

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

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

Lab Sample ID: MB 680-210688/9-A						Client Sample ID: Method Blank			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 211110						Prep Batch: 210688			
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Toluidine	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
1,2,4-Trichlorobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
2,4,5-Trichlorophenol	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
2,4,6-Trichlorophenol	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
1,3,5-Trinitrobenzene	<10		10		ug/L		08/02/11 15:02	08/05/11 12:34	1
Surrogate	MB % Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	86		38 - 130				08/02/11 15:02	08/05/11 12:34	1
2-Fluorophenol	78		25 - 130				08/02/11 15:02	08/05/11 12:34	1
Nitrobenzene-d5	87		39 - 130				08/02/11 15:02	08/05/11 12:34	1
Phenol-d5	75		25 - 130				08/02/11 15:02	08/05/11 12:34	1
Terphenyl-d14	101		10 - 143				08/02/11 15:02	08/05/11 12:34	1
2,4,6-Tribromophenol	91		31 - 141				08/02/11 15:02	08/05/11 12:34	1

Lab Sample ID: LCS 680-210688/10-A						Client Sample ID: Lab Control Sample			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 210976						Prep Batch: 210688			
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	Limits		
Acenaphthene	100	84.4		ug/L		84	55 - 130		
Acenaphthylene	100	88.0		ug/L		88	60 - 130		
Acetophenone	100	84.6		ug/L		85	54 - 130		
Aniline	100	73.3		ug/L		73	10 - 130		
Anthracene	100	89.9		ug/L		90	61 - 130		
Benzo[a]anthracene	100	93.5		ug/L		93	58 - 130		
Benzo[a]pyrene	100	94.8		ug/L		95	61 - 130		
Benzo[b]fluoranthene	100	80.9		ug/L		81	51 - 130		
Benzo[g,h,i]perylene	100	85.1		ug/L		85	54 - 130		
Benzo[k]fluoranthene	100	86.0		ug/L		86	53 - 130		
Benzyl alcohol	100	84.6		ug/L		85	53 - 130		
1,1'-Biphenyl	100	91.2		ug/L		91	54 - 130		
Bis(2-chloroethoxy)methane	100	94.2		ug/L		94	64 - 130		
Bis(2-chloroethyl)ether	100	83.5		ug/L		83	56 - 130		
bis(chloroisopropyl) ether	100	86.6		ug/L		87	55 - 130		
Bis(2-ethylhexyl) phthalate	100	98.6		ug/L		99	62 - 130		
4-Bromophenyl phenyl ether	100	96.0		ug/L		96	61 - 130		
Butyl benzyl phthalate	100	102		ug/L		102	66 - 130		
4-Chloroaniline	100	73.6		ug/L		74	42 - 130		
4-Chloro-3-methylphenol	100	96.5		ug/L		97	60 - 130		
2-Chloronaphthalene	100	83.5		ug/L		84	53 - 130		
2-Chlorophenol	100	78.7		ug/L		79	57 - 130		
4-Chlorophenyl phenyl ether	100	94.9		ug/L		95	57 - 130		
Chrysene	100	91.4		ug/L		91	59 - 130		
Dibenz(a,h)anthracene	100	88.0		ug/L		88	55 - 130		
Dibenzofuran	100	86.9		ug/L		87	58 - 130		
1,2-Dichlorobenzene	100	70.4		ug/L		70	43 - 130		
1,3-Dichlorobenzene	100	67.7		ug/L		68	41 - 130		
1,4-Dichlorobenzene	100	68.5		ug/L		68	43 - 130		
3,3'-Dichlorobenzidine	100	72.5		ug/L		72	27 - 130		

QC Sample Results

Client: Ashland Inc
 Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

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

Lab Sample ID: LCS 680-210688/10-A
 Matrix: Water
 Analysis Batch: 210976

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 210688

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
2,4-Dichlorophenol	100	84.8		ug/L		85	54 - 130
Diethyl phthalate	100	96.7		ug/L		97	70 - 130
2,4-Dimethylphenol	100	75.5		ug/L		76	40 - 130
Dimethyl phthalate	100	95.7		ug/L		96	69 - 130
Di-n-butyl phthalate	100	103		ug/L		103	66 - 130
4,6-Dinitro-2-methylphenol	100	95.4		ug/L		95	45 - 134
2,4-Dinitrophenol	100	109		ug/L		109	20 - 165
2,4-Dinitrotoluene	100	87.5		ug/L		87	63 - 130
2,6-Dinitrotoluene	100	97.9		ug/L		98	65 - 130
Di-n-octyl phthalate	100	103		ug/L		103	64 - 130
1,4-Dioxane	100	55.2		ug/L		55	35 - 130
Fluoranthene	100	93.6		ug/L		94	56 - 130
Fluorene	100	89.0		ug/L		89	61 - 130
Hexachlorobenzene	100	83.8		ug/L		84	52 - 130
Hexachlorobutadiene	100	79.2		ug/L		79	36 - 130
Hexachlorocyclopentadiene	100	29.4		ug/L		29	10 - 130
Hexachloroethane	100	64.2		ug/L		64	39 - 130
Indeno[1,2,3-cd]pyrene	100	104		ug/L		104	47 - 130
Isophorone	100	83.1		ug/L		83	59 - 130
2-Methylnaphthalene	100	87.1		ug/L		87	52 - 130
2-Methylphenol	100	82.4		ug/L		82	55 - 130
3 & 4 Methylphenol	100	84.4		ug/L		84	35 - 130
Naphthalene	100	80.0		ug/L		80	50 - 130
2-Nitroaniline	100	83.8		ug/L		84	60 - 130
3-Nitroaniline	100	85.3		ug/L		85	54 - 130
4-Nitroaniline	100	89.8		ug/L		90	54 - 130
Nitrobenzene	100	80.9		ug/L		81	56 - 130
2-Nitrophenol	100	90.9		ug/L		91	54 - 130
4-Nitrophenol	100	92.0		ug/L		92	38 - 130
N-Nitrosodimethylamine	100	75.9		ug/L		76	54 - 130
N-Nitrosodi-n-propylamine	100	92.0		ug/L		92	64 - 130
N-Nitrosodiphenylamine	100	90.6		ug/L		91	68 - 130
Pentachlorophenol	100	95.8		ug/L		96	42 - 138
Phenanthrene	100	91.9		ug/L		92	62 - 130
Phenol	100	80.1		ug/L		80	29 - 130
Pyrene	100	97.1		ug/L		97	60 - 130
Pyridine	100	61.5		ug/L		61	10 - 130
1,2,4-Trichlorobenzene	100	74.0		ug/L		74	42 - 130
2,4,5-Trichlorophenol	100	94.1		ug/L		94	61 - 130
2,4,6-Trichlorophenol	100	87.6		ug/L		88	57 - 130

Surrogate	LCS		Limits
	% Recovery	Qualifier	
2-Fluorobiphenyl	85		38 - 130
2-Fluorophenol	73		25 - 130
Nitrobenzene-d5	83		39 - 130
Phenol-d5	81		25 - 130
Terphenyl-d14	91		10 - 143
2,4,6-Tribromophenol	98		31 - 141

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Lab Sample ID: LCS 680-210688/16-A							
Matrix: Water							
Analysis Batch: 211110							
							Client Sample ID: Lab Control Sample
							Prep Type: Total/NA
							Prep Batch: 210688
2-Acetylaminofluorene	100	110		ug/L		110	63 - 130
alpha,alpha-Dimethyl phenethylamine	100	<2000		ug/L		190	10 - 200
4-Aminobiphenyl	100	25.8		ug/L		26	10 - 130
Aramite, Total	100	123		ug/L		123	12 - 181
Diallate	100	65.8		ug/L		66	45 - 130
2,6-Dichlorophenol	100	95.8		ug/L		96	55 - 130
Dimethoate	100	40.6 *		ug/L		41	64 - 130
7,12-Dimethylbenz(a)anthracene	100	83.3		ug/L		83	57 - 130
3,3'-Dimethylbenzidine	250	137		ug/L		55	10 - 130
1,3-Dinitrobenzene	100	92.9		ug/L		93	61 - 130
Dinoseb	100	91.8		ug/L		92	70 - 138
Disulfoton	100	60.5 *		ug/L		60	65 - 130
Ethyl methanesulfonate	100	51.5		ug/L		51	10 - 156
Ethyl Parathion	100	94.9		ug/L		95	67 - 153
Famphur	100	<10 *		ug/L		8	10 - 130
Hexachlorophene	500	<5000 E		ug/L		58	10 - 130
Hexachloropropene	100	58.8		ug/L		59	10 - 130
Isosafrole	100	100		ug/L		100	54 - 130
Methapyrilene	500	<2000 E		ug/L		59	10 - 155
3-Methylcholanthrene	100	26.2		ug/L		26	10 - 148
Methyl methanesulfonate	100	39.3		ug/L		39	10 - 130
Methyl parathion	100	57.2 *		ug/L		57	65 - 148
1,4-Naphthoquinone	100	17.5		ug/L		17	10 - 132
1-Naphthylamine	100	57.2		ug/L		57	28 - 130
2-Naphthylamine	100	38.9		ug/L		39	10 - 130
4-Nitroquinoline-1-oxide	100	110		ug/L		110	10 - 146
N-Nitro-o-toluidine	100	71.0		ug/L		71	46 - 130
N-Nitrosodiethylamine	100	72.5		ug/L		72	37 - 130
N-Nitrosodi-n-butylamine	100	91.5		ug/L		92	40 - 130
N-Nitrosomethylethylamine	100	67.2		ug/L		67	22 - 130
N-Nitrosomorpholine	100	99.1		ug/L		99	25 - 130
N-Nitrosopiperidine	100	83.5		ug/L		84	55 - 130
N-Nitrosopyrrolidine	100	86.0		ug/L		86	36 - 130
o,o',o"-Triethylphosphorothioate	100	94.7		ug/L		95	18 - 139
p-Dimethylamino azobenzene	100	83.7		ug/L		84	49 - 130
Pentachlorobenzene	100	104		ug/L		104	60 - 130
Pentachloronitrobenzene	100	113		ug/L		113	70 - 130
Phenacetin	100	91.9		ug/L		92	47 - 130
Phorate	100	72.0		ug/L		72	52 - 156
2-Picoline	100	55.1		ug/L		55	10 - 130
p-Phenylene diamine	500	<2000		ug/L		36	10 - 130
Pronamide	100	105		ug/L		105	70 - 130
Safrole, Total	100	101		ug/L		101	54 - 130
Sulfotepp	100	92.4		ug/L		92	65 - 130
1,2,4,5-Tetrachlorobenzene	100	89.2		ug/L		89	51 - 130
2,3,4,6-Tetrachlorophenol	100	115		ug/L		115	64 - 130
Thionazin	100	82.9		ug/L		83	70 - 130
2-Toluidine	100	62.3		ug/L		62	22 - 130
1,3,5-Trinitrobenzene	100	52.4		ug/L		52	21 - 165

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

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

Lab Sample ID: LCS 680-210688/16-A
Matrix: Water
Analysis Batch: 211110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 210688

Surrogate	LCS % Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	74		38 - 130
2-Fluorophenol	67		25 - 130
Nitrobenzene-d5	79		39 - 130
Phenol-d5	69		25 - 130
Terphenyl-d14	91		10 - 143
2,4,6-Tribromophenol	91		31 - 141

Lab Sample ID: 680-70818-5 MS
Matrix: Water
Analysis Batch: 210976

Client Sample ID: ASH-MW12-072711
Prep Type: Total/NA
Prep Batch: 210688

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Acenaphthene	<12		99.7	80.1		ug/L		80	55 - 130
Acenaphthylene	<12		99.7	80.6		ug/L		81	60 - 130
Acetophenone	<12		99.7	79.8		ug/L		80	54 - 130
Aniline	<25		99.7	58.6		ug/L		59	10 - 130
Anthracene	<12		99.7	83.5		ug/L		84	61 - 130
Benzo[a]anthracene	<12		99.7	89.7		ug/L		90	58 - 130
Benzo[a]pyrene	<12		99.7	92.2		ug/L		92	61 - 130
Benzo[b]fluoranthene	<12		99.7	79.5		ug/L		80	51 - 130
Benzo[g,h,i]perylene	<12		99.7	83.8		ug/L		84	54 - 130
Benzo[k]fluoranthene	<12		99.7	84.9		ug/L		85	53 - 130
Benzyl alcohol	<12		99.7	78.0		ug/L		78	53 - 130
1,1'-Biphenyl	<12		99.7	84.5		ug/L		85	54 - 130
Bis(2-chloroethoxy)methane	<12		99.7	84.7		ug/L		85	64 - 130
Bis(2-chloroethyl)ether	<12		99.7	80.0		ug/L		80	56 - 130
bis(chloroisopropyl) ether	<12		99.7	81.5		ug/L		82	55 - 130
Bis(2-ethylhexyl) phthalate	<12		99.7	95.2		ug/L		96	62 - 130
4-Bromophenyl phenyl ether	<12		99.7	89.0		ug/L		89	61 - 130
Butyl benzyl phthalate	<12		99.7	97.4		ug/L		98	66 - 130
4-Chloroaniline	<25		99.7	36.7	F	ug/L		37	42 - 130
4-Chloro-3-methylphenol	<12		99.7	90.1		ug/L		90	60 - 130
2-Chloronaphthalene	<12		99.7	76.8		ug/L		77	53 - 130
2-Chlorophenol	<12		99.7	74.7		ug/L		75	57 - 130
4-Chlorophenyl phenyl ether	<12		99.7	87.3		ug/L		88	57 - 130
Chrysene	<12		99.7	89.4		ug/L		90	59 - 130
Dibenz(a,h)anthracene	<12		99.7	86.9		ug/L		87	55 - 130
Dibenzofuran	<12		99.7	80.5		ug/L		81	58 - 130
1,2-Dichlorobenzene	<12		99.7	62.5		ug/L		63	43 - 130
1,3-Dichlorobenzene	<12		99.7	59.5		ug/L		60	41 - 130
1,4-Dichlorobenzene	<12		99.7	60.6		ug/L		61	43 - 130
3,3'-Dichlorobenzidine	<75		99.7	<60	F	ug/L		0	27 - 130
2,4-Dichlorophenol	<12		99.7	80.4		ug/L		81	54 - 130
Diethyl phthalate	<12		99.7	89.2		ug/L		89	70 - 130
2,4-Dimethylphenol	<12		99.7	79.0		ug/L		79	40 - 130
Dimethyl phthalate	<12		99.7	87.6		ug/L		88	69 - 130
Di-n-butyl phthalate	<12		99.7	96.8		ug/L		97	66 - 130
4,6-Dinitro-2-methylphenol	<62		99.7	97.2		ug/L		97	45 - 134
2,4-Dinitrophenol	<62		99.7	114		ug/L		114	20 - 165

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

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

Lab Sample ID: 680-70818-5 MS

Matrix: Water

Analysis Batch: 210976

Client Sample ID: ASH-MW12-072711

Prep Type: Total/NA

Prep Batch: 210688

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	% Rec	% Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
2,4-Dinitrotoluene	<12		99.7	83.7		ug/L		84	63 - 130	
2,6-Dinitrotoluene	<12		99.7	92.5		ug/L		93	65 - 130	
Di-n-octyl phthalate	<12		99.7	98.4		ug/L		99	64 - 130	
1,4-Dioxane	<12		99.7	53.0		ug/L		53	35 - 130	
Fluoranthene	<12		99.7	87.8		ug/L		88	56 - 130	
Fluorene	<12		99.7	82.1		ug/L		82	61 - 130	
Hexachlorobenzene	<12		99.7	78.5		ug/L		79	52 - 130	
Hexachlorobutadiene	<12		99.7	68.3		ug/L		68	36 - 130	
Hexachlorocyclopentadiene	<12		99.7	26.4		ug/L		26	10 - 130	
Hexachloroethane	<12		99.7	56.2		ug/L		56	39 - 130	
Indeno[1,2,3-cd]pyrene	<12		99.7	101		ug/L		101	47 - 130	
Isophorone	<12		99.7	77.0		ug/L		77	59 - 130	
2-Methylnaphthalene	<12		99.7	78.8		ug/L		79	52 - 130	
2-Methylphenol	<12		99.7	79.6		ug/L		80	55 - 130	
3 & 4 Methylphenol	<12		99.7	81.2		ug/L		81	35 - 130	
Naphthalene	<12		99.7	73.6		ug/L		74	50 - 130	
2-Nitroaniline	<62		99.7	76.9		ug/L		77	60 - 130	
3-Nitroaniline	<62		99.7	<50	F	ug/L		47	54 - 130	
4-Nitroaniline	<62		99.7	63.7		ug/L		64	54 - 130	
Nitrobenzene	<12		99.7	78.5		ug/L		79	56 - 130	
2-Nitrophenol	<12		99.7	87.0		ug/L		87	54 - 130	
4-Nitrophenol	<62		99.7	87.5		ug/L		88	38 - 130	
N-Nitrosodimethylamine	<12		99.7	73.6		ug/L		74	54 - 130	
N-Nitrosodi-n-propylamine	<12		99.7	86.4		ug/L		87	64 - 130	
N-Nitrosodiphenylamine	<12		99.7	76.3		ug/L		77	68 - 130	
Pentachlorophenol	<62		99.7	94.2		ug/L		94	42 - 138	
Phenanthrene	<12		99.7	85.8		ug/L		86	62 - 130	
Phenol	<12		99.7	73.0		ug/L		73	29 - 130	
Pyrene	<12		99.7	93.5		ug/L		94	60 - 130	
Pyridine	<62		99.7	55.9		ug/L		56	10 - 130	
1,2,4-Trichlorobenzene	<12		99.7	65.9		ug/L		66	42 - 130	
2,4,5-Trichlorophenol	<12		99.7	87.9		ug/L		88	61 - 130	
2,4,6-Trichlorophenol	<12		99.7	84.2		ug/L		84	57 - 130	

Surrogate	MS MS		Limits
	% Recovery	Qualifier	
2-Fluorobiphenyl	79		38 - 130
2-Fluorophenol	68		25 - 130
Nitrobenzene-d5	81		39 - 130
Phenol-d5	74		25 - 130
Terphenyl-d14	87		10 - 143
2,4,6-Tribromophenol	93		31 - 141

Lab Sample ID: 680-70818-5 MSD

Matrix: Water

Analysis Batch: 210976

Client Sample ID: ASH-MW12-072711

Prep Type: Total/NA

Prep Batch: 210688

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.	Limits	RPD	
	Result	Qualifier	Added	Result	Qualifier						RPD	Limit
Acenaphthene	<12		112	74.2		ug/L		66	55 - 130	8	50	
Acenaphthylene	<12		112	67.5		ug/L		60	60 - 130	18	50	

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

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

Lab Sample ID: 680-70818-5 MSD

Matrix: Water

Analysis Batch: 210976

Client Sample ID: ASH-MW12-072711

Prep Type: Total/NA

Prep Batch: 210688

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Acetophenone	<12		112	67.5		ug/L		60	54 - 130	17	50	
Aniline	<25		112	54.7		ug/L		49	10 - 130	7	50	
Anthracene	<12		112	85.5		ug/L		77	61 - 130	2	50	
Benzo[a]anthracene	<12		112	91.4		ug/L		82	58 - 130	2	50	
Benzo[a]pyrene	<12		112	96.0		ug/L		86	61 - 130	4	50	
Benzo[b]fluoranthene	<12		112	90.8		ug/L		81	51 - 130	13	50	
Benzo[g,h,i]perylene	<12		112	89.5		ug/L		80	54 - 130	6	50	
Benzo[k]fluoranthene	<12		112	85.5		ug/L		77	53 - 130	1	50	
Benzyl alcohol	<12		112	62.2		ug/L		56	53 - 130	23	50	
1,1'-Biphenyl	<12		112	76.1		ug/L		68	54 - 130	10	50	
Bis(2-chloroethoxy)methane	<12		112	49.1	F	ug/L		44	64 - 130	53	50	
Bis(2-chloroethyl)ether	<12		112	63.2		ug/L		57	56 - 130	23	50	
bis(chloroisopropyl) ether	<12		112	64.9		ug/L		58	55 - 130	23	50	
Bis(2-ethylhexyl) phthalate	<12		112	97.7		ug/L		87	62 - 130	3	50	
4-Bromophenyl phenyl ether	<12		112	88.6		ug/L		79	61 - 130	0	50	
Butyl benzyl phthalate	<12		112	100		ug/L		90	66 - 130	3	50	
4-Chloroaniline	<25		112	29.0	F	ug/L		26	42 - 130	23	50	
4-Chloro-3-methylphenol	<12		112	87.8		ug/L		79	60 - 130	3	50	
2-Chloronaphthalene	<12		112	68.2		ug/L		61	53 - 130	12	50	
2-Chlorophenol	<12		112	60.2	F	ug/L		54	57 - 130	22	50	
4-Chlorophenyl phenyl ether	<12		112	84.8		ug/L		76	57 - 130	3	50	
Chrysene	<12		112	92.4		ug/L		83	59 - 130	3	50	
Dibenz(a,h)anthracene	<12		112	93.8		ug/L		84	55 - 130	8	50	
Dibenzofuran	<12		112	77.0		ug/L		69	58 - 130	4	50	
1,2-Dichlorobenzene	<12		112	53.1		ug/L		48	43 - 130	16	50	
1,3-Dichlorobenzene	<12		112	51.3		ug/L		46	41 - 130	15	50	
1,4-Dichlorobenzene	<12		112	50.8		ug/L		45	43 - 130	18	50	
3,3'-Dichlorobenzidine	<75		112	<67	F	ug/L		0	27 - 130	NC	50	
2,4-Dichlorophenol	<12		112	71.1		ug/L		64	54 - 130	12	50	
Diethyl phthalate	<12		112	91.5		ug/L		82	70 - 130	2	50	
2,4-Dimethylphenol	<12		112	70.9		ug/L		63	40 - 130	11	50	
Dimethyl phthalate	<12		112	86.8		ug/L		78	69 - 130	1	50	
Di-n-butyl phthalate	<12		112	99.9		ug/L		89	66 - 130	3	50	
4,6-Dinitro-2-methylphenol	<62		112	102		ug/L		91	45 - 134	5	50	
2,4-Dinitrophenol	<62		112	118		ug/L		106	20 - 165	4	50	
2,4-Dinitrotoluene	<12		112	86.5		ug/L		77	63 - 130	3	50	
2,6-Dinitrotoluene	<12		112	93.4		ug/L		84	65 - 130	1	50	
Di-n-octyl phthalate	<12		112	100		ug/L		90	64 - 130	2	50	
1,4-Dioxane	<12		112	47.4		ug/L		42	35 - 130	11	50	
Fluoranthene	<12		112	93.9		ug/L		84	56 - 130	7	50	
Fluorene	<12		112	83.1		ug/L		74	61 - 130	1	50	
Hexachlorobenzene	<12		112	80.8		ug/L		72	52 - 130	3	50	
Hexachlorobutadiene	<12		112	59.0		ug/L		53	36 - 130	15	50	
Hexachlorocyclopentadiene	<12		112	24.5		ug/L		22	10 - 130	8	50	
Hexachloroethane	<12		112	47.2		ug/L		42	39 - 130	17	50	
Indeno[1,2,3-cd]pyrene	<12		112	105		ug/L		94	47 - 130	4	50	
Isophorone	<12		112	66.3		ug/L		59	59 - 130	15	50	
2-Methylnaphthalene	<12		112	68.9		ug/L		62	52 - 130	13	50	
2-Methylphenol	<12		112	65.7		ug/L		59	55 - 130	19	50	
3 & 4 Methylphenol	<12		112	68.5		ug/L		61	35 - 130	17	50	

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

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

Lab Sample ID: 680-70818-5 MSD
Matrix: Water
Analysis Batch: 210976

Client Sample ID: ASH-MW12-072711
Prep Type: Total/NA
Prep Batch: 210688

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.		RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
Naphthalene	<12		112	63.6		ug/L		57	50 - 130	15	50
2-Nitroaniline	<62		112	72.8		ug/L		65	60 - 130	5	50
3-Nitroaniline	<62		112	<56	F	ug/L		14	54 - 130	101	50
4-Nitroaniline	<62		112	<56	F	ug/L		28	54 - 130	67	50
Nitrobenzene	<12		112	65.6		ug/L		59	56 - 130	18	50
2-Nitrophenol	<12		112	71.6		ug/L		64	54 - 130	19	50
4-Nitrophenol	<62		112	91.3		ug/L		82	38 - 130	4	50
N-Nitrosodimethylamine	<12		112	59.6	F	ug/L		53	54 - 130	21	50
N-Nitrosodi-n-propylamine	<12		112	69.9	F	ug/L		63	64 - 130	21	50
N-Nitrosodiphenylamine	<12		112	58.7	F	ug/L		53	68 - 130	26	50
Pentachlorophenol	<62		112	97.3		ug/L		87	42 - 138	3	50
Phenanthrene	<12		112	89.1		ug/L		80	62 - 130	4	50
Phenol	<12		112	60.6		ug/L		54	29 - 130	19	50
Pyrene	<12		112	96.6		ug/L		86	60 - 130	3	50
Pyridine	<62		112	<56		ug/L		47	10 - 130	6	50
1,2,4-Trichlorobenzene	<12		112	56.5		ug/L		51	42 - 130	15	50
2,4,5-Trichlorophenol	<12		112	87.2		ug/L		78	61 - 130	1	50
2,4,6-Trichlorophenol	<12		112	76.8		ug/L		69	57 - 130	9	50

Surrogate	MSD		Limits
	% Recovery	Qualifier	
2-Fluorobiphenyl	63		38 - 130
2-Fluorophenol	50		25 - 130
Nitrobenzene-d5	62		39 - 130
Phenol-d5	55		25 - 130
Terphenyl-d14	82		10 - 143
2,4,6-Tribromophenol	89		31 - 141

Lab Sample ID: 680-70818-6 MS
Matrix: Water
Analysis Batch: 211110

Client Sample ID: ASH-MW02-072711
Prep Type: Total/NA
Prep Batch: 210688

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	% Rec	% Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	Limit
2-Acetylaminofluorene	<9.9		99.6	100		ug/L		101	63 - 130	
alpha,alpha-Dimethylphenethylamine	<2000		99.6	<2000		ug/L		51	10 - 200	
4-Aminobiphenyl	<9.9		99.6	16.7		ug/L		17	10 - 130	
Aramite, Total	<9.9		99.6	30.5		ug/L		31	12 - 181	
Diallate	<9.9		99.6	51.6		ug/L		52	45 - 130	
2,6-Dichlorophenol	<9.9		99.6	74.4		ug/L		75	55 - 130	
Dimethoate	<9.9	*	99.6	51.4	F	ug/L		52	64 - 130	
7,12-Dimethylbenz(a)anthracene	<9.9		99.6	34.0	F	ug/L		34	57 - 130	
3,3'-Dimethylbenzidine	<20		249	32.8		ug/L		13	10 - 130	
1,3-Dinitrobenzene	<9.9		99.6	74.8		ug/L		75	61 - 130	
Dinoseb	<9.9		99.6	67.2	F	ug/L		67	70 - 138	
Disulfoton	<9.9	*	99.6	43.5	F	ug/L		44	65 - 130	
Ethyl methanesulfonate	<9.9		99.6	29.0		ug/L		29	10 - 156	
Ethyl Parathion	<9.9		99.6	78.9		ug/L		79	67 - 153	
Famphur	<9.9	*	99.6	62.6		ug/L		63	10 - 130	
Hexachlorophene	<4900		498	<5000	E	ug/L		55	10 - 130	
Hexachloropropene	<9.9		99.6	30.9		ug/L		31	10 - 130	

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

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

Lab Sample ID: 680-70818-6 MS
Matrix: Water
Analysis Batch: 211110

Client Sample ID: ASH-MW02-072711
Prep Type: Total/NA
Prep Batch: 210688

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	% Rec	% Rec.
	Result	Qualifier	Added	Result	Qualifier				
Isosafrole	<9.9		99.6	35.2	F	ug/L		35	54 - 130
Methapyriene	<2000		498	<2000		ug/L		25	10 - 155
3-Methylcholanthrene	<9.9		99.6	10.9		ug/L		11	10 - 148
Methyl methanesulfonate	<9.9		99.6	28.7		ug/L		29	10 - 130
Methyl parathion	<9.9		99.6	65.1		ug/L		65	65 - 148
1,4-Naphthoquinone	<9.9		99.6	40.5		ug/L		41	10 - 132
1-Naphthylamine	<9.9		99.6	12.0	F	ug/L		12	28 - 130
2-Naphthylamine	<9.9		99.6	17.3		ug/L		17	10 - 130
4-Nitroquinoline-1-oxide	<20		99.6	84.8		ug/L		85	10 - 146
N-Nitro-o-toluidine	<9.9		99.6	23.7	F	ug/L		24	46 - 130
N-Nitrosodiethylamine	<9.9		99.6	56.5		ug/L		57	37 - 130
N-Nitrosodi-n-butylamine	<9.9		99.6	65.5		ug/L		66	40 - 130
N-Nitrosomethylethylamine	<9.9		99.6	52.6		ug/L		53	22 - 130
N-Nitrosomorpholine	<9.9		99.6	72.9		ug/L		73	25 - 130
N-Nitrosopiperidine	<9.9		99.6	59.4		ug/L		60	55 - 130
N-Nitrosopyrrolidine	<9.9		99.6	55.3		ug/L		56	36 - 130
o,o',o"-Triethylphosphorothioate	<9.9		99.6	67.2		ug/L		67	18 - 139
p-Dimethylamino azobenzene	<9.9		99.6	48.2	F	ug/L		48	49 - 130
Pentachlorobenzene	<9.9		99.6	86.6		ug/L		87	60 - 130
Pentachloronitrobenzene	<9.9		99.6	93.7		ug/L		94	70 - 130
Phenacetin	<9.9		99.6	73.1		ug/L		73	47 - 130
Phorate	<9.9		99.6	48.9	F	ug/L		49	52 - 156
2-Picoline	<9.9		99.6	47.8		ug/L		48	10 - 130
p-Phenylene diamine	<2000		498	<2000	F	ug/L		0	10 - 130
Pronamide	<9.9		99.6	57.7	F	ug/L		58	70 - 130
Safrole, Total	<9.9		99.6	74.7		ug/L		75	54 - 130
Sulfotepp	<9.9		99.6	71.9		ug/L		72	65 - 130
1,2,4,5-Tetrachlorobenzene	<9.9		99.6	76.6		ug/L		77	51 - 130
2,3,4,6-Tetrachlorophenol	<9.9		99.6	95.0		ug/L		95	64 - 130
Thionazin	<9.9		99.6	56.0	F	ug/L		56	70 - 130
2-Toluidine	<9.9		99.6	47.9		ug/L		48	22 - 130
1,3,5-Trinitrobenzene	<9.9		99.6	47.2		ug/L		47	21 - 165

Surrogate	MS MS		Limits
	% Recovery	Qualifier	
2-Fluorobiphenyl	62		38 - 130
2-Fluorophenol	52		25 - 130
Nitrobenzene-d5	59		39 - 130
Phenol-d5	45		25 - 130
Terphenyl-d14	65		10 - 143
2,4,6-Tribromophenol	77		31 - 141

Lab Sample ID: 680-70818-6 MSD
Matrix: Water
Analysis Batch: 211110

Client Sample ID: ASH-MW02-072711
Prep Type: Total/NA
Prep Batch: 210688

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.		RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	
2-Acetylaminofluorene	<9.9		97.3	106		ug/L		109	63 - 130	5	50
alpha,alpha-Dimethyl phenethylamine	<2000		97.3	<1900		ug/L		52	10 - 200	1	50
4-Aminobiphenyl	<9.9		97.3	22.2		ug/L		23	10 - 130	28	50

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

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

Lab Sample ID: 680-70818-6 MSD
Matrix: Water
Analysis Batch: 211110

Client Sample ID: ASH-MW02-072711
Prep Type: Total/NA
Prep Batch: 210688

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Aramite, Total	<9.9		97.3	11.4	F	ug/L		12	12 - 181	91	50	
Diallate	<9.9		97.3	59.5		ug/L		61	45 - 130	14	50	
2,6-Dichlorophenol	<9.9		97.3	87.4		ug/L		90	55 - 130	16	50	
Dimethoate	<9.9	*	97.3	46.5	F	ug/L		48	64 - 130	10	50	
7,12-Dimethylbenz(a)anthracene	<9.9		97.3	38.9	F	ug/L		40	57 - 130	13	50	
3,3'-Dimethylbenzidine	<20		243	47.7		ug/L		20	10 - 130	37	50	
1,3-Dinitrobenzene	<9.9		97.3	86.0		ug/L		88	61 - 130	14	50	
Dinoseb	<9.9		97.3	81.1		ug/L		83	70 - 138	19	50	
Disulfoton	<9.9	*	97.3	50.0	F	ug/L		51	65 - 130	14	50	
Ethyl methanesulfonate	<9.9		97.3	33.4		ug/L		34	10 - 156	14	50	
Ethyl Parathion	<9.9		97.3	89.2		ug/L		92	67 - 153	12	50	
Famphur	<9.9	*	97.3	35.4	F	ug/L		36	10 - 130	56	50	
Hexachlorophene	<4900		487	<4900	E	ug/L		71	10 - 130	22	50	
Hexachloropropene	<9.9		97.3	35.0		ug/L		36	10 - 130	13	50	
Isosafrole	<9.9		97.3	18.1	F	ug/L		19	54 - 130	64	50	
Methapyrilene	<2000		487	<1900		ug/L		38	10 - 155	41	50	
3-Methylcholanthrene	<9.9		97.3	12.5		ug/L		13	10 - 148	14	50	
Methyl methanesulfonate	<9.9		97.3	33.4		ug/L		34	10 - 130	15	50	
Methyl parathion	<9.9	*	97.3	72.9		ug/L		75	65 - 148	11	50	
1,4-Naphthoquinone	<9.9		97.3	26.3		ug/L		27	10 - 132	43	50	
1-Naphthylamine	<9.9		97.3	13.3	F	ug/L		14	28 - 130	11	50	
2-Naphthylamine	<9.9		97.3	16.1		ug/L		16	10 - 130	8	50	
4-Nitroquinoline-1-oxide	<20		97.3	87.3		ug/L		90	10 - 146	3	50	
N-Nitro-o-toluidine	<9.9		97.3	13.4	F	ug/L		14	46 - 130	56	50	
N-Nitrosodiethylamine	<9.9		97.3	60.1		ug/L		62	37 - 130	6	50	
N-Nitrosodi-n-butylamine	<9.9		97.3	74.5		ug/L		77	40 - 130	13	50	
N-Nitrosomethylethylamine	<9.9		97.3	50.2		ug/L		52	22 - 130	5	50	
N-Nitrosomorpholine	<9.9		97.3	76.5		ug/L		79	25 - 130	5	50	
N-Nitrosopiperidine	<9.9		97.3	56.7		ug/L		58	55 - 130	5	50	
N-Nitrosopyrrolidine	<9.9		97.3	53.7		ug/L		55	36 - 130	3	50	
o,o',o"-Triethylphosphorothioate	<9.9		97.3	78.2		ug/L		80	18 - 139	15	50	
p-Dimethylamino azobenzene	<9.9		97.3	19.0	F	ug/L		19	49 - 130	87	50	
Pentachlorobenzene	<9.9		97.3	96.9		ug/L		100	60 - 130	11	50	
Pentachloronitrobenzene	<9.9		97.3	104		ug/L		107	70 - 130	10	50	
Phenacetin	<9.9		97.3	77.4		ug/L		80	47 - 130	6	50	
Phorate	<9.9		97.3	47.5	F	ug/L		49	52 - 156	3	50	
2-Picoline	<9.9		97.3	54.4		ug/L		56	10 - 130	13	50	
p-Phenylene diamine	<2000		487	<1900	F	ug/L		3	10 - 130	NC	50	
Pronamide	<9.9		97.3	45.1	F	ug/L		46	70 - 130	24	50	
Safrole, Total	<9.9		97.3	87.1		ug/L		90	54 - 130	15	50	
Sulfotepp	<9.9		97.3	79.9		ug/L		82	65 - 130	10	50	
1,2,4,5-Tetrachlorobenzene	<9.9		97.3	84.7		ug/L		87	51 - 130	10	50	
2,3,4,6-Tetrachlorophenol	<9.9		97.3	107		ug/L		109	64 - 130	11	50	
Thionazin	<9.9		97.3	54.0	F	ug/L		55	70 - 130	4	50	
2-Toluidine	<9.9		97.3	51.8		ug/L		53	22 - 130	8	50	
1,3,5-Trinitrobenzene	<9.9		97.3	54.3		ug/L		56	21 - 165	14	50	

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Surrogate	MSD	MSD	Limits
	% Recovery	Qualifier	
2-Fluorobiphenyl	69		38 - 130

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

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

Lab Sample ID: 680-70818-6 MSD
Matrix: Water
Analysis Batch: 211110

Client Sample ID: ASH-MW02-072711
Prep Type: Total/NA
Prep Batch: 210688

Surrogate	MSD MSD		Limits
	% Recovery	Qualifier	
2-Fluorophenol	55		25 - 130
Nitrobenzene-d5	69		39 - 130
Phenol-d5	55		25 - 130
Terphenyl-d14	80		10 - 143
2,4,6-Tribromophenol	87		31 - 141

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

Lab Sample ID: MB 680-210403/9-A
Matrix: Water
Analysis Batch: 212311

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 210403

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 03:53	1
alpha-BHC	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 03:53	1
beta-BHC	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 03:53	1
Chlordane (technical)	<0.50		0.50		ug/L		07/29/11 14:35	08/08/11 03:53	1
Chlorobenzilate	<0.50		0.50		ug/L		07/29/11 14:35	08/08/11 03:53	1
4,4'-DDD	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 03:53	1
4,4'-DDE	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 03:53	1
4,4'-DDT	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 03:53	1
delta-BHC	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 03:53	1
Dieldrin	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 03:53	1
Endosulfan I	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 03:53	1
Endosulfan II	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 03:53	1
Endosulfan sulfate	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 03:53	1
Endrin	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 03:53	1
Endrin aldehyde	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 03:53	1
Endrin ketone	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 03:53	1
gamma-BHC (Lindane)	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 03:53	1
Heptachlor	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 03:53	1
Heptachlor epoxide	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 03:53	1
Isodrin	<0.050		0.050		ug/L		07/29/11 14:35	08/08/11 03:53	1
Kepone	<1.0		1.0		ug/L		07/29/11 14:35	08/08/11 03:53	1
Methoxychlor	<0.10		0.10		ug/L		07/29/11 14:35	08/08/11 03:53	1
Toxaphene	<5.0		5.0		ug/L		07/29/11 14:35	08/08/11 03:53	1
PCB-1016	<1.0		1.0		ug/L		07/29/11 14:35	08/08/11 03:53	1
PCB-1221	<2.0		2.0		ug/L		07/29/11 14:35	08/08/11 03:53	1
PCB-1232	<1.0		1.0		ug/L		07/29/11 14:35	08/08/11 03:53	1
PCB-1242	<1.0		1.0		ug/L		07/29/11 14:35	08/08/11 03:53	1
PCB-1248	<1.0		1.0		ug/L		07/29/11 14:35	08/08/11 03:53	1
PCB-1254	<1.0		1.0		ug/L		07/29/11 14:35	08/08/11 03:53	1
PCB-1260	<1.0		1.0		ug/L		07/29/11 14:35	08/08/11 03:53	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
Tetrachloro-m-xylene	66		36 - 130	07/29/11 14:35	08/08/11 03:53	1
Tetrachloro-m-xylene	68		36 - 130	07/29/11 14:35	08/08/11 03:53	1
DCB Decachlorobiphenyl	65		40 - 130	07/29/11 14:35	08/08/11 03:53	1
DCB Decachlorobiphenyl	53		40 - 130	07/29/11 14:35	08/08/11 03:53	1

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

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

Lab Sample ID: LCS 680-210403/10-A

Matrix: Water

Analysis Batch: 212311

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210403

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Aldrin	0.100	0.0977		ug/L		98	14 - 168
alpha-BHC	0.100	0.0918		ug/L		92	43 - 138
beta-BHC	0.100	0.107		ug/L		107	38 - 158
4,4'-DDD	0.200	0.233		ug/L		116	49 - 144
4,4'-DDE	0.200	0.214		ug/L		107	46 - 144
4,4'-DDT	0.200	0.191		ug/L		95	48 - 166
delta-BHC	0.100	0.104		ug/L		104	23 - 191
Dieldrin	0.200	0.220		ug/L		110	61 - 136
Endosulfan I	0.100	0.105		ug/L		105	52 - 141
Endosulfan II	0.200	0.221		ug/L		110	60 - 140
Endosulfan sulfate	0.200	0.237		ug/L		119	60 - 151
Endrin	0.200	0.209		ug/L		104	66 - 150
Endrin aldehyde	0.200	0.215		ug/L		108	16 - 200
Endrin ketone	0.200	0.228		ug/L		114	55 - 156
gamma-BHC (Lindane)	0.100	0.100		ug/L		100	54 - 134
Heptachlor	0.100	0.119		ug/L		119	10 - 200
Heptachlor epoxide	0.100	0.105		ug/L		105	49 - 142
Methoxychlor	0.200	0.251		ug/L		125	13 - 186

Surrogate	LCS		Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	70		36 - 130
Tetrachloro-m-xylene	73		36 - 130
DCB Decachlorobiphenyl	79		40 - 130
DCB Decachlorobiphenyl	67		40 - 130

Lab Sample ID: LCS 680-210403/13-A

Matrix: Water

Analysis Batch: 212311

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210403

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
PCB-1016	10.0	9.80		ug/L		98	38 - 172
PCB-1260	10.0	11.0		ug/L		110	46 - 138

Surrogate	LCS		Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	73		36 - 130
Tetrachloro-m-xylene	78		36 - 130
DCB Decachlorobiphenyl	85		40 - 130
DCB Decachlorobiphenyl	75		40 - 130

Lab Sample ID: LCS 680-210403/18-A

Matrix: Water

Analysis Batch: 212311

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 210403

Surrogate	LCS		Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	68		36 - 130
Tetrachloro-m-xylene	71		36 - 130
DCB Decachlorobiphenyl	61		40 - 130
DCB Decachlorobiphenyl	49		40 - 130

QC Sample Results

Client: Ashland Inc
 Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

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

Lab Sample ID: LCSD 680-210403/17-A
 Matrix: Water
 Analysis Batch: 212311

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 210403

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD	Limit
							Limits	RPD		
Chlordane (technical)	5.00	6.20		ug/L		124	56 - 144	6	50	

Surrogate	LCSD		Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	70		36 - 130
Tetrachloro-m-xylene	67		36 - 130
DCB Decachlorobiphenyl	78		40 - 130
DCB Decachlorobiphenyl	67		40 - 130

Lab Sample ID: LCSD 680-210403/19-A
 Matrix: Water
 Analysis Batch: 212311

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 210403

Surrogate	LCSD		Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	60		36 - 130
Tetrachloro-m-xylene	63		36 - 130
DCB Decachlorobiphenyl	67		40 - 130
DCB Decachlorobiphenyl	57		40 - 130

Lab Sample ID: 680-70818-5 MS
 Matrix: Water
 Analysis Batch: 212311

Client Sample ID: ASH-MW12-072711
 Prep Type: Total/NA
 Prep Batch: 210403

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	% Rec	% Rec.	
				Result	Qualifier				Limits	RPD
Aldrin	<0.050		0.0986	0.0811		ug/L		82	14 - 168	
alpha-BHC	<0.050		0.0986	0.0825		ug/L		84	43 - 138	
beta-BHC	<0.050		0.0986	0.113		ug/L		115	38 - 158	
4,4'-DDD	<0.099		0.197	0.197		ug/L		100	49 - 144	
4,4'-DDE	<0.099		0.197	0.186		ug/L		94	46 - 144	
4,4'-DDT	<0.099		0.197	0.213		ug/L		108	48 - 166	
delta-BHC	<0.050		0.0986	0.0937		ug/L		95	23 - 191	
Dieldrin	<0.099		0.197	0.186		ug/L		94	61 - 136	
Endosulfan I	<0.050		0.0986	0.0881		ug/L		89	52 - 141	
Endosulfan II	<0.099		0.197	0.182		ug/L		92	60 - 140	
Endosulfan sulfate	<0.099		0.197	0.172		ug/L		87	60 - 151	
Endrin	<0.099		0.197	0.184		ug/L		93	66 - 150	
Endrin aldehyde	<0.099		0.197	0.127		ug/L		65	16 - 200	
Endrin ketone	<0.099		0.197	0.178		ug/L		90	55 - 156	
gamma-BHC (Lindane)	<0.050		0.0986	0.0876		ug/L		89	54 - 134	
Heptachlor	<0.050		0.0986	0.0520	p	ug/L		53	10 - 200	
Heptachlor epoxide	<0.050		0.0986	0.0882		ug/L		89	49 - 142	
Methoxychlor	<0.099		0.197	0.148	p	ug/L		75	13 - 186	

Surrogate	MS		Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	64		36 - 130
Tetrachloro-m-xylene	65		36 - 130
DCB Decachlorobiphenyl	68		40 - 130
DCB Decachlorobiphenyl	55		40 - 130

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

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

Lab Sample ID: 680-70818-5 MSD
Matrix: Water
Analysis Batch: 212311

Client Sample ID: ASH-MW12-072711
Prep Type: Total/NA
Prep Batch: 210403

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.	RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
Aldrin	<0.050		0.0998	0.0769		ug/L		77	14 - 168	5	50
alpha-BHC	<0.050		0.0998	0.0741		ug/L		74	43 - 138	11	50
beta-BHC	<0.050		0.0998	0.0646	p F	ug/L		65	38 - 158	54	50
4,4'-DDD	<0.099		0.200	0.172		ug/L		86	49 - 144	13	50
4,4'-DDE	<0.099		0.200	0.171		ug/L		86	46 - 144	9	50
4,4'-DDT	<0.099		0.200	0.172		ug/L		86	48 - 166	21	50
delta-BHC	<0.050		0.0998	0.0777		ug/L		78	23 - 191	19	50
Dieldrin	<0.099		0.200	0.170		ug/L		85	61 - 136	9	50
Endosulfan I	<0.050		0.0998	0.0811		ug/L		81	52 - 141	8	50
Endosulfan II	<0.099		0.200	0.158		ug/L		79	60 - 140	14	50
Endosulfan sulfate	<0.099		0.200	0.149		ug/L		75	60 - 151	14	50
Endrin	<0.099		0.200	0.164		ug/L		82	66 - 150	12	50
Endrin aldehyde	<0.099		0.200	0.122		ug/L		61	16 - 200	4	50
Endrin ketone	<0.099		0.200	0.153		ug/L		77	55 - 156	15	50
gamma-BHC (Lindane)	<0.050		0.0998	0.0769		ug/L		77	54 - 134	13	50
Heptachlor	<0.050		0.0998	<0.050		ug/L		45	10 - 200	14	50
Heptachlor epoxide	<0.050		0.0998	0.0791		ug/L		79	49 - 142	11	50
Methoxychlor	<0.099		0.200	<0.10		ug/L		50	13 - 186	40	50

Surrogate	MSD	MSD	Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	55		36 - 130
Tetrachloro-m-xylene	57		36 - 130
DCB Decachlorobiphenyl	63		40 - 130
DCB Decachlorobiphenyl	51		40 - 130

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 680-210385/10-A
Matrix: Water
Analysis Batch: 210709

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 210385

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4-D	<0.50		0.50		ug/L		07/29/11 07:54	08/01/11 16:55	1
Silvex (2,4,5-TP)	<0.50		0.50		ug/L		07/29/11 07:54	08/01/11 16:55	1
2,4,5-T	<0.50		0.50		ug/L		07/29/11 07:54	08/01/11 16:55	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
DCAA	92		52 - 151	07/29/11 07:54	08/01/11 16:55	1
DCAA	77		52 - 151	07/29/11 07:54	08/01/11 16:55	1

Lab Sample ID: LCS 680-210385/11-A
Matrix: Water
Analysis Batch: 210709

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 210385

Analyte	Spike Added	LCS	LCS	Unit	D	% Rec	% Rec.
		Result	Qualifier				Limits
2,4-D	2.00	1.92		ug/L		96	63 - 130
Silvex (2,4,5-TP)	2.00	1.82		ug/L		91	64 - 130
2,4,5-T	2.00	1.88		ug/L		94	59 - 130

FedEx Express **NEW Package**
US Airbill

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FedEx Retrieval Copy

0200

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Pub. Co. Address **110** Address

2 Your Internal Billing Reference **110**

3 To **775 N. W. 1st St.** Address **MAA #270** Address

Pub. Co. Address **110** Address

775 N. W. 1st St. Address **MAA #270** Address

Pub. Co. Address **110** Address

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612

Login Sample Receipt Checklist

Client: Ashland Inc.

Job Number: 680-70818-1

Login Number: 70818

List Source: TestAmerica Savannah

List Number: 1

Creator: Conner, Keaton

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	3 coolers rec'd on ice
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5, 1.4, 0.4 C
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?	True	
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.	False	MW02 (-6) received 1 liter amber broken
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	Insufficient volume received for MS/MSD.
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

14

Certification Summary

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/27/11

TestAmerica Job ID: 680-70818-1

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	NELAC Secondary AB	3	460161
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
TestAmerica West Sacramento		USEPA UCMR		CA00044
TestAmerica West Sacramento	A2LA	DoD ELAP		2928-01
TestAmerica West Sacramento	Alaska	Alaska UST	10	UST-055

Certification Summary

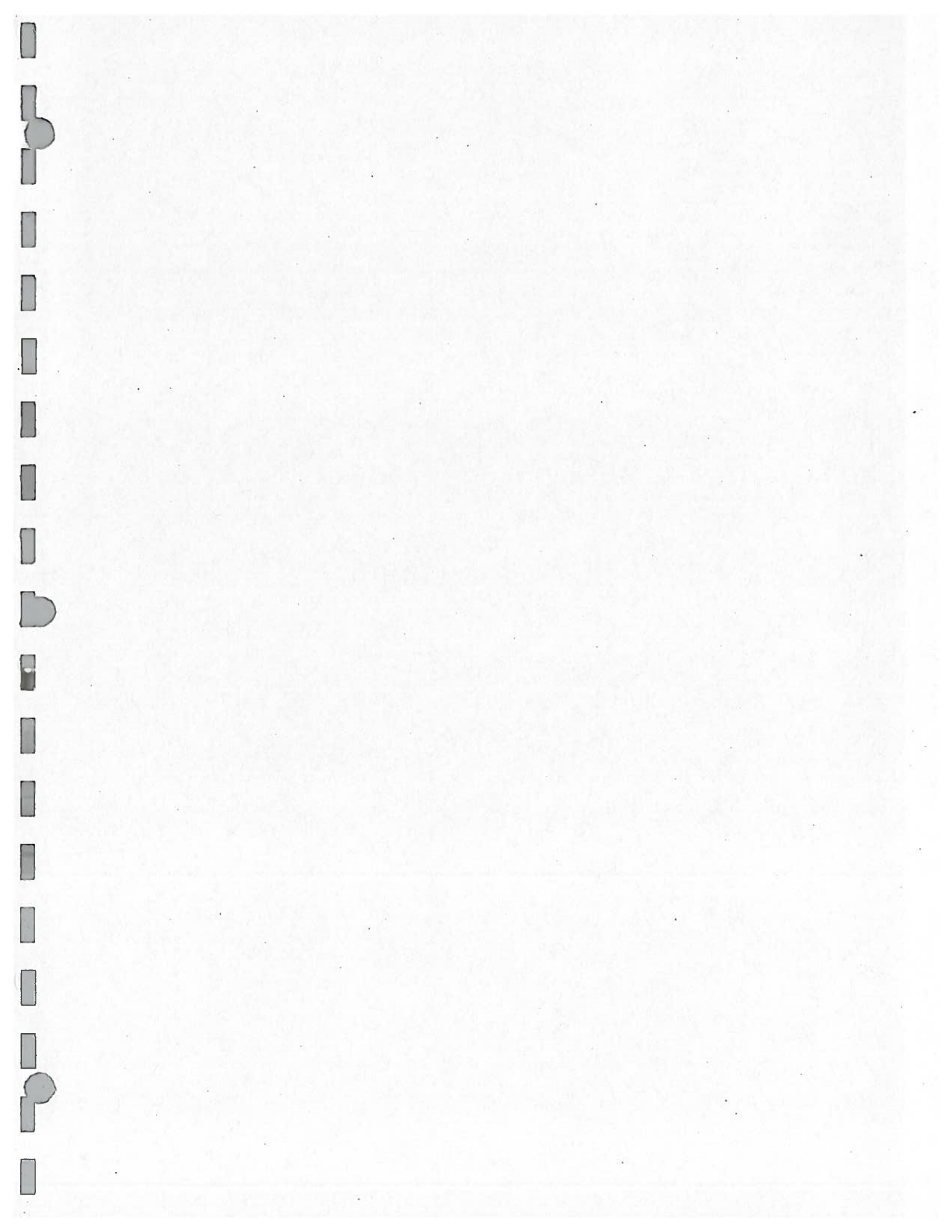
Client: Ashland Inc.
 Project/Site: Hercules Hattiesburg APIX 7/27/11

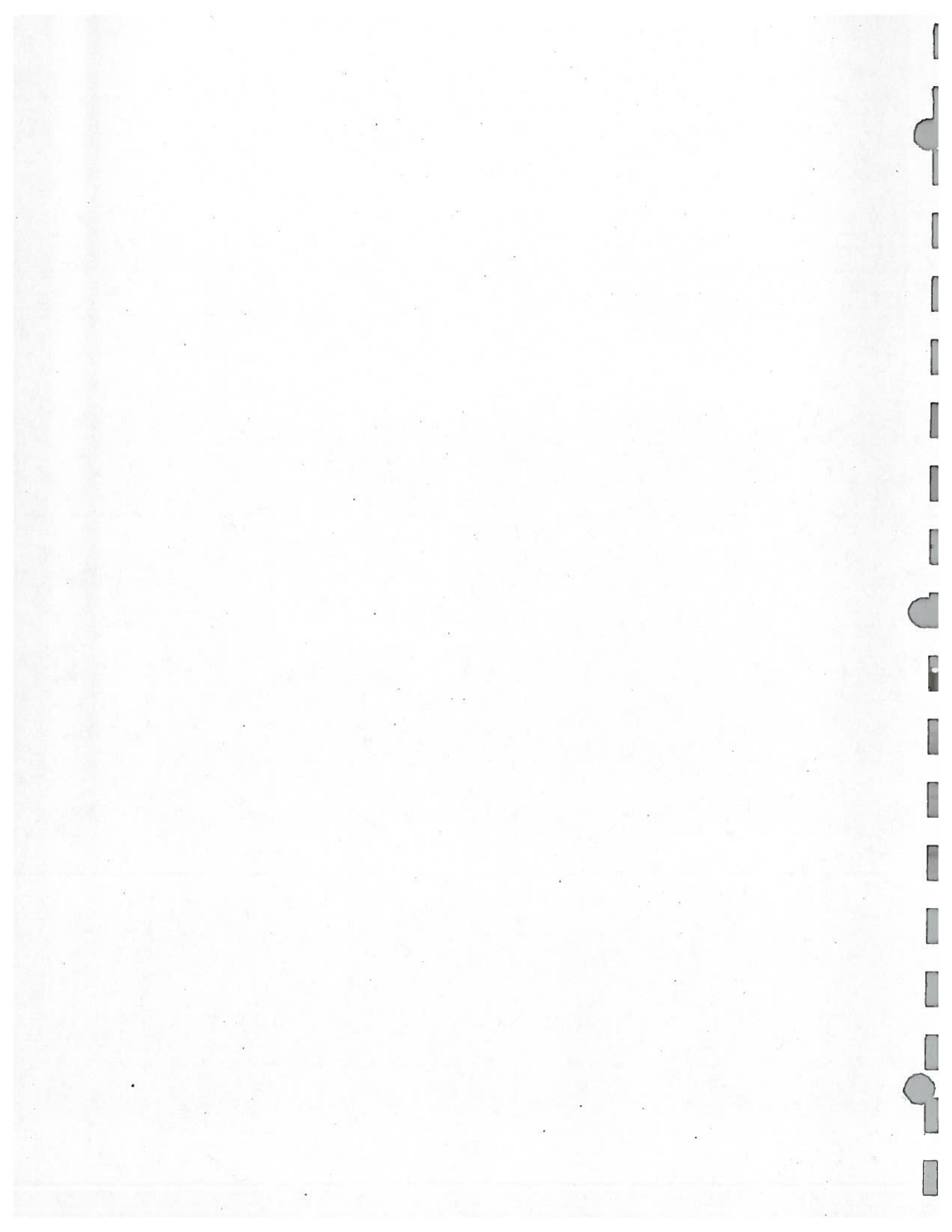
TestAmerica Job ID: 680-70818-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica West Sacramento	Arizona	State Program	9	AZ0708
TestAmerica West Sacramento	Arkansas	State Program	6	88-0691
TestAmerica West Sacramento	California	NELAC	9	1119CA
TestAmerica West Sacramento	Colorado	State Program	8	N/A
TestAmerica West Sacramento	Connecticut	State Program	1	PH-0691
TestAmerica West Sacramento	Florida	NELAC	4	E87570
TestAmerica West Sacramento	Georgia	State Program	4	960
TestAmerica West Sacramento	Guam	State Program	9	N/A
TestAmerica West Sacramento	Hawaii	State Program	9	N/A
TestAmerica West Sacramento	Illinois	NELAC	5	200060
TestAmerica West Sacramento	Kansas	NELAC	7	E-10375
TestAmerica West Sacramento	Louisiana	NELAC	6	30612
TestAmerica West Sacramento	Michigan	State Program	5	9947
TestAmerica West Sacramento	Nevada	State Program	9	CA44
TestAmerica West Sacramento	New Jersey	NELAC	2	CA005
TestAmerica West Sacramento	New Mexico	State Program	6	N/A
TestAmerica West Sacramento	New York	NELAC	2	11666
TestAmerica West Sacramento	Oregon	NELAC	10	CA200005
TestAmerica West Sacramento	Pennsylvania	NELAC	3	68-01272
TestAmerica West Sacramento	South Carolina	State Program	4	87014
TestAmerica West Sacramento	Texas	NELAC	6	T104704399-08-TX
TestAmerica West Sacramento	US Fish & Wildlife	US Fish & Wildlife		LE148388-0
TestAmerica West Sacramento	USDA	USDA		P330-09-00055
TestAmerica West Sacramento	Utah	NELAC	8	QUAN1
TestAmerica West Sacramento	Virginia	State Program	3	178
TestAmerica West Sacramento	Washington	State Program	10	C581
TestAmerica West Sacramento	West Virginia	West Virginia DEP	3	334
TestAmerica West Sacramento	West Virginia	West Virginia DHHR (DW)	3	9930C
TestAmerica West Sacramento	Wisconsin	State Program	5	998204680
TestAmerica West Sacramento	Wyoming	State Program	8	BTMS-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: 680-70860-1
Client Project/Site: Hercules Hattiesburg APIX 7/28/11

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 03:08:03 PM

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

cc: Craig Derouen

Chris Waters

Charlie Jordan

LINKS

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Case Narrative

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Job ID: 680-70860-1

Laboratory: TestAmerica Savannah

Narrative

Job Narrative
680-70860-1

Receipt

Method(s) 8260B: The following sample(s) was received with headspace in the sample vial: ASH-MW14-072811 (680-70860-3), ASH-MW14-072811 (680-70860-3 MS), ASH-MW14-072811 (680-70860-3 MSD). The parent sample and the MSD were received with 2 of 3 vials with headspace, and the MS sample with 1 of 3 with headspace.

All other 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 4 analytes to recover outside criteria for this method when a full list spike is utilized. The LCSD associated with batch 210749 had 1 analyte 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 and LCSD associated with batch 211655 had 2 and 1 analytes outside control limits, respectively; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 211655 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

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 and LCSD associated with batch 211446 had 1 and 2 analyte outside control limits, respectively; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: The following compound was outside control limits in the continuing calibration verification (CCV) associated with batch 211655: isobutyl alcohol. This compound is not classified as a Calibration Check Compound (CCC) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. The associated samples were non-detect for the affected analyte; therefore, the data have been reported.

Method(s) 8260B: The continuing calibration verification (CCV) for batch 211111 recovered above the upper control limit for Pentachloroethane. This compound has been identified as a poor performing analyte when analyzed using this method. Additionally, the samples associated with this CCV were non-detects for this compound; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8260B: The continuing calibration verification (CCV) standard for analytical batch 211655 exceeded average % Relative Standard Deviation (%RSD) control criteria. However, these are in-house criteria established because limits for these compounds are not specified in the reference method. Additionally, all associated samples were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8260B: The continuing calibration verification (CCV) standard associated with the in-hold analyses of the following samples was outside control limits: ASH-MW05-072811 (680-70860-5), ASH-MW14-072811 (680-70860-3), ASH-MW16-072811 (680-70860-7). The samples were re-analyzed outside of their analytical holding time. Both sets of data have been reported.

No other analytical or quality issues were noted.

Comments

No additional comments.

TestAmerica Savannah

Sample Summary

Client: Ashland Inc.

TestAmerica Job ID: 680-70860-1

Project/Site: Hercules Hattiesburg APIX 7/28/11

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-70860-1	ASH-RS2-072811	Water	07/28/11 11:05	07/29/11 09:27
680-70860-2	ASH-DUP-072811	Water	07/28/11 00:00	07/29/11 09:27
680-70860-3	ASH-MW14-072811	Water	07/28/11 10:45	07/29/11 09:27
680-70860-4	ASH-MW15-072811	Water	07/28/11 08:03	07/29/11 09:27
680-70860-5	ASH-MW05-072811	Water	07/28/11 09:05	07/29/11 09:27
680-70860-6	ASH-MW06-072811	Water	07/28/11 08:05	07/29/11 09:27
680-70860-7	ASH-MW16-072811	Water	07/28/11 08:53	07/29/11 09:27
680-70860-8	ASH-MW09-072811	Water	07/28/11 10:10	07/29/11 09:27
680-70860-9	ASH-MW07-072811	Water	07/28/11 10:54	07/29/11 09:27
680-70860-10	Trip Blank 063011	Water	07/28/11 00:00	07/29/11 09:27

Method Summary

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

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

Definitions/Glossary

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
H	Sample was prepped or analyzed beyond the specified holding time
F	MS or MSD 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
%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 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-RS2-072811

Lab Sample ID: 680-70860-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.6		1.0		ug/L	1		8260B	Total/NA

Client Sample ID: ASH-DUP-072811

Lab Sample ID: 680-70860-2

No Detections

Client Sample ID: ASH-MW14-072811

Lab Sample ID: 680-70860-3

No Detections

Client Sample ID: ASH-MW15-072811

Lab Sample ID: 680-70860-4

No Detections

Client Sample ID: ASH-MW05-072811

Lab Sample ID: 680-70860-5

No Detections

Client Sample ID: ASH-MW06-072811

Lab Sample ID: 680-70860-6

No Detections

Client Sample ID: ASH-MW16-072811

Lab Sample ID: 680-70860-7

No Detections

Client Sample ID: ASH-MW09-072811

Lab Sample ID: 680-70860-8

No Detections

Client Sample ID: ASH-MW07-072811

Lab Sample ID: 680-70860-9

No Detections

Client Sample ID: Trip Blank 063011

Lab Sample ID: 680-70860-10

No Detections

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-RS2-072811

Lab Sample ID: 680-70860-1

Date Collected: 07/28/11 11:05

Matrix: Water

Date Received: 07/29/11 09:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/04/11 19:34	1
Acetonitrile	<40		40		ug/L			08/04/11 19:34	1
Acrolein	<20		20		ug/L			08/04/11 19:34	1
Acrylonitrile	<20		20		ug/L			08/04/11 19:34	1
Benzene	<1.0		1.0		ug/L			08/04/11 19:34	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/04/11 19:34	1
Bromoform	<1.0		1.0		ug/L			08/04/11 19:34	1
Bromomethane	<1.0		1.0		ug/L			08/04/11 19:34	1
2-Butanone (MEK)	<10		10		ug/L			08/04/11 19:34	1
Carbon disulfide	<2.0		2.0		ug/L			08/04/11 19:34	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/04/11 19:34	1
Chlorobenzene	<1.0		1.0		ug/L			08/04/11 19:34	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/04/11 19:34	1
Chloroethane	<1.0		1.0		ug/L			08/04/11 19:34	1
Chloroform	1.6		1.0		ug/L			08/04/11 19:34	1
Chloromethane	<1.0		1.0		ug/L			08/04/11 19:34	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/04/11 19:34	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/04/11 19:34	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/04/11 19:34	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/04/11 19:34	1
Dibromomethane	<1.0		1.0		ug/L			08/04/11 19:34	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/04/11 19:34	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/04/11 19:34	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/04/11 19:34	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/04/11 19:34	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/04/11 19:34	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/04/11 19:34	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/04/11 19:34	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/04/11 19:34	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/04/11 19:34	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/04/11 19:34	1
Ethylbenzene	<1.0		1.0		ug/L			08/04/11 19:34	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/04/11 19:34	1
2-Hexanone	<10		10		ug/L			08/04/11 19:34	1
Iodomethane	<5.0		5.0		ug/L			08/04/11 19:34	1
Isobutyl alcohol	<40		40		ug/L			08/04/11 19:34	1
Methacrylonitrile	<20		20		ug/L			08/04/11 19:34	1
Methylene Chloride	<5.0		5.0		ug/L			08/04/11 19:34	1
Methyl methacrylate	<1.0		1.0		ug/L			08/04/11 19:34	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/04/11 19:34	1
Pentachloroethane	<5.0		5.0		ug/L			08/04/11 19:34	1
Propionitrile	<20		20		ug/L			08/04/11 19:34	1
Styrene	<1.0		1.0		ug/L			08/04/11 19:34	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/04/11 19:34	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/04/11 19:34	1
Tetrachloroethene	<1.0		1.0		ug/L			08/04/11 19:34	1
Toluene	<1.0		1.0		ug/L			08/04/11 19:34	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/04/11 19:34	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/04/11 19:34	1
Trichloroethene	<1.0		1.0		ug/L			08/04/11 19:34	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
 Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-RS2-072811

Lab Sample ID: 680-70860-1

Date Collected: 07/28/11 11:05

Matrix: Water

Date Received: 07/29/11 09:27

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			08/04/11 19:34	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/04/11 19:34	1
Vinyl acetate	<2.0		2.0		ug/L			08/04/11 19:34	1
Vinyl chloride	<1.0		1.0		ug/L			08/04/11 19:34	1
Xylenes, Total	<2.0		2.0		ug/L			08/04/11 19:34	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		70 - 130					08/04/11 19:34	1
Dibromofluoromethane	105		70 - 130					08/04/11 19:34	1
Toluene-d8 (Surr)	94		70 - 130					08/04/11 19:34	1

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Client Sample Results

Client: Ashland Inc.
 Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-DUP-072811

Lab Sample ID: 680-70860-2

Date Collected: 07/28/11 00:00

Matrix: Water

Date Received: 07/29/11 09:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/02/11 16:08	1
Acetonitrile	<40		40		ug/L			08/02/11 16:08	1
Acrolein	<20		20		ug/L			08/02/11 16:08	1
Acrylonitrile	<20		20		ug/L			08/02/11 16:08	1
Benzene	<1.0		1.0		ug/L			08/02/11 16:08	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/02/11 16:08	1
Bromoform	<1.0		1.0		ug/L			08/02/11 16:08	1
Bromomethane	<1.0		1.0		ug/L			08/02/11 16:08	1
2-Butanone (MEK)	<10		10		ug/L			08/02/11 16:08	1
Carbon disulfide	<2.0		2.0		ug/L			08/02/11 16:08	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/02/11 16:08	1
Chlorobenzene	<1.0		1.0		ug/L			08/02/11 16:08	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/02/11 16:08	1
Chloroethane	<1.0		1.0		ug/L			08/02/11 16:08	1
Chloroform	<1.0		1.0		ug/L			08/02/11 16:08	1
Chloromethane	<1.0		1.0		ug/L			08/02/11 16:08	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/02/11 16:08	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/02/11 16:08	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/02/11 16:08	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/02/11 16:08	1
Dibromomethane	<1.0		1.0		ug/L			08/02/11 16:08	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/02/11 16:08	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/02/11 16:08	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/02/11 16:08	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/02/11 16:08	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 16:08	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 16:08	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/02/11 16:08	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/02/11 16:08	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 16:08	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 16:08	1
Ethylbenzene	<1.0		1.0		ug/L			08/02/11 16:08	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/02/11 16:08	1
2-Hexanone	<10		10		ug/L			08/02/11 16:08	1
Iodomethane	<5.0		5.0		ug/L			08/02/11 16:08	1
Isobutyl alcohol	<40		40		ug/L			08/02/11 16:08	1
Methacrylonitrile	<20		20		ug/L			08/02/11 16:08	1
Methylene Chloride	<5.0		5.0		ug/L			08/02/11 16:08	1
Methyl methacrylate	<1.0		1.0		ug/L			08/02/11 16:08	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/02/11 16:08	1
Pentachloroethane	<5.0		5.0		ug/L			08/02/11 16:08	1
Propionitrile	<20		20		ug/L			08/02/11 16:08	1
Styrene	<1.0		1.0		ug/L			08/02/11 16:08	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 16:08	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 16:08	1
Tetrachloroethene	<1.0		1.0		ug/L			08/02/11 16:08	1
Toluene	<1.0		1.0		ug/L			08/02/11 16:08	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/02/11 16:08	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/02/11 16:08	1
Trichloroethene	<1.0		1.0		ug/L			08/02/11 16:08	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
 Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-DUP-072811

Lab Sample ID: 680-70860-2

Date Collected: 07/28/11 00:00

Matrix: Water

Date Received: 07/29/11 09:27

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			08/02/11 16:08	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/02/11 16:08	1
Vinyl acetate	<2.0		2.0		ug/L			08/02/11 16:08	1
Vinyl chloride	<1.0		1.0		ug/L			08/02/11 16:08	1
Xylenes, Total	<2.0		2.0		ug/L			08/02/11 16:08	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		70 - 130					08/02/11 16:08	1
Dibromofluoromethane	108		70 - 130					08/02/11 16:08	1
Toluene-d8 (Surr)	98		70 - 130					08/02/11 16:08	1

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Client Sample Results

Client: Ashland Inc.
 Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW14-072811

Lab Sample ID: 680-70860-3

Date Collected: 07/28/11 10:45

Matrix: Water

Date Received: 07/29/11 09:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/02/11 14:55	1
Acetonitrile	<40		40		ug/L			08/02/11 14:55	1
Acrolein	<20		20		ug/L			08/02/11 14:55	1
Acrylonitrile	<20		20		ug/L			08/02/11 14:55	1
Benzene	<1.0		1.0		ug/L			08/02/11 14:55	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/02/11 14:55	1
Bromoform	<1.0	*	1.0		ug/L			08/02/11 14:55	1
Bromomethane	<1.0		1.0		ug/L			08/02/11 14:55	1
2-Butanone (MEK)	<10		10		ug/L			08/02/11 14:55	1
Carbon disulfide	<2.0		2.0		ug/L			08/02/11 14:55	1
Carbon tetrachloride	<1.0	*	1.0		ug/L			08/02/11 14:55	1
Chlorobenzene	<1.0		1.0		ug/L			08/02/11 14:55	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/02/11 14:55	1
Chloroethane	<1.0		1.0		ug/L			08/02/11 14:55	1
Chloroform	<1.0		1.0		ug/L			08/02/11 14:55	1
Chloromethane	<1.0		1.0		ug/L			08/02/11 14:55	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/02/11 14:55	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/02/11 14:55	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/02/11 14:55	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/02/11 14:55	1
Dibromomethane	<1.0		1.0		ug/L			08/02/11 14:55	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/02/11 14:55	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/02/11 14:55	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/02/11 14:55	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/02/11 14:55	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 14:55	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 14:55	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/02/11 14:55	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/02/11 14:55	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 14:55	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 14:55	1
Ethylbenzene	<1.0		1.0		ug/L			08/02/11 14:55	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/02/11 14:55	1
2-Hexanone	<10		10		ug/L			08/02/11 14:55	1
Iodomethane	<5.0		5.0		ug/L			08/02/11 14:55	1
Isobutyl alcohol	<40		40		ug/L			08/02/11 14:55	1
Methacrylonitrile	<20		20		ug/L			08/02/11 14:55	1
Methylene Chloride	<5.0		5.0		ug/L			08/02/11 14:55	1
Methyl methacrylate	<1.0		1.0		ug/L			08/02/11 14:55	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/02/11 14:55	1
Pentachloroethane	<5.0		5.0		ug/L			08/02/11 14:55	1
Propionitrile	<20		20		ug/L			08/02/11 14:55	1
Styrene	<1.0		1.0		ug/L			08/02/11 14:55	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 14:55	1
1,1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 14:55	1
Tetrachloroethene	<1.0		1.0		ug/L			08/02/11 14:55	1
Toluene	<1.0		1.0		ug/L			08/02/11 14:55	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/02/11 14:55	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/02/11 14:55	1
Trichloroethene	<1.0		1.0		ug/L			08/02/11 14:55	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW14-072811

Lab Sample ID: 680-70860-3

Date Collected: 07/28/11 10:45

Matrix: Water

Date Received: 07/29/11 09:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			08/02/11 14:55	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/02/11 14:55	1
Vinyl acetate	<2.0		2.0		ug/L			08/02/11 14:55	1
Vinyl chloride	<1.0		1.0		ug/L			08/02/11 14:55	1
Xylenes, Total	<2.0		2.0		ug/L			08/02/11 14:55	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	DII Fac
4-Bromofluorobenzene	101		70 - 130					08/02/11 14:55	1
Dibromofluoromethane	102		70 - 130					08/02/11 14:55	1
Toluene-d8 (Surr)	97		70 - 130					08/02/11 14:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Acetone	<25	H	25		ug/L			08/08/11 21:13	1
Acetonitrile	<40	H	40		ug/L			08/08/11 21:13	1
Acrolein	<20	H	20		ug/L			08/08/11 21:13	1
Acrylonitrile	<20	H	20		ug/L			08/08/11 21:13	1
Benzene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Dichlorobromomethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Bromoform	<1.0	H*	1.0		ug/L			08/08/11 21:13	1
Bromomethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
2-Butanone (MEK)	<10	H	10		ug/L			08/08/11 21:13	1
Carbon disulfide	<2.0	H	2.0		ug/L			08/08/11 21:13	1
Carbon tetrachloride	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Chlorobenzene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
2-Chloro-1,3-butadiene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Chloroethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Chloroform	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Chloromethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
3-Chloro-1-propene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Chlorodibromomethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
1,2-Dibromo-3-Chloropropane	<1.0	H*	1.0		ug/L			08/08/11 21:13	1
Ethylene Dibromide	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Dibromomethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
trans-1,4-Dichloro-2-butene	<2.0	H	2.0		ug/L			08/08/11 21:13	1
Dichlorodifluoromethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
1,1-Dichloroethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
1,2-Dichloroethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
cis-1,2-Dichloroethene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
trans-1,2-Dichloroethene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
1,1-Dichloroethene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
1,2-Dichloropropane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
cis-1,3-Dichloropropene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
trans-1,3-Dichloropropene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Ethylbenzene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Ethyl methacrylate	<1.0	H	1.0		ug/L			08/08/11 21:13	1
2-Hexanone	<10	H	10		ug/L			08/08/11 21:13	1
Iodomethane	<5.0	H	5.0		ug/L			08/08/11 21:13	1
Isobutyl alcohol	<40	H	40		ug/L			08/08/11 21:13	1
Methacrylonitrile	<20	H	20		ug/L			08/08/11 21:13	1

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Client Sample Results

Client: Ashland Inc.
 Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW14-072811

Lab Sample ID: 680-70860-3

Date Collected: 07/28/11 10:45

Matrix: Water

Date Received: 07/29/11 09:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<5.0	H	5.0		ug/L			08/08/11 21:13	1
Methyl methacrylate	<1.0	H	1.0		ug/L			08/08/11 21:13	1
4-Methyl-2-pentanone (MIBK)	<10	H	10		ug/L			08/08/11 21:13	1
Pentachloroethane	<5.0	H	5.0		ug/L			08/08/11 21:13	1
Propionitrile	<20	H	20		ug/L			08/08/11 21:13	1
Styrene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
1,1,1,2-Tetrachloroethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
1,1,2,2-Tetrachloroethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Tetrachloroethene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Toluene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
1,1,1-Trichloroethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
1,1,2-Trichloroethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Trichloroethene	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Trichlorofluoromethane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
1,2,3-Trichloropropane	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Vinyl acetate	<2.0	H	2.0		ug/L			08/08/11 21:13	1
Vinyl chloride	<1.0	H	1.0		ug/L			08/08/11 21:13	1
Xylenes, Total	<2.0	H	2.0		ug/L			08/08/11 21:13	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		70 - 130					08/08/11 21:13	1
Dibromofluoromethane	107		70 - 130					08/08/11 21:13	1
Toluene-d8 (Surr)	100		70 - 130					08/08/11 21:13	1

Client Sample Results

Client: Ashland Inc.
 Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW15-072811

Lab Sample ID: 680-70860-4

Date Collected: 07/28/11 08:03

Matrix: Water

Date Received: 07/29/11 09:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/02/11 16:38	1
Acetonitrile	<40		40		ug/L			08/02/11 16:38	1
Acrolein	<20		20		ug/L			08/02/11 16:38	1
Acrylonitrile	<20		20		ug/L			08/02/11 16:38	1
Benzene	<1.0		1.0		ug/L			08/02/11 16:38	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/02/11 16:38	1
Bromoform	<1.0		1.0		ug/L			08/02/11 16:38	1
Bromomethane	<1.0		1.0		ug/L			08/02/11 16:38	1
2-Butanone (MEK)	<10		10		ug/L			08/02/11 16:38	1
Carbon disulfide	<2.0		2.0		ug/L			08/02/11 16:38	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/02/11 16:38	1
Chlorobenzene	<1.0		1.0		ug/L			08/02/11 16:38	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/02/11 16:38	1
Chloroethane	<1.0		1.0		ug/L			08/02/11 16:38	1
Chloroform	<1.0		1.0		ug/L			08/02/11 16:38	1
Chloromethane	<1.0		1.0		ug/L			08/02/11 16:38	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/02/11 16:38	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/02/11 16:38	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/02/11 16:38	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/02/11 16:38	1
Dibromomethane	<1.0		1.0		ug/L			08/02/11 16:38	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/02/11 16:38	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/02/11 16:38	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/02/11 16:38	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/02/11 16:38	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 16:38	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 16:38	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/02/11 16:38	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/02/11 16:38	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 16:38	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 16:38	1
Ethylbenzene	<1.0		1.0		ug/L			08/02/11 16:38	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/02/11 16:38	1
2-Hexanone	<10		10		ug/L			08/02/11 16:38	1
Iodomethane	<5.0		5.0		ug/L			08/02/11 16:38	1
Isobutyl alcohol	<40		40		ug/L			08/02/11 16:38	1
Methacrylonitrile	<20		20		ug/L			08/02/11 16:38	1
Methylene Chloride	<5.0		5.0		ug/L			08/02/11 16:38	1
Methyl methacrylate	<1.0		1.0		ug/L			08/02/11 16:38	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/02/11 16:38	1
Pentachloroethane	<5.0		5.0		ug/L			08/02/11 16:38	1
Propionitrile	<20		20		ug/L			08/02/11 16:38	1
Styrene	<1.0		1.0		ug/L			08/02/11 16:38	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 16:38	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 16:38	1
Tetrachloroethene	<1.0		1.0		ug/L			08/02/11 16:38	1
Toluene	<1.0		1.0		ug/L			08/02/11 16:38	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/02/11 16:38	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/02/11 16:38	1
Trichloroethene	<1.0		1.0		ug/L			08/02/11 16:38	1

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Client Sample Results

Client: Ashland Inc.
 Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW15-072811

Lab Sample ID: 680-70860-4

Date Collected: 07/28/11 08:03

Matrix: Water

Date Received: 07/29/11 09:27

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			08/02/11 16:38	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/02/11 16:38	1
Vinyl acetate	<2.0		2.0		ug/L			08/02/11 16:38	1
Vinyl chloride	<1.0		1.0		ug/L			08/02/11 16:38	1
Xylenes, Total	<2.0		2.0		ug/L			08/02/11 16:38	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		70 - 130		08/02/11 16:38	1
Dibromofluoromethane	107		70 - 130		08/02/11 16:38	1
Toluene-d8 (Surr)	101		70 - 130		08/02/11 16:38	1

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Client Sample Results

Client: Ashland Inc.
 Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW05-072811

Lab Sample ID: 680-70860-5

Date Collected: 07/28/11 09:05

Matrix: Water

Date Received: 07/29/11 09:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/02/11 13:56	1
Acetonitrile	<40		40		ug/L			08/02/11 13:56	1
Acrolein	<20		20		ug/L			08/02/11 13:56	1
Acrylonitrile	<20		20		ug/L			08/02/11 13:56	1
Benzene	<1.0		1.0		ug/L			08/02/11 13:56	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/02/11 13:56	1
Bromoform	<1.0		1.0		ug/L			08/02/11 13:56	1
Bromomethane	<1.0		1.0		ug/L			08/02/11 13:56	1
2-Butanone (MEK)	<10		10		ug/L			08/02/11 13:56	1
Carbon disulfide	<2.0		2.0		ug/L			08/02/11 13:56	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/02/11 13:56	1
Chlorobenzene	<1.0		1.0		ug/L			08/02/11 13:56	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/02/11 13:56	1
Chloroethane	<1.0		1.0		ug/L			08/02/11 13:56	1
Chloroform	<1.0		1.0		ug/L			08/02/11 13:56	1
Chloromethane	<1.0		1.0		ug/L			08/02/11 13:56	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/02/11 13:56	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/02/11 13:56	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/02/11 13:56	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/02/11 13:56	1
Dibromomethane	<1.0		1.0		ug/L			08/02/11 13:56	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/02/11 13:56	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/02/11 13:56	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/02/11 13:56	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/02/11 13:56	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 13:56	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 13:56	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/02/11 13:56	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/02/11 13:56	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 13:56	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 13:56	1
Ethylbenzene	<1.0		1.0		ug/L			08/02/11 13:56	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/02/11 13:56	1
2-Hexanone	<10		10		ug/L			08/02/11 13:56	1
Iodomethane	<5.0		5.0		ug/L			08/02/11 13:56	1
Isobutyl alcohol	<40		40		ug/L			08/02/11 13:56	1
Methacrylonitrile	<20		20		ug/L			08/02/11 13:56	1
Methylene Chloride	<5.0		5.0		ug/L			08/02/11 13:56	1
Methyl methacrylate	<1.0		1.0		ug/L			08/02/11 13:56	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/02/11 13:56	1
Pentachloroethane	<5.0		5.0		ug/L			08/02/11 13:56	1
Propionitrile	<20		20		ug/L			08/02/11 13:56	1
Styrene	<1.0		1.0		ug/L			08/02/11 13:56	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 13:56	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 13:56	1
Tetrachloroethene	<1.0		1.0		ug/L			08/02/11 13:56	1
Toluene	<1.0		1.0		ug/L			08/02/11 13:56	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/02/11 13:56	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/02/11 13:56	1
Trichloroethene	<1.0		1.0		ug/L			08/02/11 13:56	1

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Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW05-072811

Lab Sample ID: 680-70860-5

Date Collected: 07/28/11 09:05

Matrix: Water

Date Received: 07/29/11 09:27

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			08/02/11 13:56	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/02/11 13:56	1
Vinyl acetate	<2.0		2.0		ug/L			08/02/11 13:56	1
Vinyl chloride	<1.0		1.0		ug/L			08/02/11 13:56	1
Xylenes, Total	<2.0		2.0		ug/L			08/02/11 13:56	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		70 - 130					08/02/11 13:56	1
Dibromofluoromethane	101		70 - 130					08/02/11 13:56	1
Toluene-d8 (Surr)	100		70 - 130					08/02/11 13:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25	H	25		ug/L			08/08/11 20:29	1
Acetonitrile	<40	H	40		ug/L			08/08/11 20:29	1
Acrolein	<20	H	20		ug/L			08/08/11 20:29	1
Acrylonitrile	<20	H	20		ug/L			08/08/11 20:29	1
Benzene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Dichlorobromomethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Bromoform	<1.0	H*	1.0		ug/L			08/08/11 20:29	1
Bromomethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
2-Butanone (MEK)	<10	H	10		ug/L			08/08/11 20:29	1
Carbon disulfide	<2.0	H	2.0		ug/L			08/08/11 20:29	1
Carbon tetrachloride	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Chlorobenzene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
2-Chloro-1,3-butadiene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Chloroethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Chloroform	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Chloromethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
3-Chloro-1-propene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Chlorodibromomethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
1,2-Dibromo-3-Chloropropane	<1.0	H*	1.0		ug/L			08/08/11 20:29	1
Ethylene Dibromide	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Dibromomethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
trans-1,4-Dichloro-2-butene	<2.0	H	2.0		ug/L			08/08/11 20:29	1
Dichlorodifluoromethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
1,1-Dichloroethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
1,2-Dichloroethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
cis-1,2-Dichloroethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
trans-1,2-Dichloroethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
1,1-Dichloroethene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
1,2-Dichloropropane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
cis-1,3-Dichloropropene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
trans-1,3-Dichloropropene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Ethylbenzene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Ethyl methacrylate	<1.0	H	1.0		ug/L			08/08/11 20:29	1
2-Hexanone	<10	H	10		ug/L			08/08/11 20:29	1
Iodomethane	<5.0	H	5.0		ug/L			08/08/11 20:29	1
Isobutyl alcohol	<40	H	40		ug/L			08/08/11 20:29	1
Methacrylonitrile	<20	H	20		ug/L			08/08/11 20:29	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
 Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW05-072811

Lab Sample ID: 680-70860-5

Date Collected: 07/28/11 09:05

Matrix: Water

Date Received: 07/29/11 09:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<5.0	H	5.0		ug/L			08/08/11 20:29	1
Methyl methacrylate	<1.0	H	1.0		ug/L			08/08/11 20:29	1
4-Methyl-2-pentanone (MIBK)	<10	H	10		ug/L			08/08/11 20:29	1
Pentachloroethane	<5.0	H	5.0		ug/L			08/08/11 20:29	1
Propionitrile	<20	H	20		ug/L			08/08/11 20:29	1
Styrene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
1,1,1,2-Tetrachloroethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
1,1,2,2-Tetrachloroethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Tetrachloroethene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Toluene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
1,1,1-Trichloroethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
1,1,2-Trichloroethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Trichloroethene	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Trichlorofluoromethane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
1,2,3-Trichloropropane	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Vinyl acetate	<2.0	H	2.0		ug/L			08/08/11 20:29	1
Vinyl chloride	<1.0	H	1.0		ug/L			08/08/11 20:29	1
Xylenes, Total	<2.0	H	2.0		ug/L			08/08/11 20:29	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	91		70 - 130					08/08/11 20:29	1
Dibromofluoromethane	109		70 - 130					08/08/11 20:29	1
Toluene-d8 (Surr)	100		70 - 130					08/08/11 20:29	1

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Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW06-072811

Lab Sample ID: 680-70860-6

Date Collected: 07/28/11 08:05

Matrix: Water

Date Received: 07/29/11 09:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/02/11 17:07	1
Acetonitrile	<40		40		ug/L			08/02/11 17:07	1
Acrolein	<20		20		ug/L			08/02/11 17:07	1
Acrylonitrile	<20		20		ug/L			08/02/11 17:07	1
Benzene	<1.0		1.0		ug/L			08/02/11 17:07	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/02/11 17:07	1
Bromoform	<1.0		1.0		ug/L			08/02/11 17:07	1
Bromomethane	<1.0		1.0		ug/L			08/02/11 17:07	1
2-Butanone (MEK)	<10		10		ug/L			08/02/11 17:07	1
Carbon disulfide	<2.0		2.0		ug/L			08/02/11 17:07	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/02/11 17:07	1
Chlorobenzene	<1.0		1.0		ug/L			08/02/11 17:07	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/02/11 17:07	1
Chloroethane	<1.0		1.0		ug/L			08/02/11 17:07	1
Chloroform	<1.0		1.0		ug/L			08/02/11 17:07	1
Chloromethane	<1.0		1.0		ug/L			08/02/11 17:07	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/02/11 17:07	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/02/11 17:07	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/02/11 17:07	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/02/11 17:07	1
Dibromomethane	<1.0		1.0		ug/L			08/02/11 17:07	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/02/11 17:07	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/02/11 17:07	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/02/11 17:07	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/02/11 17:07	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 17:07	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 17:07	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/02/11 17:07	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/02/11 17:07	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 17:07	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 17:07	1
Ethylbenzene	<1.0		1.0		ug/L			08/02/11 17:07	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/02/11 17:07	1
2-Hexanone	<10		10		ug/L			08/02/11 17:07	1
Iodomethane	<5.0		5.0		ug/L			08/02/11 17:07	1
Isobutyl alcohol	<40		40		ug/L			08/02/11 17:07	1
Methacrylonitrile	<20		20		ug/L			08/02/11 17:07	1
Methylene Chloride	<5.0		5.0		ug/L			08/02/11 17:07	1
Methyl methacrylate	<1.0		1.0		ug/L			08/02/11 17:07	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/02/11 17:07	1
Pentachloroethane	<5.0		5.0		ug/L			08/02/11 17:07	1
Propionitrile	<20		20		ug/L			08/02/11 17:07	1
Styrene	<1.0		1.0		ug/L			08/02/11 17:07	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 17:07	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 17:07	1
Tetrachloroethene	<1.0		1.0		ug/L			08/02/11 17:07	1
Toluene	<1.0		1.0		ug/L			08/02/11 17:07	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/02/11 17:07	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/02/11 17:07	1
Trichloroethene	<1.0		1.0		ug/L			08/02/11 17:07	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
 Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW06-072811

Lab Sample ID: 680-70860-6

Date Collected: 07/28/11 08:05

Matrix: Water

Date Received: 07/29/11 09:27

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			08/02/11 17:07	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/02/11 17:07	1
Vinyl acetate	<2.0		2.0		ug/L			08/02/11 17:07	1
Vinyl chloride	<1.0		1.0		ug/L			08/02/11 17:07	1
Xylenes, Total	<2.0		2.0		ug/L			08/02/11 17:07	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		70 - 130					08/02/11 17:07	1
Dibromofluoromethane	107		70 - 130					08/02/11 17:07	1
Toluene-d8 (Surr)	100		70 - 130					08/02/11 17:07	1

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Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW16-072811

Lab Sample ID: 680-70860-7

Date Collected: 07/28/11 08:53

Matrix: Water

Date Received: 07/29/11 09:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/02/11 14:25	1
Acetonitrile	<40		40		ug/L			08/02/11 14:25	1
Acrolein	<20		20		ug/L			08/02/11 14:25	1
Acrylonitrile	<20		20		ug/L			08/02/11 14:25	1
Benzene	<1.0		1.0		ug/L			08/02/11 14:25	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/02/11 14:25	1
Bromoform	<1.0	*	1.0		ug/L			08/02/11 14:25	1
Bromomethane	<1.0		1.0		ug/L			08/02/11 14:25	1
2-Butanone (MEK)	<10		10		ug/L			08/02/11 14:25	1
Carbon disulfide	<2.0		2.0		ug/L			08/02/11 14:25	1
Carbon tetrachloride	<1.0	*	1.0		ug/L			08/02/11 14:25	1
Chlorobenzene	<1.0		1.0		ug/L			08/02/11 14:25	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/02/11 14:25	1
Chloroethane	<1.0		1.0		ug/L			08/02/11 14:25	1
Chloroform	<1.0		1.0		ug/L			08/02/11 14:25	1
Chloromethane	<1.0		1.0		ug/L			08/02/11 14:25	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/02/11 14:25	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/02/11 14:25	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/02/11 14:25	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/02/11 14:25	1
Dibromomethane	<1.0		1.0		ug/L			08/02/11 14:25	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/02/11 14:25	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/02/11 14:25	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/02/11 14:25	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/02/11 14:25	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 14:25	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 14:25	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/02/11 14:25	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/02/11 14:25	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 14:25	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 14:25	1
Ethylbenzene	<1.0		1.0		ug/L			08/02/11 14:25	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/02/11 14:25	1
2-Hexanone	<10		10		ug/L			08/02/11 14:25	1
Iodomethane	<5.0		5.0		ug/L			08/02/11 14:25	1
Isobutyl alcohol	<40		40		ug/L			08/02/11 14:25	1
Methacrylonitrile	<20		20		ug/L			08/02/11 14:25	1
Methylene Chloride	<5.0		5.0		ug/L			08/02/11 14:25	1
Methyl methacrylate	<1.0		1.0		ug/L			08/02/11 14:25	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/02/11 14:25	1
Pentachloroethane	<5.0		5.0		ug/L			08/02/11 14:25	1
Propionitrile	<20		20		ug/L			08/02/11 14:25	1
Styrene	<1.0		1.0		ug/L			08/02/11 14:25	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 14:25	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 14:25	1
Tetrachloroethene	<1.0		1.0		ug/L			08/02/11 14:25	1
Toluene	<1.0		1.0		ug/L			08/02/11 14:25	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/02/11 14:25	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/02/11 14:25	1
Trichloroethene	<1.0		1.0		ug/L			08/02/11 14:25	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW16-072811

Lab Sample ID: 680-70860-7

Date Collected: 07/28/11 08:53

Matrix: Water

Date Received: 07/29/11 09:27

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			08/02/11 14:25	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/02/11 14:25	1
Vinyl acetate	<2.0		2.0		ug/L			08/02/11 14:25	1
Vinyl chloride	<1.0		1.0		ug/L			08/02/11 14:25	1
Xylenes, Total	<2.0		2.0		ug/L			08/02/11 14:25	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		70 - 130					08/02/11 14:25	1
Dibromofluoromethane	101		70 - 130					08/02/11 14:25	1
Toluene-d8 (Surr)	99		70 - 130					08/02/11 14:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25	H	25		ug/L			08/08/11 20:51	1
Acetonitrile	<40	H	40		ug/L			08/08/11 20:51	1
Acrolein	<20	H	20		ug/L			08/08/11 20:51	1
Acrylonitrile	<20	H	20		ug/L			08/08/11 20:51	1
Benzene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Dichlorobromomethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Bromoform	<1.0	H *	1.0		ug/L			08/08/11 20:51	1
Bromomethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
2-Butanone (MEK)	<10	H	10		ug/L			08/08/11 20:51	1
Carbon disulfide	<2.0	H	2.0		ug/L			08/08/11 20:51	1
Carbon tetrachloride	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Chlorobenzene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
2-Chloro-1,3-butadiene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Chloroethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Chloroform	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Chloromethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
3-Chloro-1-propene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Chlorodibromomethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
1,2-Dibromo-3-Chloropropane	<1.0	H *	1.0		ug/L			08/08/11 20:51	1
Ethylene Dibromide	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Dibromomethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
trans-1,4-Dichloro-2-butene	<2.0	H	2.0		ug/L			08/08/11 20:51	1
Dichlorodifluoromethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
1,1-Dichloroethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
1,2-Dichloroethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
cis-1,2-Dichloroethene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
trans-1,2-Dichloroethene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
1,1-Dichloroethene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
1,2-Dichloropropane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
cis-1,3-Dichloropropene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
trans-1,3-Dichloropropene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Ethylbenzene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Ethyl methacrylate	<1.0	H	1.0		ug/L			08/08/11 20:51	1
2-Hexanone	<10	H	10		ug/L			08/08/11 20:51	1
Iodomethane	<5.0	H	5.0		ug/L			08/08/11 20:51	1
Isobutyl alcohol	<40	H	40		ug/L			08/08/11 20:51	1
Methacrylonitrile	<20	H	20		ug/L			08/08/11 20:51	1

TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
 Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW16-072811

Lab Sample ID: 680-70860-7

Date Collected: 07/28/11 08:53

Matrix: Water

Date Received: 07/29/11 09:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<5.0	H	5.0		ug/L			08/08/11 20:51	1
Methyl methacrylate	<1.0	H	1.0		ug/L			08/08/11 20:51	1
4-Methyl-2-pentanone (MIBK)	<10	H	10		ug/L			08/08/11 20:51	1
Pentachloroethane	<5.0	H	5.0		ug/L			08/08/11 20:51	1
Propionitrile	<20	H	20		ug/L			08/08/11 20:51	1
Styrene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
1,1,1,2-Tetrachloroethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
1,1,2,2-Tetrachloroethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Tetrachloroethene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Toluene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
1,1,1-Trichloroethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
1,1,2-Trichloroethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Trichloroethene	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Trichlorofluoromethane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
1,2,3-Trichloropropane	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Vinyl acetate	<2.0	H	2.0		ug/L			08/08/11 20:51	1
Vinyl chloride	<1.0	H	1.0		ug/L			08/08/11 20:51	1
Xylenes, Total	<2.0	H	2.0		ug/L			08/08/11 20:51	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		70 - 130					08/08/11 20:51	1
Dibromofluoromethane	109		70 - 130					08/08/11 20:51	1
Toluene-d8 (Surr)	97		70 - 130					08/08/11 20:51	1

Client Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW09-072811

Lab Sample ID: 680-70860-8

Date Collected: 07/28/11 10:10

Matrix: Water

Date Received: 07/29/11 09:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<25		25		ug/L			08/02/11 15:10	1
Acetonitrile	<40		40		ug/L			08/02/11 15:10	1
Acrolein	<20		20		ug/L			08/02/11 15:10	1
Acrylonitrile	<20		20		ug/L			08/02/11 15:10	1
Benzene	<1.0		1.0		ug/L			08/02/11 15:10	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/02/11 15:10	1
Bromoform	<1.0	*	1.0		ug/L			08/02/11 15:10	1
Bromomethane	<1.0		1.0		ug/L			08/02/11 15:10	1
2-Butanone (MEK)	<10		10		ug/L			08/02/11 15:10	1
Carbon disulfide	<2.0		2.0		ug/L			08/02/11 15:10	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/02/11 15:10	1
Chlorobenzene	<1.0		1.0		ug/L			08/02/11 15:10	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/02/11 15:10	1
Chloroethane	<1.0		1.0		ug/L			08/02/11 15:10	1
Chloroform	<1.0		1.0		ug/L			08/02/11 15:10	1
Chloromethane	<1.0		1.0		ug/L			08/02/11 15:10	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/02/11 15:10	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/02/11 15:10	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/02/11 15:10	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/02/11 15:10	1
Dibromomethane	<1.0		1.0		ug/L			08/02/11 15:10	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/02/11 15:10	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/02/11 15:10	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/02/11 15:10	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/02/11 15:10	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 15:10	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 15:10	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/02/11 15:10	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/02/11 15:10	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 15:10	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 15:10	1
Ethylbenzene	<1.0		1.0		ug/L			08/02/11 15:10	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/02/11 15:10	1
2-Hexanone	<10		10		ug/L			08/02/11 15:10	1
Iodomethane	<5.0		5.0		ug/L			08/02/11 15:10	1
Isobutyl alcohol	<40		40		ug/L			08/02/11 15:10	1
Methacrylonitrile	<20		20		ug/L			08/02/11 15:10	1
Methylene Chloride	<5.0		5.0		ug/L			08/02/11 15:10	1
Methyl methacrylate	<1.0		1.0		ug/L			08/02/11 15:10	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/02/11 15:10	1
Pentachloroethane	<5.0		5.0		ug/L			08/02/11 15:10	1
Propionitrile	<20		20		ug/L			08/02/11 15:10	1
Styrene	<1.0		1.0		ug/L			08/02/11 15:10	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 15:10	1
1,1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 15:10	1
Tetrachloroethene	<1.0		1.0		ug/L			08/02/11 15:10	1
Toluene	<1.0		1.0		ug/L			08/02/11 15:10	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/02/11 15:10	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/02/11 15:10	1
Trichloroethene	<1.0		1.0		ug/L			08/02/11 15:10	1

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TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
 Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW09-072811

Lab Sample ID: 680-70860-8

Date Collected: 07/28/11 10:10

Matrix: Water

Date Received: 07/29/11 09:27

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			08/02/11 15:10	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/02/11 15:10	1
Vinyl acetate	<2.0		2.0		ug/L			08/02/11 15:10	1
Vinyl chloride	<1.0		1.0		ug/L			08/02/11 15:10	1
Xylenes, Total	<2.0		2.0		ug/L			08/02/11 15:10	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		70 - 130					08/02/11 15:10	1
Dibromofluoromethane	106		70 - 130					08/02/11 15:10	1
Toluene-d8 (Surr)	99		70 - 130					08/02/11 15:10	1

Client Sample Results

Client: Ashland Inc.
 Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW07-072811

Lab Sample ID: 680-70860-9

Date Collected: 07/28/11 10:54

Matrix: Water

Date Received: 07/29/11 09:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Acetone	<25		25		ug/L			08/02/11 15:39	1
Acetonitrile	<40		40		ug/L			08/02/11 15:39	1
Acrolein	<20		20		ug/L			08/02/11 15:39	1
Acrylonitrile	<20		20		ug/L			08/02/11 15:39	1
Benzene	<1.0		1.0		ug/L			08/02/11 15:39	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/02/11 15:39	1
Bromoform	<1.0		1.0		ug/L			08/02/11 15:39	1
Bromomethane	<1.0		1.0		ug/L			08/02/11 15:39	1
2-Butanone (MEK)	<10		10		ug/L			08/02/11 15:39	1
Carbon disulfide	<2.0		2.0		ug/L			08/02/11 15:39	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/02/11 15:39	1
Chlorobenzene	<1.0		1.0		ug/L			08/02/11 15:39	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/02/11 15:39	1
Chloroethane	<1.0		1.0		ug/L			08/02/11 15:39	1
Chloroform	<1.0		1.0		ug/L			08/02/11 15:39	1
Chloromethane	<1.0		1.0		ug/L			08/02/11 15:39	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/02/11 15:39	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/02/11 15:39	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/02/11 15:39	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/02/11 15:39	1
Dibromomethane	<1.0		1.0		ug/L			08/02/11 15:39	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/02/11 15:39	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/02/11 15:39	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/02/11 15:39	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/02/11 15:39	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 15:39	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 15:39	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/02/11 15:39	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/02/11 15:39	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 15:39	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 15:39	1
Ethylbenzene	<1.0		1.0		ug/L			08/02/11 15:39	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/02/11 15:39	1
2-Hexanone	<10		10		ug/L			08/02/11 15:39	1
Iodomethane	<5.0		5.0		ug/L			08/02/11 15:39	1
Isobutyl alcohol	<40		40		ug/L			08/02/11 15:39	1
Methacrylonitrile	<20		20		ug/L			08/02/11 15:39	1
Methylene Chloride	<5.0		5.0		ug/L			08/02/11 15:39	1
Methyl methacrylate	<1.0		1.0		ug/L			08/02/11 15:39	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/02/11 15:39	1
Pentachloroethane	<5.0		5.0		ug/L			08/02/11 15:39	1
Propionitrile	<20		20		ug/L			08/02/11 15:39	1
Styrene	<1.0		1.0		ug/L			08/02/11 15:39	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 15:39	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 15:39	1
Tetrachloroethene	<1.0		1.0		ug/L			08/02/11 15:39	1
Toluene	<1.0		1.0		ug/L			08/02/11 15:39	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/02/11 15:39	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/02/11 15:39	1
Trichloroethene	<1.0		1.0		ug/L			08/02/11 15:39	1

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Client Sample Results

Client: Ashland Inc.
 Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW07-072811

Lab Sample ID: 680-70860-9

Date Collected: 07/28/11 10:54

Matrix: Water

Date Received: 07/29/11 09:27

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			08/02/11 15:39	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/02/11 15:39	1
Vinyl acetate	<2.0		2.0		ug/L			08/02/11 15:39	1
Vinyl chloride	<1.0		1.0		ug/L			08/02/11 15:39	1
Xylenes, Total	<2.0		2.0		ug/L			08/02/11 15:39	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		70 - 130					08/02/11 15:39	1
Dibromofluoromethane	107		70 - 130					08/02/11 15:39	1
Toluene-d8 (Surr)	100		70 - 130					08/02/11 15:39	1

Client Sample Results

Client: Ashland Inc.
 Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: Trip Blank 063011

Lab Sample ID: 680-70860-10

Date Collected: 07/28/11 00:00

Matrix: Water

Date Received: 07/29/11 09:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Acetone	<25		25		ug/L			08/02/11 14:40	1
Acetonitrile	<40		40		ug/L			08/02/11 14:40	1
Acrolein	<20		20		ug/L			08/02/11 14:40	1
Acrylonitrile	<20		20		ug/L			08/02/11 14:40	1
Benzene	<1.0		1.0		ug/L			08/02/11 14:40	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/02/11 14:40	1
Bromoform	<1.0		1.0		ug/L			08/02/11 14:40	1
Bromomethane	<1.0		1.0		ug/L			08/02/11 14:40	1
2-Butanone (MEK)	<10		10		ug/L			08/02/11 14:40	1
Carbon disulfide	<2.0		2.0		ug/L			08/02/11 14:40	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/02/11 14:40	1
Chlorobenzene	<1.0		1.0		ug/L			08/02/11 14:40	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/02/11 14:40	1
Chloroethane	<1.0		1.0		ug/L			08/02/11 14:40	1
Chloroform	<1.0		1.0		ug/L			08/02/11 14:40	1
Chloromethane	<1.0		1.0		ug/L			08/02/11 14:40	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/02/11 14:40	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/02/11 14:40	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/02/11 14:40	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/02/11 14:40	1
Dibromomethane	<1.0		1.0		ug/L			08/02/11 14:40	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/02/11 14:40	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/02/11 14:40	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/02/11 14:40	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/02/11 14:40	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 14:40	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 14:40	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/02/11 14:40	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/02/11 14:40	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 14:40	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 14:40	1
Ethylbenzene	<1.0		1.0		ug/L			08/02/11 14:40	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/02/11 14:40	1
2-Hexanone	<10		10		ug/L			08/02/11 14:40	1
Iodomethane	<5.0		5.0		ug/L			08/02/11 14:40	1
Isobutyl alcohol	<40		40		ug/L			08/02/11 14:40	1
Methacrylonitrile	<20		20		ug/L			08/02/11 14:40	1
Methylene Chloride	<5.0		5.0		ug/L			08/02/11 14:40	1
Methyl methacrylate	<1.0		1.0		ug/L			08/02/11 14:40	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/02/11 14:40	1
Pentachloroethane	<5.0		5.0		ug/L			08/02/11 14:40	1
Propionitrile	<20		20		ug/L			08/02/11 14:40	1
Styrene	<1.0		1.0		ug/L			08/02/11 14:40	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 14:40	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 14:40	1
Tetrachloroethene	<1.0		1.0		ug/L			08/02/11 14:40	1
Toluene	<1.0		1.0		ug/L			08/02/11 14:40	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/02/11 14:40	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/02/11 14:40	1
Trichloroethene	<1.0		1.0		ug/L			08/02/11 14:40	1

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TestAmerica Savannah

Client Sample Results

Client: Ashland Inc.
 Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: Trip Blank 063011

Lab Sample ID: 680-70860-10

Date Collected: 07/28/11 00:00

Matrix: Water

Date Received: 07/29/11 09:27

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Trichlorofluoromethane	<1.0		1.0		ug/L			08/02/11 14:40	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/02/11 14:40	1
Vinyl acetate	<2.0		2.0		ug/L			08/02/11 14:40	1
Vinyl chloride	<1.0		1.0		ug/L			08/02/11 14:40	1
Xylenes, Total	<2.0		2.0		ug/L			08/02/11 14:40	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	DII Fac
4-Bromofluorobenzene	94		70 - 130					08/02/11 14:40	1
Dibromofluoromethane	108		70 - 130					08/02/11 14:40	1
Toluene-d8 (Surr)	102		70 - 130					08/02/11 14:40	1

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Surrogate Summary

Client: Ashland Inc.
 Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (70-130)	DBFM (70-130)	TOL (70-130)
680-70860-1	ASH-RS2-072811	107	105	94
680-70860-2	ASH-DUP-072811	95	108	98
680-70860-3 - RA	ASH-MW14-072811	94	107	100
680-70860-3	ASH-MW14-072811	101	102	97
680-70860-3 MS	ASH-MW14-072811	96	98	95
680-70860-3 MSD	ASH-MW14-072811	100	102	98
680-70860-4	ASH-MW15-072811	96	107	101
680-70860-5 - RA	ASH-MW05-072811	91	109	100
680-70860-5	ASH-MW05-072811	99	101	100
680-70860-6	ASH-MW06-072811	93	107	100
680-70860-7 - RA	ASH-MW16-072811	95	109	97
680-70860-7	ASH-MW16-072811	99	101	99
680-70860-8	ASH-MW09-072811	98	106	99
680-70860-9	ASH-MW07-072811	92	107	100
680-70860-10	Trip Blank 063011	94	108	102
LCS 680-210749/12	Lab Control Sample	103	108	103
LCS 680-211111/6	Lab Control Sample	101	103	97
LCS 680-211446/20	Lab Control Sample	108	115	109
LCS 680-211655/4	Lab Control Sample	93	92	93
LCSD 680-210749/13	Lab Control Sample Dup	102	102	98
LCSD 680-211111/7	Lab Control Sample Dup	102	103	99
LCSD 680-211446/21	Lab Control Sample Dup	97	104	101
LCSD 680-211655/5	Lab Control Sample Dup	98	100	95
MB 680-210749/14	Method Blank	94	107	99
MB 680-211111/9	Method Blank	110	107	95
MB 680-211446/23	Method Blank	93	108	100
MB 680-211655/7	Method Blank	98	101	96

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

9

QC Sample Results

Client: Ashland Inc.
 Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

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

Lab Sample ID: MB 680-210749/14
 Matrix: Water
 Analysis Batch: 210749

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<25		25		ug/L			08/02/11 11:15	1
Acetonitrile	<40		40		ug/L			08/02/11 11:15	1
Acrolein	<20		20		ug/L			08/02/11 11:15	1
Acrylonitrile	<20		20		ug/L			08/02/11 11:15	1
Benzene	<1.0		1.0		ug/L			08/02/11 11:15	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/02/11 11:15	1
Bromoform	<1.0		1.0		ug/L			08/02/11 11:15	1
Bromomethane	<1.0		1.0		ug/L			08/02/11 11:15	1
2-Butanone (MEK)	<10		10		ug/L			08/02/11 11:15	1
Carbon disulfide	<2.0		2.0		ug/L			08/02/11 11:15	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/02/11 11:15	1
Chlorobenzene	<1.0		1.0		ug/L			08/02/11 11:15	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/02/11 11:15	1
Chloroethane	<1.0		1.0		ug/L			08/02/11 11:15	1
Chloroform	<1.0		1.0		ug/L			08/02/11 11:15	1
Chloromethane	<1.0		1.0		ug/L			08/02/11 11:15	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/02/11 11:15	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/02/11 11:15	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/02/11 11:15	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/02/11 11:15	1
Dibromomethane	<1.0		1.0		ug/L			08/02/11 11:15	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/02/11 11:15	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/02/11 11:15	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/02/11 11:15	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/02/11 11:15	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 11:15	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 11:15	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/02/11 11:15	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/02/11 11:15	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 11:15	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 11:15	1
Ethylbenzene	<1.0		1.0		ug/L			08/02/11 11:15	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/02/11 11:15	1
2-Hexanone	<10		10		ug/L			08/02/11 11:15	1
Iodomethane	<5.0		5.0		ug/L			08/02/11 11:15	1
Isobutyl alcohol	<40		40		ug/L			08/02/11 11:15	1
Methacrylonitrile	<20		20		ug/L			08/02/11 11:15	1
Methylene Chloride	<5.0		5.0		ug/L			08/02/11 11:15	1
Methyl methacrylate	<1.0		1.0		ug/L			08/02/11 11:15	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/02/11 11:15	1
Pentachloroethane	<5.0		5.0		ug/L			08/02/11 11:15	1
Propionitrile	<20		20		ug/L			08/02/11 11:15	1
Styrene	<1.0		1.0		ug/L			08/02/11 11:15	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 11:15	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 11:15	1
Tetrachloroethene	<1.0		1.0		ug/L			08/02/11 11:15	1
Toluene	<1.0		1.0		ug/L			08/02/11 11:15	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/02/11 11:15	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/02/11 11:15	1

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

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

Lab Sample ID: MB 680-210749/14
Matrix: Water
Analysis Batch: 210749

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Trichloroethene	<1.0		1.0		ug/L			08/02/11 11:15	1
Trichlorofluoromethane	<1.0		1.0		ug/L			08/02/11 11:15	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/02/11 11:15	1
Vinyl acetate	<2.0		2.0		ug/L			08/02/11 11:15	1
Vinyl chloride	<1.0		1.0		ug/L			08/02/11 11:15	1
Xylenes, Total	<2.0		2.0		ug/L			08/02/11 11:15	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
4-Bromofluorobenzene	94		70 - 130		08/02/11 11:15	1
Dibromofluoromethane	107		70 - 130		08/02/11 11:15	1
Toluene-d8 (Surr)	99		70 - 130		08/02/11 11:15	1

Lab Sample ID: LCS 680-210749/12
Matrix: Water
Analysis Batch: 210749

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Acetone	100	126		ug/L		126	26 - 180
Benzene	50.0	49.8		ug/L		100	70 - 130
Dichlorobromomethane	50.0	45.3		ug/L		91	70 - 130
Bromoform	50.0	34.8		ug/L		70	70 - 130
Bromomethane	50.0	27.7		ug/L		55	23 - 165
2-Butanone (MEK)	100	109		ug/L		109	49 - 172
Carbon disulfide	50.0	48.4		ug/L		97	54 - 132
Carbon tetrachloride	50.0	37.8		ug/L		76	70 - 130
Chlorobenzene	50.0	52.9		ug/L		106	70 - 130
Chloroethane	50.0	49.2		ug/L		98	56 - 152
Chloroform	50.0	52.2		ug/L		104	70 - 130
Chloromethane	50.0	53.3		ug/L		107	70 - 130
Chlorodibromomethane	50.0	41.3		ug/L		83	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	36.7		ug/L		73	70 - 130
Ethylene Dibromide	50.0	52.7		ug/L		105	70 - 130
Dibromomethane	50.0	51.1		ug/L		102	70 - 130
Dichlorodifluoromethane	50.0	52.3		ug/L		105	44 - 146
1,1-Dichloroethane	50.0	50.4		ug/L		101	70 - 130
1,2-Dichloroethane	50.0	49.5		ug/L		99	70 - 130
cis-1,2-Dichloroethene	50.0	52.6		ug/L		105	70 - 130
trans-1,2-Dichloroethene	50.0	52.3		ug/L		105	70 - 130
1,1-Dichloroethene	50.0	53.0		ug/L		106	66 - 131
1,2-Dichloropropane	50.0	49.3		ug/L		99	70 - 130
cis-1,3-Dichloropropene	50.0	45.8		ug/L		92	70 - 130
trans-1,3-Dichloropropene	50.0	45.4		ug/L		91	70 - 130
Ethylbenzene	50.0	50.7		ug/L		101	70 - 130
2-Hexanone	100	114		ug/L		114	42 - 185
Methylene Chloride	50.0	53.1		ug/L		106	67 - 130
4-Methyl-2-pentanone (MIBK)	100	97.5		ug/L		98	70 - 130
Styrene	50.0	53.8		ug/L		108	70 - 130
1,1,1,2-Tetrachloroethane	50.0	44.6		ug/L		89	70 - 130
1,1,2,2-Tetrachloroethane	50.0	51.0		ug/L		102	70 - 130

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

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

Lab Sample ID: LCS 680-210749/12

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 210749

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Tetrachloroethene	50.0	53.2		ug/L		106	70 - 130
Toluene	50.0	50.7		ug/L		101	70 - 130
1,1,1-Trichloroethane	50.0	46.6		ug/L		93	70 - 130
1,1,2-Trichloroethane	50.0	52.4		ug/L		105	70 - 130
Trichloroethene	50.0	51.9		ug/L		104	70 - 130
Trichlorofluoromethane	50.0	52.5		ug/L		105	55 - 156
1,2,3-Trichloropropane	50.0	52.3		ug/L		105	70 - 130
Vinyl acetate	100	94.8		ug/L		95	60 - 176
Vinyl chloride	50.0	53.6		ug/L		107	67 - 134
Xylenes, Total	150	157		ug/L		105	70 - 130

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	103		70 - 130
Dibromofluoromethane	108		70 - 130
Toluene-d8 (Surf)	103		70 - 130

Lab Sample ID: LCSD 680-210749/13

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 210749

Analyte	Spike Added	LCSD LCSD		Unit	D	% Rec	% Rec. Limits	RPD	
		Result	Qualifier					RPD	Limit
Acetone	100	122		ug/L		122	26 - 180	3	50
Benzene	50.0	47.8		ug/L		96	70 - 130	4	30
Dichlorobromomethane	50.0	42.9		ug/L		86	70 - 130	5	30
Bromoform	50.0	33.0		ug/L		66	70 - 130	5	30
Bromomethane	50.0	28.5		ug/L		57	23 - 165	3	50
2-Butanone (MEK)	100	106		ug/L		106	49 - 172	3	30
Carbon disulfide	50.0	46.5		ug/L		93	54 - 132	4	30
Carbon tetrachloride	50.0	37.1		ug/L		74	70 - 130	2	30
Chlorobenzene	50.0	50.7		ug/L		101	70 - 130	4	30
Chloroethane	50.0	47.8		ug/L		96	56 - 152	3	40
Chloroform	50.0	50.8		ug/L		102	70 - 130	3	30
Chloromethane	50.0	51.0		ug/L		102	70 - 130	5	30
Chlorodibromomethane	50.0	38.9		ug/L		78	70 - 130	6	50
1,2-Dibromo-3-Chloropropane	50.0	35.7		ug/L		71	70 - 130	3	50
Ethylene Dibromide	50.0	48.4		ug/L		97	70 - 130	9	30
Dibromomethane	50.0	49.1		ug/L		98	70 - 130	4	30
Dichlorodifluoromethane	50.0	52.4		ug/L		105	44 - 146	0	50
1,1-Dichloroethane	50.0	48.5		ug/L		97	70 - 130	4	30
1,2-Dichloroethane	50.0	47.5		ug/L		95	70 - 130	4	30
cis-1,2-Dichloroethene	50.0	49.5		ug/L		99	70 - 130	6	30
trans-1,2-Dichloroethene	50.0	50.2		ug/L		100	70 - 130	4	30
1,1-Dichloroethene	50.0	52.3		ug/L		105	66 - 131	1	30
1,2-Dichloropropane	50.0	46.9		ug/L		94	70 - 130	5	30
cis-1,3-Dichloropropene	50.0	43.9		ug/L		88	70 - 130	4	30
trans-1,3-Dichloropropene	50.0	42.1		ug/L		84	70 - 130	8	50
Ethylbenzene	50.0	48.4		ug/L		97	70 - 130	5	30
2-Hexanone	100	109		ug/L		109	42 - 185	4	30
Methylene Chloride	50.0	51.1		ug/L		102	67 - 130	4	30

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

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

Lab Sample ID: LCSD 680-210749/13

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 210749

Analyte	Spike Added	LCSD		Unit	D	% Rec	% Rec.		RPD	Limit
		Result	Qualifier				Limits	RPD		
4-Methyl-2-pentanone (MIBK)	100	93.7		ug/L		94	70 - 130	4	30	
Styrene	50.0	52.3		ug/L		105	70 - 130	3	30	
1,1,1,2-Tetrachloroethane	50.0	41.5		ug/L		83	70 - 130	7	30	
1,1,2,2-Tetrachloroethane	50.0	49.3		ug/L		99	70 - 130	3	30	
Tetrachloroethane	50.0	51.1		ug/L		102	70 - 130	4	30	
Toluene	50.0	47.0		ug/L		94	70 - 130	8	30	
1,1,1-Trichloroethane	50.0	44.1		ug/L		88	70 - 130	6	30	
1,1,2-Trichloroethane	50.0	48.7		ug/L		97	70 - 130	7	30	
Trichloroethene	50.0	50.2		ug/L		100	70 - 130	3	30	
Trichlorofluoromethane	50.0	52.7		ug/L		105	55 - 156	0	30	
1,2,3-Trichloropropane	50.0	50.4		ug/L		101	70 - 130	4	30	
Vinyl acetate	100	96.1		ug/L		96	60 - 176	1	30	
Vinyl chloride	50.0	51.6		ug/L		103	67 - 134	4	30	
Xylenes, Total	150	152		ug/L		101	70 - 130	4	30	

Surrogate	LCSD		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	102		70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: MB 680-211111/9

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 211111

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
	Result	Qualifier							
Acetone	<25		25		ug/L			08/04/11 12:39	1
Acetonitrile	<40		40		ug/L			08/04/11 12:39	1
Acrolein	<20		20		ug/L			08/04/11 12:39	1
Acrylonitrile	<20		20		ug/L			08/04/11 12:39	1
Benzene	<1.0		1.0		ug/L			08/04/11 12:39	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/04/11 12:39	1
Bromoform	<1.0		1.0		ug/L			08/04/11 12:39	1
Bromomethane	<1.0		1.0		ug/L			08/04/11 12:39	1
2-Butanone (MEK)	<10		10		ug/L			08/04/11 12:39	1
Carbon disulfide	<2.0		2.0		ug/L			08/04/11 12:39	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/04/11 12:39	1
Chlorobenzene	<1.0		1.0		ug/L			08/04/11 12:39	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/04/11 12:39	1
Chloroethane	<1.0		1.0		ug/L			08/04/11 12:39	1
Chloroform	<1.0		1.0		ug/L			08/04/11 12:39	1
Chloromethane	<1.0		1.0		ug/L			08/04/11 12:39	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/04/11 12:39	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/04/11 12:39	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/04/11 12:39	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/04/11 12:39	1
Dibromomethane	<1.0		1.0		ug/L			08/04/11 12:39	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/04/11 12:39	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/04/11 12:39	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/04/11 12:39	1

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

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

Lab Sample ID: MB 680-21111/9
Matrix: Water
Analysis Batch: 211111

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2-Dichloroethane	<1.0		1.0		ug/L			08/04/11 12:39	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/04/11 12:39	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/04/11 12:39	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/04/11 12:39	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/04/11 12:39	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/04/11 12:39	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/04/11 12:39	1
Ethylbenzene	<1.0		1.0		ug/L			08/04/11 12:39	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/04/11 12:39	1
2-Hexanone	<10		10		ug/L			08/04/11 12:39	1
Iodomethane	<5.0		5.0		ug/L			08/04/11 12:39	1
Isobutyl alcohol	<40		40		ug/L			08/04/11 12:39	1
Methacrylonitrile	<20		20		ug/L			08/04/11 12:39	1
Methylene Chloride	<5.0		5.0		ug/L			08/04/11 12:39	1
Methyl methacrylate	<1.0		1.0		ug/L			08/04/11 12:39	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/04/11 12:39	1
Pentachloroethane	<5.0		5.0		ug/L			08/04/11 12:39	1
Propionitrile	<20		20		ug/L			08/04/11 12:39	1
Styrene	<1.0		1.0		ug/L			08/04/11 12:39	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/04/11 12:39	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/04/11 12:39	1
Tetrachloroethene	<1.0		1.0		ug/L			08/04/11 12:39	1
Toluene	<1.0		1.0		ug/L			08/04/11 12:39	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/04/11 12:39	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/04/11 12:39	1
Trichloroethene	<1.0		1.0		ug/L			08/04/11 12:39	1
Trichlorofluoromethane	<1.0		1.0		ug/L			08/04/11 12:39	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/04/11 12:39	1
Vinyl acetate	<2.0		2.0		ug/L			08/04/11 12:39	1
Vinyl chloride	<1.0		1.0		ug/L			08/04/11 12:39	1
Xylenes, Total	<2.0		2.0		ug/L			08/04/11 12:39	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
4-Bromofluorobenzene	110		70 - 130		08/04/11 12:39	1
Dibromofluoromethane	107		70 - 130		08/04/11 12:39	1
Toluene-d8 (Surr)	95		70 - 130		08/04/11 12:39	1

Lab Sample ID: LCS 680-21111/6
Matrix: Water
Analysis Batch: 211111

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Acetone	100	88.5		ug/L		89	26 - 180
Benzene	50.0	47.6		ug/L		95	70 - 130
Dichlorobromomethane	50.0	50.1		ug/L		100	70 - 130
Bromoform	50.0	55.4		ug/L		111	70 - 130
Bromomethane	50.0	29.2		ug/L		58	23 - 165
2-Butanone (MEK)	100	89.3		ug/L		89	49 - 172
Carbon disulfide	50.0	48.1		ug/L		96	54 - 132

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

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

Lab Sample ID: LCS 680-211111/6

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Matrix: Water

Analysis Batch: 211111

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Carbon tetrachloride	50.0	52.4		ug/L		105	70 - 130
Chlorobenzene	50.0	52.0		ug/L		104	70 - 130
Chloroethane	50.0	37.1		ug/L		74	56 - 152
Chloroform	50.0	50.7		ug/L		101	70 - 130
Chloromethane	50.0	46.6		ug/L		93	70 - 130
Chlorodibromomethane	50.0	55.0		ug/L		110	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	43.0		ug/L		86	70 - 130
Ethylene Dibromide	50.0	40.8		ug/L		82	70 - 130
Dibromomethane	50.0	45.0		ug/L		90	70 - 130
Dichlorodifluoromethane	50.0	50.9		ug/L		102	44 - 146
1,1-Dichloroethane	50.0	48.0		ug/L		96	70 - 130
1,2-Dichloroethane	50.0	46.7		ug/L		93	70 - 130
cis-1,2-Dichloroethene	50.0	50.4		ug/L		101	70 - 130
trans-1,2-Dichloroethene	50.0	50.8		ug/L		102	70 - 130
1,1-Dichloroethene	50.0	50.1		ug/L		100	66 - 131
1,2-Dichloropropane	50.0	46.4		ug/L		93	70 - 130
cis-1,3-Dichloropropene	50.0	46.7		ug/L		93	70 - 130
trans-1,3-Dichloropropene	50.0	47.9		ug/L		96	70 - 130
Ethylbenzene	50.0	50.8		ug/L		102	70 - 130
2-Hexanone	100	91.1		ug/L		91	42 - 185
Methylene Chloride	50.0	50.8		ug/L		102	67 - 130
4-Methyl-2-pentanone (MIBK)	100	89.2		ug/L		89	70 - 130
Styrene	50.0	53.3		ug/L		107	70 - 130
1,1,1,2-Tetrachloroethane	50.0	54.4		ug/L		109	70 - 130
1,1,2,2-Tetrachloroethane	50.0	50.0		ug/L		100	70 - 130
Tetrachloroethene	50.0	55.0		ug/L		110	70 - 130
Toluene	50.0	49.2		ug/L		98	70 - 130
1,1,1-Trichloroethane	50.0	51.0		ug/L		102	70 - 130
1,1,2-Trichloroethane	50.0	48.1		ug/L		96	70 - 130
Trichloroethene	50.0	50.8		ug/L		102	70 - 130
Trichlorofluoromethane	50.0	48.9		ug/L		98	55 - 156
1,2,3-Trichloropropane	50.0	47.9		ug/L		96	70 - 130
Vinyl acetate	100	106		ug/L		106	60 - 176
Vinyl chloride	50.0	42.1		ug/L		84	67 - 134
Xylenes, Total	150	157		ug/L		105	70 - 130

Surrogate	LCS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	101		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8 (Surr)	97		70 - 130

Lab Sample ID: LCSD 680-211111/7

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Matrix: Water

Analysis Batch: 211111

Analyte	Spike Added	LCSD		Unit	D	% Rec	% Rec. Limits	RPD	
		Result	Qualifier					RPD	Limit
Acetone	100	90.8		ug/L		91	26 - 180	3	50
Benzene	50.0	48.2		ug/L		96	70 - 130	1	30
Dichlorobromomethane	50.0	50.8		ug/L		102	70 - 130	1	30

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

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

Lab Sample ID: LCSD 680-211111/7

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 211111

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Bromofom	50.0	54.1		ug/L		108	70 - 130	2	30
Bromomethane	50.0	34.9		ug/L		70	23 - 165	18	50
2-Butanone (MEK)	100	91.0		ug/L		91	49 - 172	2	30
Carbon disulfide	50.0	47.1		ug/L		94	54 - 132	2	30
Carbon tetrachloride	50.0	52.8		ug/L		106	70 - 130	1	30
Chlorobenzene	50.0	51.5		ug/L		103	70 - 130	1	30
Chloroethane	50.0	38.4		ug/L		77	56 - 152	4	40
Chloroform	50.0	50.1		ug/L		100	70 - 130	1	30
Chloromethane	50.0	45.1		ug/L		90	70 - 130	3	30
Chlorodibromomethane	50.0	54.5		ug/L		109	70 - 130	1	50
1,2-Dibromo-3-Chloropropane	50.0	44.9		ug/L		90	70 - 130	4	50
Ethylene Dibromide	50.0	42.4		ug/L		85	70 - 130	4	30
Dibromomethane	50.0	47.7		ug/L		95	70 - 130	6	30
Dichlorodifluoromethane	50.0	48.4		ug/L		97	44 - 146	5	50
1,1-Dichloroethane	50.0	47.9		ug/L		96	70 - 130	0	30
1,2-Dichloroethane	50.0	48.0		ug/L		96	70 - 130	3	30
cis-1,2-Dichloroethene	50.0	50.0		ug/L		100	70 - 130	1	30
trans-1,2-Dichloroethene	50.0	50.1		ug/L		100	70 - 130	1	30
1,1-Dichloroethene	50.0	50.2		ug/L		100	66 - 131	0	30
1,2-Dichloropropane	50.0	47.2		ug/L		94	70 - 130	2	30
cis-1,3-Dichloropropene	50.0	46.4		ug/L		93	70 - 130	1	30
trans-1,3-Dichloropropene	50.0	47.7		ug/L		95	70 - 130	0	50
Ethylbenzene	50.0	50.3		ug/L		101	70 - 130	1	30
2-Hexanone	100	93.1		ug/L		93	42 - 185	2	30
Methylene Chloride	50.0	50.2		ug/L		100	67 - 130	1	30
4-Methyl-2-pentanone (MIBK)	100	91.8		ug/L		92	70 - 130	3	30
Styrene	50.0	53.1		ug/L		106	70 - 130	0	30
1,1,1,2-Tetrachloroethane	50.0	53.3		ug/L		107	70 - 130	2	30
1,1,2,2-Tetrachloroethane	50.0	49.9		ug/L		100	70 - 130	0	30
Tetrachloroethene	50.0	54.2		ug/L		108	70 - 130	2	30
Toluene	50.0	50.9		ug/L		102	70 - 130	3	30
1,1,1-Trichloroethane	50.0	51.3		ug/L		103	70 - 130	0	30
1,1,2-Trichloroethane	50.0	50.2		ug/L		100	70 - 130	4	30
Trichloroethene	50.0	51.8		ug/L		104	70 - 130	2	30
Trichlorofluoromethane	50.0	47.9		ug/L		96	55 - 156	2	30
1,2,3-Trichloropropane	50.0	48.2		ug/L		96	70 - 130	1	30
Vinyl acetate	100	122		ug/L		122	60 - 176	14	30
Vinyl chloride	50.0	39.7		ug/L		79	67 - 134	6	30
Xylenes, Total	150	155		ug/L		103	70 - 130	1	30

Surrogate	LCSD LCSD		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	102		70 - 130
Dibromofluoromethane	103		70 - 130
Toluene-d8 (Surr)	99		70 - 130

QC Sample Results

Client: Ashland Inc.
 Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

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

Lab Sample ID: MB 680-211446/23

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 211446

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
	Result	Qualifier							
Acetone	<25		25		ug/L			08/08/11 18:19	1
Acetonitrile	<40		40		ug/L			08/08/11 18:19	1
Acrolein	<20		20		ug/L			08/08/11 18:19	1
Acrylonitrile	<20		20		ug/L			08/08/11 18:19	1
Benzene	<1.0		1.0		ug/L			08/08/11 18:19	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/08/11 18:19	1
Bromoform	<1.0		1.0		ug/L			08/08/11 18:19	1
Bromomethane	<1.0		1.0		ug/L			08/08/11 18:19	1
2-Butanone (MEK)	<10		10		ug/L			08/08/11 18:19	1
Carbon disulfide	<2.0		2.0		ug/L			08/08/11 18:19	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/08/11 18:19	1
Chlorobenzene	<1.0		1.0		ug/L			08/08/11 18:19	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/08/11 18:19	1
Chloroethane	<1.0		1.0		ug/L			08/08/11 18:19	1
Chloroform	<1.0		1.0		ug/L			08/08/11 18:19	1
Chloromethane	<1.0		1.0		ug/L			08/08/11 18:19	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/08/11 18:19	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/08/11 18:19	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/08/11 18:19	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/08/11 18:19	1
Dibromomethane	<1.0		1.0		ug/L			08/08/11 18:19	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/08/11 18:19	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/08/11 18:19	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/08/11 18:19	1
1,2-Dichloroethane	<1.0		1.0		ug/L			08/08/11 18:19	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/08/11 18:19	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/08/11 18:19	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/08/11 18:19	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/08/11 18:19	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/08/11 18:19	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/08/11 18:19	1
Ethylbenzene	<1.0		1.0		ug/L			08/08/11 18:19	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/08/11 18:19	1
2-Hexanone	<10		10		ug/L			08/08/11 18:19	1
Iodomethane	<5.0		5.0		ug/L			08/08/11 18:19	1
Isobutyl alcohol	<40		40		ug/L			08/08/11 18:19	1
Methacrylonitrile	<20		20		ug/L			08/08/11 18:19	1
Methylene Chloride	<5.0		5.0		ug/L			08/08/11 18:19	1
Methyl methacrylate	<1.0		1.0		ug/L			08/08/11 18:19	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/08/11 18:19	1
Pentachloroethane	<5.0		5.0		ug/L			08/08/11 18:19	1
Propionitrile	<20		20		ug/L			08/08/11 18:19	1
Styrene	<1.0		1.0		ug/L			08/08/11 18:19	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/08/11 18:19	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/08/11 18:19	1
Tetrachloroethene	<1.0		1.0		ug/L			08/08/11 18:19	1
Toluene	<1.0		1.0		ug/L			08/08/11 18:19	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/08/11 18:19	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/08/11 18:19	1

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

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

Lab Sample ID: MB 680-211446/23

Matrix: Water

Analysis Batch: 211446

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
	Result	Qualifier							
Trichloroethene	<1.0		1.0		ug/L			08/08/11 18:19	1
Trichlorofluoromethane	<1.0		1.0		ug/L			08/08/11 18:19	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/08/11 18:19	1
Vinyl acetate	<2.0		2.0		ug/L			08/08/11 18:19	1
Vinyl chloride	<1.0		1.0		ug/L			08/08/11 18:19	1
Xylenes, Total	<2.0		2.0		ug/L			08/08/11 18:19	1

Surrogate	MB MB		Limits	Prepared	Analyzed	DII Fac
	% Recovery	Qualifier				
4-Bromofluorobenzene	93		70 - 130		08/08/11 18:19	1
Dibromofluoromethane	108		70 - 130		08/08/11 18:19	1
Toluene-d8 (Surr)	100		70 - 130		08/08/11 18:19	1

Lab Sample ID: LCS 680-211446/20

Matrix: Water

Analysis Batch: 211446

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Acetone	100	126		ug/L		126	26 - 180
Benzene	50.0	53.1		ug/L		106	70 - 130
Dichlorobromomethane	50.0	47.0		ug/L		94	70 - 130
Bromoform	50.0	34.1	*	ug/L		68	70 - 130
Bromomethane	50.0	30.9		ug/L		62	23 - 165
2-Butanone (MEK)	100	117		ug/L		117	49 - 172
Carbon disulfide	50.0	52.9		ug/L		106	54 - 132
Carbon tetrachloride	50.0	37.5		ug/L		75	70 - 130
Chlorobenzene	50.0	54.5		ug/L		109	70 - 130
Chloroethane	50.0	45.7		ug/L		91	56 - 152
Chloroform	50.0	56.3		ug/L		113	70 - 130
Chloromethane	50.0	49.9		ug/L		100	70 - 130
Chlorodibromomethane	50.0	41.0		ug/L		82	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	38.4		ug/L		77	70 - 130
Ethylene Dibromide	50.0	54.5		ug/L		109	70 - 130
Dibromomethane	50.0	54.8		ug/L		110	70 - 130
Dichlorodifluoromethane	50.0	51.8		ug/L		104	44 - 146
1,1-Dichloroethane	50.0	55.2		ug/L		110	70 - 130
1,2-Dichloroethane	50.0	51.7		ug/L		103	70 - 130
cis-1,2-Dichloroethene	50.0	57.7		ug/L		115	70 - 130
trans-1,2-Dichloroethene	50.0	56.1		ug/L		112	70 - 130
1,1-Dichloroethene	50.0	57.5		ug/L		115	66 - 131
1,2-Dichloropropane	50.0	54.3		ug/L		109	70 - 130
cis-1,3-Dichloropropene	50.0	48.7		ug/L		97	70 - 130
trans-1,3-Dichloropropene	50.0	47.1		ug/L		94	70 - 130
Ethylbenzene	50.0	52.3		ug/L		105	70 - 130
2-Hexanone	100	116		ug/L		116	42 - 185
Methylene Chloride	50.0	57.9		ug/L		116	67 - 130
4-Methyl-2-pentanone (MIBK)	100	108		ug/L		108	70 - 130
Styrene	50.0	56.2		ug/L		112	70 - 130
1,1,1,2-Tetrachloroethane	50.0	43.1		ug/L		86	70 - 130
1,1,2,2-Tetrachloroethane	50.0	54.1		ug/L		108	70 - 130

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

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

Lab Sample ID: LCS 680-211446/20
Matrix: Water
Analysis Batch: 211446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Tetrachloroethene	50.0	55.6		ug/L		111	70 - 130
Toluene	50.0	53.0		ug/L		106	70 - 130
1,1,1-Trichloroethane	50.0	46.4		ug/L		93	70 - 130
1,1,2-Trichloroethane	50.0	55.2		ug/L		110	70 - 130
Trichloroethene	50.0	54.5		ug/L		109	70 - 130
Trichlorofluoromethane	50.0	52.8		ug/L		106	55 - 156
1,2,3-Trichloropropane	50.0	56.0		ug/L		112	70 - 130
Vinyl acetate	100	107		ug/L		107	60 - 176
Vinyl chloride	50.0	53.8		ug/L		108	67 - 134
Xylenes, Total	150	163		ug/L		108	70 - 130

Surrogate	LCS % Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	108		70 - 130
Dibromofluoromethane	115		70 - 130
Toluene-d8 (Surr)	109		70 - 130

Lab Sample ID: LCSD 680-211446/21
Matrix: Water
Analysis Batch: 211446

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD LCSD		Unit	D	% Rec	% Rec. Limits	RPD	
		Result	Qualifier					RPD	Limit
Acetone	100	113		ug/L		113	26 - 180	11	50
Benzene	50.0	49.3		ug/L		99	70 - 130	8	30
Dichlorobromomethane	50.0	43.5		ug/L		87	70 - 130	8	30
Bromoform	50.0	30.4	*	ug/L		61	70 - 130	11	30
Bromomethane	50.0	29.8		ug/L		60	23 - 165	3	50
2-Butanone (MEK)	100	106		ug/L		106	49 - 172	10	30
Carbon disulfide	50.0	47.6		ug/L		95	54 - 132	11	30
Carbon tetrachloride	50.0	35.9		ug/L		72	70 - 130	5	30
Chlorobenzene	50.0	49.1		ug/L		98	70 - 130	10	30
Chloroethane	50.0	36.7		ug/L		73	56 - 152	22	40
Chloroform	50.0	51.3		ug/L		103	70 - 130	9	30
Chloromethane	50.0	45.6		ug/L		91	70 - 130	9	30
Chlorodibromomethane	50.0	36.2		ug/L		72	70 - 130	12	50
1,2-Dibromo-3-Chloropropane	50.0	34.0	*	ug/L		68	70 - 130	12	50
Ethylene Dibromide	50.0	50.7		ug/L		101	70 - 130	7	30
Dibromomethane	50.0	50.3		ug/L		101	70 - 130	9	30
Dichlorodifluoromethane	50.0	47.3		ug/L		95	44 - 146	9	50
1,1-Dichloroethane	50.0	50.2		ug/L		100	70 - 130	9	30
1,2-Dichloroethane	50.0	47.6		ug/L		95	70 - 130	8	30
cis-1,2-Dichloroethene	50.0	52.0		ug/L		104	70 - 130	10	30
trans-1,2-Dichloroethene	50.0	50.7		ug/L		101	70 - 130	10	30
1,1-Dichloroethene	50.0	51.7		ug/L		103	66 - 131	11	30
1,2-Dichloropropane	50.0	49.5		ug/L		99	70 - 130	9	30
cis-1,3-Dichloropropene	50.0	45.0		ug/L		90	70 - 130	8	30
trans-1,3-Dichloropropene	50.0	43.6		ug/L		87	70 - 130	8	50
Ethylbenzene	50.0	46.3		ug/L		93	70 - 130	12	30
2-Hexanone	100	106		ug/L		106	42 - 185	9	30
Methylene Chloride	50.0	52.6		ug/L		105	67 - 130	10	30

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

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

Lab Sample ID: LCSD 680-211446/21
Matrix: Water
Analysis Batch: 211446

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	101		ug/L		101	70 - 130	7	30
Styrene	50.0	50.4		ug/L		101	70 - 130	11	30
1,1,1,2-Tetrachloroethane	50.0	39.1		ug/L		78	70 - 130	10	30
1,1,2,2-Tetrachloroethane	50.0	48.9		ug/L		98	70 - 130	10	30
Tetrachloroethane	50.0	49.5		ug/L		99	70 - 130	12	30
Toluene	50.0	48.7		ug/L		97	70 - 130	8	30
1,1,1-Trichloroethane	50.0	43.8		ug/L		88	70 - 130	6	30
1,1,2-Trichloroethane	50.0	50.8		ug/L		102	70 - 130	8	30
Trichloroethene	50.0	50.6		ug/L		101	70 - 130	7	30
Trichlorofluoromethane	50.0	48.2		ug/L		96	55 - 156	9	30
1,2,3-Trichloropropane	50.0	47.7		ug/L		95	70 - 130	16	30
Vinyl acetate	100	93.6		ug/L		94	60 - 176	14	30
Vinyl chloride	50.0	47.6		ug/L		95	67 - 134	12	30
Xylenes, Total	150	146		ug/L		97	70 - 130	11	30

Surrogate	LCSD		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	97		70 - 130
Dibromofluoromethane	104		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: MB 680-211655/7
Matrix: Water
Analysis Batch: 211655

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
	Result	Qualifier							
Acetone	<25		25		ug/L			08/02/11 11:29	1
Acetonitrile	<40		40		ug/L			08/02/11 11:29	1
Acrolein	<20		20		ug/L			08/02/11 11:29	1
Acrylonitrile	<20		20		ug/L			08/02/11 11:29	1
Benzene	<1.0		1.0		ug/L			08/02/11 11:29	1
Dichlorobromomethane	<1.0		1.0		ug/L			08/02/11 11:29	1
Bromoform	<1.0		1.0		ug/L			08/02/11 11:29	1
Bromomethane	<1.0		1.0		ug/L			08/02/11 11:29	1
2-Butanone (MEK)	<10		10		ug/L			08/02/11 11:29	1
Carbon disulfide	<2.0		2.0		ug/L			08/02/11 11:29	1
Carbon tetrachloride	<1.0		1.0		ug/L			08/02/11 11:29	1
Chlorobenzene	<1.0		1.0		ug/L			08/02/11 11:29	1
2-Chloro-1,3-butadiene	<1.0		1.0		ug/L			08/02/11 11:29	1
Chloroethane	<1.0		1.0		ug/L			08/02/11 11:29	1
Chloroform	<1.0		1.0		ug/L			08/02/11 11:29	1
Chloromethane	<1.0		1.0		ug/L			08/02/11 11:29	1
3-Chloro-1-propene	<1.0		1.0		ug/L			08/02/11 11:29	1
Chlorodibromomethane	<1.0		1.0		ug/L			08/02/11 11:29	1
1,2-Dibromo-3-Chloropropane	<1.0		1.0		ug/L			08/02/11 11:29	1
Ethylene Dibromide	<1.0		1.0		ug/L			08/02/11 11:29	1
Dibromomethane	<1.0		1.0		ug/L			08/02/11 11:29	1
trans-1,4-Dichloro-2-butene	<2.0		2.0		ug/L			08/02/11 11:29	1
Dichlorodifluoromethane	<1.0		1.0		ug/L			08/02/11 11:29	1
1,1-Dichloroethane	<1.0		1.0		ug/L			08/02/11 11:29	1

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

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

Lab Sample ID: MB 680-211655/7
Matrix: Water
Analysis Batch: 211655

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
	Result	Qualifier							
1,2-Dichloroethane	<1.0		1.0		ug/L			08/02/11 11:29	1
cis-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 11:29	1
trans-1,2-Dichloroethene	<1.0		1.0		ug/L			08/02/11 11:29	1
1,1-Dichloroethene	<1.0		1.0		ug/L			08/02/11 11:29	1
1,2-Dichloropropane	<1.0		1.0		ug/L			08/02/11 11:29	1
cis-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 11:29	1
trans-1,3-Dichloropropene	<1.0		1.0		ug/L			08/02/11 11:29	1
Ethylbenzene	<1.0		1.0		ug/L			08/02/11 11:29	1
Ethyl methacrylate	<1.0		1.0		ug/L			08/02/11 11:29	1
2-Hexanone	<10		10		ug/L			08/02/11 11:29	1
Iodomethane	<5.0		5.0		ug/L			08/02/11 11:29	1
Isobutyl alcohol	<40		40		ug/L			08/02/11 11:29	1
Methacrylonitrile	<20		20		ug/L			08/02/11 11:29	1
Methylene Chloride	<5.0		5.0		ug/L			08/02/11 11:29	1
Methyl methacrylate	<1.0		1.0		ug/L			08/02/11 11:29	1
4-Methyl-2-pentanone (MIBK)	<10		10		ug/L			08/02/11 11:29	1
Pentachloroethane	<5.0		5.0		ug/L			08/02/11 11:29	1
Propionitrile	<20		20		ug/L			08/02/11 11:29	1
Styrene	<1.0		1.0		ug/L			08/02/11 11:29	1
1,1,1,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 11:29	1
1,1,2,2-Tetrachloroethane	<1.0		1.0		ug/L			08/02/11 11:29	1
Tetrachloroethene	<1.0		1.0		ug/L			08/02/11 11:29	1
Toluene	<1.0		1.0		ug/L			08/02/11 11:29	1
1,1,1-Trichloroethane	<1.0		1.0		ug/L			08/02/11 11:29	1
1,1,2-Trichloroethane	<1.0		1.0		ug/L			08/02/11 11:29	1
Trichloroethene	<1.0		1.0		ug/L			08/02/11 11:29	1
Trichlorofluoromethane	<1.0		1.0		ug/L			08/02/11 11:29	1
1,2,3-Trichloropropane	<1.0		1.0		ug/L			08/02/11 11:29	1
Vinyl acetate	<2.0		2.0		ug/L			08/02/11 11:29	1
Vinyl chloride	<1.0		1.0		ug/L			08/02/11 11:29	1
Xylenes, Total	<2.0		2.0		ug/L			08/02/11 11:29	1

Surrogate	MB MB		Limits	Prepared	Analyzed	DII Fac
	% Recovery	Qualifier				
4-Bromofluorobenzene	98		70 - 130		08/02/11 11:29	1
Dibromofluoromethane	101		70 - 130		08/02/11 11:29	1
Toluene-d8 (Surr)	96		70 - 130		08/02/11 11:29	1

Lab Sample ID: LCS 680-211655/4
Matrix: Water
Analysis Batch: 211655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Acetone	100	105		ug/L		105	26 - 180
Benzene	50.0	45.1		ug/L		90	70 - 130
Dichlorobromomethane	50.0	40.1		ug/L		80	70 - 130
Bromoform	50.0	30.2		ug/L		60	70 - 130
Bromomethane	50.0	52.0		ug/L		104	23 - 165
2-Butanone (MEK)	100	100		ug/L		100	49 - 172
Carbon disulfide	50.0	41.8		ug/L		84	54 - 132

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

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

Lab Sample ID: LCS 680-211655/4
Matrix: Water
Analysis Batch: 211655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Carbon tetrachloride	50.0	33.9	*	ug/L		68	70 - 130
Chlorobenzene	50.0	49.2		ug/L		98	70 - 130
Chloroethane	50.0	42.9		ug/L		86	56 - 152
Chloroform	50.0	45.5		ug/L		91	70 - 130
Chloromethane	50.0	50.7		ug/L		101	70 - 130
Chlorodibromomethane	50.0	36.8		ug/L		74	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	39.8		ug/L		80	70 - 130
Ethylene Dibromide	50.0	46.1		ug/L		92	70 - 130
Dibromomethane	50.0	47.6		ug/L		95	70 - 130
Dichlorodifluoromethane	50.0	45.2		ug/L		90	44 - 146
1,1-Dichloroethane	50.0	43.7		ug/L		87	70 - 130
1,2-Dichloroethane	50.0	45.1		ug/L		90	70 - 130
cis-1,2-Dichloroethene	50.0	45.9		ug/L		92	70 - 130
trans-1,2-Dichloroethene	50.0	45.7		ug/L		91	70 - 130
1,1-Dichloroethene	50.0	46.2		ug/L		92	66 - 131
1,2-Dichloropropane	50.0	45.4		ug/L		91	70 - 130
cis-1,3-Dichloropropene	50.0	42.4		ug/L		85	70 - 130
trans-1,3-Dichloropropene	50.0	40.8		ug/L		82	70 - 130
Ethylbenzene	50.0	46.4		ug/L		93	70 - 130
2-Hexanone	100	96.8		ug/L		97	42 - 185
Methylene Chloride	50.0	43.0		ug/L		86	67 - 130
4-Methyl-2-pentanone (MIBK)	100	91.5		ug/L		92	70 - 130
Styrene	50.0	48.1		ug/L		96	70 - 130
1,1,1,2-Tetrachloroethane	50.0	40.4		ug/L		81	70 - 130
1,1,2,2-Tetrachloroethane	50.0	46.7		ug/L		93	70 - 130
Tetrachloroethene	50.0	50.1		ug/L		100	70 - 130
Toluene	50.0	45.0		ug/L		90	70 - 130
1,1,1-Trichloroethane	50.0	41.9		ug/L		84	70 - 130
1,1,2-Trichloroethane	50.0	45.3		ug/L		91	70 - 130
Trichloroethene	50.0	47.9		ug/L		96	70 - 130
Trichlorofluoromethane	50.0	44.7		ug/L		89	55 - 156
1,2,3-Trichloropropane	50.0	47.2		ug/L		94	70 - 130
Vinyl acetate	100	90.4		ug/L		90	60 - 176
Vinyl chloride	50.0	44.4		ug/L		89	67 - 134
Xylenes, Total	150	139		ug/L		93	70 - 130

Surrogate	LCS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	93		70 - 130
Dibromofluoromethane	92		70 - 130
Toluene-d8 (Surr)	93		70 - 130

Lab Sample ID: LCSD 680-211655/5
Matrix: Water
Analysis Batch: 211655

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD		Unit	D	% Rec	% Rec.		RPD
		Result	Qualifier				Limits	RPD	
Acetone	100	105		ug/L		105	26 - 180	0	50
Benzene	50.0	47.4		ug/L		95	70 - 130	5	30
Dichlorobromomethane	50.0	43.3		ug/L		87	70 - 130	8	30

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

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

Lab Sample ID: LCSD 680-211655/5

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 211655

Analyte	Spike Added	LCSD		Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
		Result	Qualifier						
Bromoform	50.0	33.6	*	ug/L		67	70 - 130	11	30
Bromomethane	50.0	47.4		ug/L		95	23 - 165	9	50
2-Butanone (MEK)	100	107		ug/L		107	49 - 172	7	30
Carbon disulfide	50.0	41.8		ug/L		84	54 - 132	0	30
Carbon tetrachloride	50.0	36.0		ug/L		72	70 - 130	6	30
Chlorobenzene	50.0	50.9		ug/L		102	70 - 130	3	30
Chloroethane	50.0	44.6		ug/L		89	56 - 152	4	40
Chloroform	50.0	49.2		ug/L		98	70 - 130	8	30
Chloromethane	50.0	51.5		ug/L		103	70 - 130	1	30
Chlorodibromomethane	50.0	40.8		ug/L		82	70 - 130	10	50
1,2-Dibromo-3-Chloropropane	50.0	42.8		ug/L		86	70 - 130	7	50
Ethylene Dibromide	50.0	49.4		ug/L		99	70 - 130	7	30
Dibromomethane	50.0	50.1		ug/L		100	70 - 130	5	30
Dichlorodifluoromethane	50.0	45.5		ug/L		91	44 - 146	1	50
1,1-Dichloroethane	50.0	46.5		ug/L		93	70 - 130	6	30
1,2-Dichloroethane	50.0	48.0		ug/L		96	70 - 130	6	30
cis-1,2-Dichloroethene	50.0	49.3		ug/L		99	70 - 130	7	30
trans-1,2-Dichloroethene	50.0	49.0		ug/L		98	70 - 130	7	30
1,1-Dichloroethene	50.0	49.4		ug/L		99	66 - 131	7	30
1,2-Dichloropropane	50.0	47.5		ug/L		95	70 - 130	4	30
cis-1,3-Dichloropropene	50.0	45.5		ug/L		91	70 - 130	7	30
trans-1,3-Dichloropropene	50.0	44.3		ug/L		89	70 - 130	8	50
Ethylbenzene	50.0	48.1		ug/L		96	70 - 130	4	30
2-Hexanone	100	104		ug/L		104	42 - 185	8	30
Methylene Chloride	50.0	44.3		ug/L		89	67 - 130	3	30
4-Methyl-2-pentanone (MIBK)	100	96.4		ug/L		96	70 - 130	5	30
Styrene	50.0	49.7		ug/L		99	70 - 130	3	30
1,1,1,2-Tetrachloroethane	50.0	43.0		ug/L		86	70 - 130	6	30
1,1,1,2,2-Tetrachloroethane	50.0	49.7		ug/L		99	70 - 130	6	30
Tetrachloroethene	50.0	51.9		ug/L		104	70 - 130	3	30
Toluene	50.0	45.8		ug/L		92	70 - 130	2	30
1,1,1-Trichloroethane	50.0	45.4		ug/L		91	70 - 130	8	30
1,1,2-Trichloroethane	50.0	48.5		ug/L		97	70 - 130	7	30
Trichloroethene	50.0	50.7		ug/L		101	70 - 130	6	30
Trichlorofluoromethane	50.0	45.9		ug/L		92	55 - 156	3	30
1,2,3-Trichloropropane	50.0	49.9		ug/L		100	70 - 130	5	30
Vinyl acetate	100	100		ug/L		100	60 - 176	10	30
Vinyl chloride	50.0	45.0		ug/L		90	67 - 134	1	30
Xylenes, Total	150	146		ug/L		98	70 - 130	5	30

Surrogate	LCSD		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	98		70 - 130
Dibromofluoromethane	100		70 - 130
Toluene-d8 (Surr)	95		70 - 130

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

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

Lab Sample ID: 680-70860-3 MS

Client Sample ID: ASH-MW14-072811

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 211655

Analyte	Sample	Sample	Spike	MS MS		Unit	D	% Rec	% Rec. Limits
	Result	Qualifier		Result	Qualifier				
Acetone	<25		100	86.2		ug/L		75	26 - 180
Benzene	<1.0		50.0	46.4		ug/L		93	70 - 130
Dichlorobromomethane	<1.0		50.0	37.9		ug/L		76	70 - 130
Bromoform	<1.0	*	50.0	25.9	F	ug/L		52	70 - 130
Bromomethane	<1.0		50.0	29.6		ug/L		59	23 - 165
2-Butanone (MEK)	<10		100	93.1		ug/L		93	49 - 172
Carbon disulfide	<2.0		50.0	42.2		ug/L		84	54 - 132
Carbon tetrachloride	<1.0	*	50.0	29.3	F	ug/L		59	70 - 130
Chlorobenzene	<1.0		50.0	49.2		ug/L		98	70 - 130
Chloroethane	<1.0		50.0	40.5		ug/L		81	56 - 152
Chloroform	<1.0		50.0	47.7		ug/L		95	70 - 130
Chloromethane	<1.0		50.0	50.6		ug/L		101	70 - 130
Chlorodibromomethane	<1.0		50.0	32.8	F	ug/L		66	70 - 130
1,2-Dibromo-3-Chloropropane	<1.0		50.0	32.5	F	ug/L		65	70 - 130
Ethylene Dibromide	<1.0		50.0	45.9		ug/L		92	70 - 130
Dibromomethane	<1.0		50.0	46.9		ug/L		94	70 - 130
Dichlorodifluoromethane	<1.0		50.0	44.7		ug/L		89	44 - 146
1,1-Dichloroethane	<1.0		50.0	46.0		ug/L		92	70 - 130
1,2-Dichloroethane	<1.0		50.0	45.7		ug/L		91	70 - 130
cis-1,2-Dichloroethene	<1.0		50.0	48.0		ug/L		96	70 - 130
trans-1,2-Dichloroethene	<1.0		50.0	49.0		ug/L		98	70 - 130
1,1-Dichloroethene	<1.0		50.0	49.3		ug/L		99	66 - 131
1,2-Dichloropropane	<1.0		50.0	45.0		ug/L		90	70 - 130
cis-1,3-Dichloropropene	<1.0		50.0	39.4		ug/L		79	70 - 130
trans-1,3-Dichloropropene	<1.0		50.0	36.8		ug/L		74	70 - 130
Ethylbenzene	<1.0		50.0	46.3		ug/L		93	70 - 130
2-Hexanone	<10		100	90.0		ug/L		90	42 - 185
Methylene Chloride	<5.0		50.0	44.7		ug/L		89	67 - 130
4-Methyl-2-pentanone (MIBK)	<10		100	89.0		ug/L		89	70 - 130
Styrene	<1.0		50.0	48.3		ug/L		97	70 - 130
1,1,1,2-Tetrachloroethane	<1.0		50.0	36.2		ug/L		72	70 - 130
1,1,1,2,2-Tetrachloroethane	<1.0		50.0	46.8		ug/L		94	70 - 130
Tetrachloroethene	<1.0		50.0	50.9		ug/L		102	70 - 130
Toluene	<1.0		50.0	44.9		ug/L		90	70 - 130
1,1,1-Trichloroethane	<1.0		50.0	40.6		ug/L		81	70 - 130
1,1,2-Trichloroethane	<1.0		50.0	46.1		ug/L		92	70 - 130
Trichloroethene	<1.0		50.0	48.4		ug/L		97	70 - 130
Trichlorofluoromethane	<1.0		50.0	45.3		ug/L		91	55 - 156
1,2,3-Trichloropropane	<1.0		50.0	48.5		ug/L		97	70 - 130
Vinyl acetate	<2.0		100	81.2		ug/L		81	60 - 176
Vinyl chloride	<1.0		50.0	44.8		ug/L		90	67 - 134
Xylenes, Total	<2.0		150	141		ug/L		94	70 - 130

Surrogate	MS MS		Limits
	% Recovery	Qualifier	
4-Bromofluorobenzene	96		70 - 130
Dibromofluoromethane	98		70 - 130
Toluene-d8 (Surr)	95		70 - 130

TestAmerica Savannah

QC Sample Results

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

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

Lab Sample ID: 680-70860-3 MSD
Matrix: Water
Analysis Batch: 211655

Client Sample ID: ASH-MW14-072811
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
Acetone	<25		100	91.0		ug/L		79	26 - 180	5	50
Benzene	<1.0		50.0	49.1		ug/L		98	70 - 130	6	30
Dichlorobromomethane	<1.0		50.0	41.7		ug/L		83	70 - 130	10	30
Bromoform	<1.0	*	50.0	29.8	F	ug/L		60	70 - 130	14	30
Bromomethane	<1.0		50.0	33.5		ug/L		67	23 - 165	12	50
2-Butanone (MEK)	<10		100	97.7		ug/L		98	49 - 172	5	30
Carbon disulfide	<2.0		50.0	43.9		ug/L		88	54 - 132	4	30
Carbon tetrachloride	<1.0	*	50.0	32.9	F	ug/L		66	70 - 130	11	30
Chlorobenzene	<1.0		50.0	51.6		ug/L		103	70 - 130	5	30
Chloroethane	<1.0		50.0	39.8		ug/L		80	56 - 152	2	40
Chloroform	<1.0		50.0	50.9		ug/L		102	70 - 130	7	30
Chloromethane	<1.0		50.0	52.3		ug/L		105	70 - 130	3	30
Chlorodibromomethane	<1.0		50.0	37.0		ug/L		74	70 - 130	12	50
1,2-Dibromo-3-Chloropropane	<1.0		50.0	38.6		ug/L		77	70 - 130	17	50
Ethylene Dibromide	<1.0		50.0	48.4		ug/L		97	70 - 130	5	30
Dibromomethane	<1.0		50.0	50.0		ug/L		100	70 - 130	6	30
Dichlorodifluoromethane	<1.0		50.0	45.7		ug/L		91	44 - 146	2	50
1,1-Dichloroethane	<1.0		50.0	48.6		ug/L		97	70 - 130	6	30
1,2-Dichloroethane	<1.0		50.0	49.6		ug/L		99	70 - 130	8	30
cis-1,2-Dichloroethene	<1.0		50.0	50.7		ug/L		101	70 - 130	5	30
trans-1,2-Dichloroethene	<1.0		50.0	51.8		ug/L		104	70 - 130	6	30
1,1-Dichloroethene	<1.0		50.0	51.9		ug/L		104	66 - 131	5	30
1,2-Dichloropropane	<1.0		50.0	48.5		ug/L		97	70 - 130	7	30
cis-1,3-Dichloropropene	<1.0		50.0	42.8		ug/L		86	70 - 130	8	30
trans-1,3-Dichloropropene	<1.0		50.0	40.5		ug/L		81	70 - 130	10	50
Ethylbenzene	<1.0		50.0	48.9		ug/L		98	70 - 130	5	30
2-Hexanone	<10		100	95.6		ug/L		96	42 - 185	6	30
Methylene Chloride	<5.0		50.0	45.7		ug/L		91	67 - 130	2	30
4-Methyl-2-pentanone (MIBK)	<10		100	95.1		ug/L		95	70 - 130	7	30
Styrene	<1.0		50.0	50.2		ug/L		100	70 - 130	4	30
1,1,1,2-Tetrachloroethane	<1.0		50.0	40.4		ug/L		81	70 - 130	11	30
1,1,2,2-Tetrachloroethane	<1.0		50.0	49.8		ug/L		100	70 - 130	6	30
Tetrachloroethene	<1.0		50.0	53.3		ug/L		107	70 - 130	5	30
Toluene	<1.0		50.0	47.6		ug/L		95	70 - 130	6	30
1,1,1-Trichloroethane	<1.0		50.0	44.3		ug/L		89	70 - 130	9	30
1,1,2-Trichloroethane	<1.0		50.0	49.2		ug/L		98	70 - 130	6	30
Trichloroethene	<1.0		50.0	51.9		ug/L		104	70 - 130	7	30
Trichlorofluoromethane	<1.0		50.0	47.5		ug/L		95	55 - 156	5	30
1,2,3-Trichloropropane	<1.0		50.0	50.5		ug/L		101	70 - 130	4	30
Vinyl acetate	<2.0		100	88.6		ug/L		89	60 - 176	9	30
Vinyl chloride	<1.0		50.0	46.1		ug/L		92	67 - 134	3	30
Xylenes, Total	<2.0		150	148		ug/L		99	70 - 130	5	30

Surrogate	MSD % Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	100		70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8 (Surr)	98		70 - 130

QC Association Summary

Client: Ashland Inc.
 Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

GC/MS VOA

Analysis Batch: 210749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70860-10	Trip Blank 063011	Total/NA	Water	8260B	
LCS 680-210749/12	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-210749/13	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-210749/14	Method Blank	Total/NA	Water	8260B	
680-70860-8	ASH-MW09-072811	Total/NA	Water	8260B	
680-70860-9	ASH-MW07-072811	Total/NA	Water	8260B	
680-70860-2	ASH-DUP-072811	Total/NA	Water	8260B	
680-70860-4	ASH-MW15-072811	Total/NA	Water	8260B	
680-70860-6	ASH-MW06-072811	Total/NA	Water	8260B	

Analysis Batch: 211111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70860-1	ASH-RS2-072811	Total/NA	Water	8260B	
LCS 680-211111/6	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-211111/7	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-211111/9	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 211446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-70860-5 - RA	ASH-MW05-072811	Total/NA	Water	8260B	
680-70860-7 - RA	ASH-MW16-072811	Total/NA	Water	8260B	
680-70860-3 - RA	ASH-MW14-072811	Total/NA	Water	8260B	
LCS 680-211446/20	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-211446/21	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-211446/23	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 211655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-211655/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-211655/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-211655/7	Method Blank	Total/NA	Water	8260B	
680-70860-5	ASH-MW05-072811	Total/NA	Water	8260B	
680-70860-7	ASH-MW16-072811	Total/NA	Water	8260B	
680-70860-3	ASH-MW14-072811	Total/NA	Water	8260B	
680-70860-3 MS	ASH-MW14-072811	Total/NA	Water	8260B	
680-70860-3 MSD	ASH-MW14-072811	Total/NA	Water	8260B	

Lab Chronicle

Client: Ashland Inc.
Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-RS2-072811

Lab Sample ID: 680-70860-1

Date Collected: 07/28/11 11:05

Matrix: Water

Date Received: 07/29/11 09:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	211111	08/04/11 19:34	RB	TAL SAV

Client Sample ID: ASH-DUP-072811

Lab Sample ID: 680-70860-2

Date Collected: 07/28/11 00:00

Matrix: Water

Date Received: 07/29/11 09:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210749	08/02/11 16:08	RB	TAL SAV

Client Sample ID: ASH-MW14-072811

Lab Sample ID: 680-70860-3

Date Collected: 07/28/11 10:45

Matrix: Water

Date Received: 07/29/11 09:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	RA	1	211446	08/08/11 21:13	AJMC	TAL SAV
Total/NA	Analysis	8260B		1	211655	08/02/11 14:55	WHP	TAL SAV

Client Sample ID: ASH-MW15-072811

Lab Sample ID: 680-70860-4

Date Collected: 07/28/11 08:03

Matrix: Water

Date Received: 07/29/11 09:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210749	08/02/11 16:38	RB	TAL SAV

Client Sample ID: ASH-MW05-072811

Lab Sample ID: 680-70860-5

Date Collected: 07/28/11 09:05

Matrix: Water

Date Received: 07/29/11 09:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	RA	1	211446	08/08/11 20:29	AJMC	TAL SAV
Total/NA	Analysis	8260B		1	211655	08/02/11 13:56	WHP	TAL SAV

Client Sample ID: ASH-MW06-072811

Lab Sample ID: 680-70860-6

Date Collected: 07/28/11 08:05

Matrix: Water

Date Received: 07/29/11 09:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210749	08/02/11 17:07	RB	TAL SAV

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Lab Chronicle

Client: Ashland Inc.
 Project/Site: Hercules Hattiesburg APIX 7/28/11

TestAmerica Job ID: 680-70860-1

Client Sample ID: ASH-MW16-072811

Lab Sample ID: 680-70860-7

Date Collected: 07/28/11 08:53

Matrix: Water

Date Received: 07/29/11 09:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	RA	1	211446	08/08/11 20:51	AJMC	TAL SAV
Total/NA	Analysis	8260B		1	211655	08/02/11 14:25	WHP	TAL SAV

Client Sample ID: ASH-MW09-072811

Lab Sample ID: 680-70860-8

Date Collected: 07/28/11 10:10

Matrix: Water

Date Received: 07/29/11 09:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210749	08/02/11 15:10	RB	TAL SAV

Client Sample ID: ASH-MW07-072811

Lab Sample ID: 680-70860-9

Date Collected: 07/28/11 10:54

Matrix: Water

Date Received: 07/29/11 09:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210749	08/02/11 15:39	RB	TAL SAV

Client Sample ID: Trip Blank 063011

Lab Sample ID: 680-70860-10

Date Collected: 07/28/11 00:00

Matrix: Water

Date Received: 07/29/11 09:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	210749	08/02/11 14:40	RB	TAL SAV

Laboratory References:

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

Serial Number 043307

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: Hercules Performance AP96M
LAB (LAB) PROJECT MANAGER: L. Lynn Guli, Zia
CLIENT (SITE) PM: Tim Haseff
CLIENT NAME: Ashland Chemical
CLIENT ADDRESS: 500 Hercules Road Wilmington DE 19808-1599
COMPANY CONTRACTING THIS WORK (if applicable):
PROJECT NO: 11073
P.O. NUMBER:
CLIENT PHONE: 302-995-3456
CLIENT FAX: 995-3485
CLIENT E-MAIL: thhaseff@ashland.com

MATRIX TYPE	REQUIRED ANALYSIS	PAGE	OF
COMPOSITE (C) OR GRAB (G) INDICATE		1	1
AQUEOUS (WATER)		STANDARD REPORT DELIVERY	<input checked="" type="checkbox"/>
SOLID OR SEMISOLID		DATE DUE	<input checked="" type="checkbox"/>
NONAQUEOUS LIQUID (OIL SOLVENT)		EXPEDITED REPORT DELIVERY (SURCHARGE)	<input type="checkbox"/>
		DATE DUE	<input type="checkbox"/>
		NUMBER OF COOLERS SUBMITTED PER SHIPMENT	<input type="checkbox"/>
		REMARKS	

SAMPLE DATE	TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	MATRIX TYPE	PROJECT LOCATION (STATE)	CONTRACT NO	RELINQUISHED BY: (SIGNATURE)		RECEIVED BY: (SIGNATURE)		REMARKS	
							DATE	TIME	DATE	TIME		
7-28-11	1105	ASH-RS2-072811	G		MS						3	Riscabz
7-28-11	NA	ASH-DUP-072811	G								3	Duplicates
7-28-11	1045	ASH-MW14-072811	G								3	MS
7-28-11	1045	ASH-MW14-072811-MS	G								3	MSD
7-28-11	0803	ASH-MW15-072811	G								3	
7-28-11	0905	ASH-MW05-072811	G								3	
7-28-11	0805	ASH-MW06-072811	G								3	
7-28-11	0853	ASH-MW16-072811	G								3	
7-28-11	1010	ASH-MW09-072811	G								3	
7-28-11	1054	ASH-MW07-072811	G								3	
7-28-11	NA	Trip Blank 063011	G								2	7-28-11 Trip Blank

RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES NO	SAVANNAH LOG NO	LABORATORY REMARKS
Adelle Carnot	07/29/11	0927	YES NO	70860	17.2

Login Sample Receipt Checklist

Client: Ashland Inc.

Job Number: 680-70860-1

Login Number: 70860

List Source: TestAmerica Savannah

List Number: 1

Creator: Barnett, Eddie T

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.2 C
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 7/28/11

TestAmerica Job ID: 680-70860-1

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

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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.

