U	5.0	1.4	ug/L		08/01/11 08:48	08/06/11 22:58	1
Vanadium	10	U	10	3.2	ug/L		08/01/11 08:48	08/06/11 22:58	1
Zinc	20	U	20	8.4	ug/L		08/01/11 08:48	08/06/11 22:58	1

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/26/11

TestAmerica Job ID: 680-70758-1

Client Sample ID: ASH-RSI-072611
Date Collected: 07/26/11 08:57
Date Received: 07/27/11 09:20

Lab Sample ID: 680-70758-3
Matrix: Water

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		08/02/11 09:42	08/02/11 16:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0050	mg/L		08/01/11 07:51	08/02/11 06:49	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	2.3		1.0	1.0	mg/L			07/27/11 14:10	1

8