Job Narrative
680-51170-1 Final Report

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 149463 were outside control limits for the following analyte: carbon disulfide.

Method(s) 8260B: The laboratory control sample (LCS) for batch 149463 exceeded control limits for the following analyte: carbon disulfide.

Method(s) 8260B: The laboratory control sample duplicate (LCSD) for batch 149463 exceeded control limits for the following analyte: carbon disulfide.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 3520C, 8270C: The following samples were diluted due to the nature of the sample matrix and abundance of target analytes: Dup (680-51170-6), MW-20 (680-51170-3), MW-21 (680-51170-7), MW-22 (680-51170-4), MW-23 (680-51170-5). As such, surrogate recoveries are not reported and elevated reporting limits (RLs) are provided.

Method(s) 8270C: Multiple spiking analytes were outside control limits in the laboratory control sample (LCS), matrix spike (MS) and matrix spike duplicate (MSD) in batch 149426. All associated samples were re-extracted outside holding times and both sets of results have been reported.

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and RPD's for batch150728 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8270C: The following analytes have been identified as poor performers: The following analytes have been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: Famphur, 1,4-Napthaquinone, Methane sulfonate, Benzaldehyde, 1-naphthylamine, 2-naphthylamine, p-Dimethylamino azobenzene, p-phenylenediamine, a,a-dimethylphenethylamine, Methapyriline, 2-picoline (2-methylpyridine), 3,3'-dimethylbenzidine, 3,3'-dichlorobenzidine, Benzidine, Benzaldehyde, Benzoic acid, Dinoseb, Hexachlorophene, Hexachlorocyclopentadiene, o,o,o-triethylphosphoro-thioate. These compounds were not included in the LCS/LCSD/MS/MSD marginal exceedance count, as outlined in SOP SA-QA-17: Evaluation of Batch QC Data, provided they are qualitatively detected.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8081A_8082: Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample(s) contained an allowable number of surrogate compounds outside limits: MW-20 (680-51170-3), MW-22 (680-51170-4). These results have been reported and qualified.

No other analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

Comments
No additional comments.

METHOD SUMMARY

Client: Ashland Inc.

Job Number: 680-51170-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL SAV	SW846 8260B	
Purge and Trap	TAL SAV		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL SAV	SW846 8270C	
Liquid-Liquid Extraction (Continuous)	TAL SAV		SW846 3520C
Organochlorine Pesticides & PCBs (GC)	TAL SAV	SW846 8081A_8082	
Liquid-Liquid Extraction (Continuous)	TAL SAV		SW846 3520C
Metals (ICP)	TAL SAV	SW846 6010B	
Preparation, Total Metals	TAL SAV		SW846 3010A
Mercury (CVAA)	TAL SAV	SW846 7470A	
Preparation, Mercury	TAL SAV		SW846 7470A

Lab References:

TAL SAV = TestAmerica Savannah

Method References:

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

METHOD / ANALYST SUMMARY

Client: Ashland Inc.

Job Number: 680-51170-1

Method	Analyst	Analyst ID
SW846 8260B	Lanier, Carolyn	CL
SW846 8270C	Chamberlain, Kim	KAC
SW846 8270C	Haynes, Carion	CRH
SW846 8270C	Nguyen, Thuong	TN
SW846 8081A_8082	Kellar, Joshua	JK
SW846 6010B	Bland, Brian	BCB
SW846 7470A	Hardy, Donnetta	DH

SAMPLE SUMMARY

Client: Ashland Inc.

Job Number: 680-51170-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-51170-1	MW-24	Water	09/28/2009 1605	09/30/2009 0853
680-51170-1MS	MW-24 MS	Water	09/28/2009 1605	09/30/2009 0853
680-51170-1MSD	MW-24 MSD	Water	09/28/2009 1605	09/30/2009 0853
680-51170-2RB	RB	Water	09/28/2009 1745	09/30/2009 0853
680-51170-3	MW-20	Water	09/29/2009 0720	09/30/2009 0853
680-51170-4	MW-22	Water	09/29/2009 0823	09/30/2009 0853
680-51170-5	MW-23	Water	09/29/2009 0945	09/30/2009 0853
680-51170-6FD	Dup	Water	09/29/2009 0000	09/30/2009 0853
680-51170-7	MW-21	Water	09/29/2009 1142	09/30/2009 0853
680-51170-8TB	Trip Blank	Water	09/29/2009 0000	09/30/2009 0853
680-51170-9TB	Trip Blank	Water	09/29/2009 0000	09/30/2009 0853
680-51170-10TB	Trip Blank	Water	09/29/2009 0000	09/30/2009 0853

SAMPLE RESULTS

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-24

Lab Sample ID: 680-51170-1
Client Matrix: Water

Date Sampled: 09/28/2009 1605
Date Received: 09/30/2009 0853

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-149463		Instrument ID:	MSA
Preparation:	5030B			Lab File ID:	a1068.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	10/01/2009 1542			Final Weight/Volume:	5 mL
Date Prepared:	10/01/2009 1542				

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

Client: Ashland Inc

Job Number: 680-51170-1

Client Sample ID: **MW-24**

Lab Sample ID: 680-51170-1
Client Matrix: Water

Date Sampled: 09/28/2009 1605
Date Received: 09/30/2009 0853

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-149463		Instrument ID:	MSA
Preparation:	5030B			Lab File ID:	a1068.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	10/01/2009 1542			Final Weight/Volume:	5 mL
Date Prepared:	10/01/2009 1542				

Analyte	Result (ug/L)	Qualifier	RL
Toluene	<1.0		1.0
1,1,1-Trichloroethane	<1.0		1.0
1,1,2-Trichloroethane	<1.0		1.0
Trichloroethene	<1.0		1.0
Trichlorofluoromethane	<1.0		1.0
1,2,3-Trichloropropane	<1.0		1.0
Vinyl acetate	<2.0		2.0
Vinyl chloride	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		75 - 120
Dibromofluoromethane	105		75 - 121
Toluene-d8 (Surr)	99		75 - 120

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: RB

Lab Sample ID: 680-51170-2RB
Client Matrix: Water

Date Sampled: 09/28/2009 1745
Date Received: 09/30/2009 0853

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-149463		Instrument ID:	MSA
Preparation:	5030B			Lab File ID:	a1067.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	10/01/2009 1522			Final Weight/Volume:	5 mL
Date Prepared:	10/01/2009 1522				

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

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: RB

Lab Sample ID: 680-51170-2RB
Client Matrix: Water

Date Sampled: 09/28/2009 1745
Date Received: 09/30/2009 0853

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-149463	Instrument ID: MSA
Preparation:	5030B		Lab File ID: a1067.d
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	10/01/2009 1522		Final Weight/Volume: 5 mL
Date Prepared:	10/01/2009 1522		

Analyte	Result (ug/L)	Qualifier	RL
Toluene	<1.0		1.0
1,1,1-Trichloroethane	<1.0		1.0
1,1,2-Trichloroethane	<1.0		1.0
Trichloroethene	<1.0		1.0
Trichlorofluoromethane	<1.0		1.0
1,2,3-Trichloropropane	<1.0		1.0
Vinyl acetate	<2.0		2.0
Vinyl chloride	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		75 - 120
Dibromofluoromethane	104		75 - 121
Toluene-d8 (Surr)	102		75 - 120

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: **MW-20**

Lab Sample ID: 680-51170-3
Client Matrix: Water

Date Sampled: 09/29/2009 0720
Date Received: 09/30/2009 0853

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-149463		Instrument ID:	MSA
Preparation:	5030B			Lab File ID:	a1069.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	10/01/2009 1601			Final Weight/Volume:	5 mL
Date Prepared:	10/01/2009 1601				

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

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-20

Lab Sample ID: 680-51170-3
Client Matrix: Water

Date Sampled: 09/29/2009 0720
Date Received: 09/30/2009 0853

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-149463	Instrument ID: MSA
Preparation:	5030B		Lab File ID: a1069.d
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	10/01/2009 1601		Final Weight/Volume: 5 mL
Date Prepared:	10/01/2009 1601		

Analyte	Result (ug/L)	Qualifier	RL
Toluene	<1.0		1.0
1,1,1-Trichloroethane	<1.0		1.0
1,1,2-Trichloroethane	<1.0		1.0
Trichloroethene	<1.0		1.0
Trichlorofluoromethane	<1.0		1.0
1,2,3-Trichloropropane	<1.0		1.0
Vinyl acetate	<2.0		2.0
Vinyl chloride	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		75 - 120
Dibromofluoromethane	109		75 - 121
Toluene-d8 (Surr)	98		75 - 120

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: **MW-22**

Lab Sample ID: 680-51170-4
Client Matrix: Water

Date Sampled: 09/29/2009 0823
Date Received: 09/30/2009 0853

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-149463		Instrument ID:	MSA
Preparation:	5030B			Lab File ID:	a1070.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	10/01/2009 1621			Final Weight/Volume:	5 mL
Date Prepared:	10/01/2009 1621				

Analyte	Result (ug/L)	Qualifier	RL
Acetone	86		25
Acetonitrile	<40		40
Acrolein	<20		20
Acrylonitrile	<20		20
Benzene	9.8		1.0
Dichlorobromomethane	<1.0		1.0
Bromoform	<1.0		1.0
Bromomethane	<1.0		1.0
2-Butanone (MEK)	<10		10
Carbon disulfide	<2.0	*	2.0
Carbon tetrachloride	<1.0		1.0
Chlorobenzene	7.7		1.0
2-Chloro-1,3-butadiene	<1.0		1.0
Chloroethane	<1.0		1.0
Chloroform	<1.0		1.0
Chloromethane	<1.0		1.0
3-Chloro-1-propene	<1.0		1.0
Chlorodibromomethane	<1.0		1.0
1,2-Dibromo-3-Chloropropane	<1.0		1.0
Ethylene Dibromide	<1.0		1.0
Dibromomethane	<1.0		1.0
trans-1,4-Dichloro-2-butene	<2.0		2.0
Dichlorodifluoromethane	<1.0		1.0
1,1-Dichloroethane	<1.0		1.0
1,2-Dichloroethane	<1.0		1.0
cis-1,2-Dichloroethene	<1.0		1.0
trans-1,2-Dichloroethene	<1.0		1.0
1,1-Dichloroethene	<1.0		1.0
1,2-Dichloropropane	<1.0		1.0
cis-1,3-Dichloropropene	<1.0		1.0
trans-1,3-Dichloropropene	<1.0		1.0
Ethylbenzene	<1.0		1.0
Ethyl methacrylate	<1.0		1.0
2-Hexanone	<10		10
Iodomethane	<5.0		5.0
Isobutyl alcohol	<40		40
Methacrylonitrile	<20		20
Methylene Chloride	<5.0		5.0
Methyl methacrylate	<1.0		1.0
4-Methyl-2-pentanone (MIBK)	11		10
Pentachloroethane	<5.0		5.0
Propionitrile	<20		20
Styrene	<1.0		1.0
1,1,1,2-Tetrachloroethane	<1.0		1.0
1,1,2,2-Tetrachloroethane	<1.0		1.0
Tetrachloroethene	<1.0		1.0

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-22

Lab Sample ID: 680-51170-4
Client Matrix: Water

Date Sampled: 09/29/2009 0823
Date Received: 09/30/2009 0853

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-149463	Instrument ID: MSA
Preparation:	5030B		Lab File ID: a1070.d
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	10/01/2009 1621		Final Weight/Volume: 5 mL
Date Prepared:	10/01/2009 1621		

Analyte	Result (ug/L)	Qualifier	RL
Toluene	<1.0		1.0
1,1,1-Trichloroethane	<1.0		1.0
1,1,2-Trichloroethane	<1.0		1.0
Trichloroethene	<1.0		1.0
Trichlorofluoromethane	<1.0		1.0
1,2,3-Trichloropropane	<1.0		1.0
Vinyl acetate	<2.0		2.0
Vinyl chloride	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		75 - 120
Dibromofluoromethane	105		75 - 121
Toluene-d8 (Surr)	96		75 - 120

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-23

Lab Sample ID: 680-51170-5
Client Matrix: Water

Date Sampled: 09/29/2009 0945
Date Received: 09/30/2009 0853

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 50
Date Analyzed: 10/01/2009 1640
Date Prepared: 10/01/2009 1640

Analysis Batch: 680-149463

Instrument ID: MSA
Lab File ID: a1071.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	1600		1200
Acetonitrile	<2000		2000
Acrolein	<1000		1000
Acrylonitrile	<1000		1000
Benzene	9200		50
Dichlorobromomethane	<50		50
Bromoform	<50		50
Bromomethane	<50		50
2-Butanone (MEK)	<500		500
Carbon disulfide	<100	*	100
Carbon tetrachloride	<50		50
Chlorobenzene	190		50
2-Chloro-1,3-butadiene	<50		50
Chloroethane	<50		50
Chloroform	1400		50
Chloromethane	<50		50
3-Chloro-1-propene	<50		50
Chlorodibromomethane	<50		50
1,2-Dibromo-3-Chloropropane	<50		50
Ethylene Dibromide	<50		50
Dibromomethane	<50		50
trans-1,4-Dichloro-2-butene	<100		100
Dichlorodifluoromethane	<50		50
1,1-Dichloroethane	<50		50
1,2-Dichloroethane	<50		50
cis-1,2-Dichloroethene	<50		50
trans-1,2-Dichloroethene	<50		50
1,1-Dichloroethene	<50		50
1,2-Dichloropropane	<50		50
cis-1,3-Dichloropropene	<50		50
trans-1,3-Dichloropropene	<50		50
Ethylbenzene	<50		50
Ethyl methacrylate	<50		50
2-Hexanone	<500		500
Iodomethane	<250		250
Isobutyl alcohol	<2000		2000
Methacrylonitrile	<1000		1000
Methylene Chloride	290		250
Methyl methacrylate	<50		50
4-Methyl-2-pentanone (MIBK)	1300		500
Pentachloroethane	<250		250
Propionitrile	<1000		1000
Styrene	<50		50
1,1,1,2-Tetrachloroethane	<50		50
1,1,2,2-Tetrachloroethane	<50		50
Tetrachloroethene	<50		50

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: **MW-23**

Lab Sample ID: 680-51170-5
Client Matrix: Water

Date Sampled: 09/29/2009 0945
Date Received: 09/30/2009 0853

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 50
Date Analyzed: 10/01/2009 1640
Date Prepared: 10/01/2009 1640

Analysis Batch: 680-149463

Instrument ID: MSA
Lab File ID: a1071.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Toluene	3300		50
1,1,1-Trichloroethane	<50		50
1,1,2-Trichloroethane	<50		50
Trichloroethene	<50		50
Trichlorofluoromethane	<50		50
1,2,3-Trichloropropane	<50		50
Vinyl acetate	<100		100
Vinyl chloride	<50		50
Xylenes, Total	<100		100

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		75 - 120
Dibromofluoromethane	101		75 - 121
Toluene-d8 (Surr)	101		75 - 120

Client: Ashland Inc

Job Number: 680-51170-1

Client Sample ID: Dup

Lab Sample ID: 680-51170-6FD

Client Matrix: Water

Date Sampled: 09/29/2009 0000

Date Received: 09/30/2009 0853

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Preparation: 5030B

Dilution: 100

Date Analyzed: 10/01/2009 1945

Date Prepared: 10/01/2009 1945

Analysis Batch: 680-149463

Instrument ID: MSA

Lab File ID: a1078.d

Initial Weight/Volume: 5 mL

Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	<2500		2500
Acetonitrile	<4000		4000
Acrolein	<2000		2000
Acrylonitrile	<2000		2000
Benzene	8900		100
Dichlorobromomethane	<100		100
Bromoform	<100		100
Bromomethane	<100		100
2-Butanone (MEK)	<1000		1000
Carbon disulfide	<200	*	200
Carbon tetrachloride	<100		100
Chlorobenzene	200		100
2-Chloro-1,3-butadiene	<100		100
Chloroethane	<100		100
Chloroform	1500		100
Chloromethane	<100		100
3-Chloro-1-propene	<100		100
Chlorodibromomethane	<100		100
1,2-Dibromo-3-Chloropropane	<100		100
Ethylene Dibromide	<100		100
Dibromomethane	<100		100
trans-1,4-Dichloro-2-butene	<200		200
Dichlorodifluoromethane	<100		100
1,1-Dichloroethane	<100		100
1,2-Dichloroethane	<100		100
cis-1,2-Dichloroethene	<100		100
trans-1,2-Dichloroethene	<100		100
1,1-Dichloroethene	<100		100
1,2-Dichloropropane	<100		100
cis-1,3-Dichloropropene	<100		100
trans-1,3-Dichloropropene	<100		100
Ethylbenzene	<100		100
Ethyl methacrylate	<100		100
2-Hexanone	<1000		1000
Iodomethane	<500		500
Isobutyl alcohol	<4000		4000
Methacrylonitrile	<2000		2000
Methylene Chloride	<500		500
Methyl methacrylate	<100		100
4-Methyl-2-pentanone (MIBK)	1200		1000
Pentachloroethane	<500		500
Propionitrile	<2000		2000
Styrene	<100		100
1,1,1,2-Tetrachloroethane	<100		100
1,1,2,2-Tetrachloroethane	<100		100
Tetrachloroethene	<100		100

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: Dup

Lab Sample ID: 680-51170-6FD
Client Matrix: Water

Date Sampled: 09/29/2009 0000
Date Received: 09/30/2009 0853

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 100
Date Analyzed: 10/01/2009 1945
Date Prepared: 10/01/2009 1945

Analysis Batch: 680-149463

Instrument ID: MSA
Lab File ID: a1078.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Toluene	3300		100
1,1,1-Trichloroethane	<100		100
1,1,2-Trichloroethane	<100		100
Trichloroethene	<100		100
Trichlorofluoromethane	<100		100
1,2,3-Trichloropropane	<100		100
Vinyl acetate	<200		200
Vinyl chloride	<100		100
Xylenes, Total	<200		200

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		75 - 120
Dibromofluoromethane	103		75 - 121
Toluene-d8 (Surr)	103		75 - 120

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-21

Lab Sample ID: 680-51170-7
Client Matrix: Water

Date Sampled: 09/29/2009 1142
Date Received: 09/30/2009 0853

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 50
Date Analyzed: 10/01/2009 1700
Date Prepared: 10/01/2009 1700

Analysis Batch: 680-149463

Instrument ID: MSA
Lab File ID: a1072.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Acetone	<1200		1200
Acetonitrile	<2000		2000
Acrolein	<1000		1000
Acrylonitrile	<1000		1000
Benzene	4400		50
Dichlorobromomethane	<50		50
Bromoform	<50		50
Bromomethane	<50		50
2-Butanone (MEK)	<500		500
Carbon disulfide	<100	*	100
Carbon tetrachloride	<50		50
Chlorobenzene	170		50
2-Chloro-1,3-butadiene	<50		50
Chloroethane	<50		50
Chloroform	6800		50
Chloromethane	<50		50
3-Chloro-1-propene	<50		50
Chlorodibromomethane	<50		50
1,2-Dibromo-3-Chloropropane	<50		50
Ethylene Dibromide	<50		50
Dibromomethane	<50		50
trans-1,4-Dichloro-2-butene	<100		100
Dichlorodifluoromethane	<50		50
1,1-Dichloroethane	<50		50
1,2-Dichloroethane	<50		50
cis-1,2-Dichloroethene	<50		50
trans-1,2-Dichloroethene	<50		50
1,1-Dichloroethene	<50		50
1,2-Dichloropropane	<50		50
cis-1,3-Dichloropropene	<50		50
trans-1,3-Dichloropropene	<50		50
Ethylbenzene	<50		50
Ethyl methacrylate	<50		50
2-Hexanone	<500		500
Iodomethane	<250		250
Isobutyl alcohol	<2000		2000
Methacrylonitrile	<1000		1000
Methylene Chloride	<250		250
Methyl methacrylate	<50		50
4-Methyl-2-pentanone (MIBK)	640		500
Pentachloroethane	<250		250
Propionitrile	<1000		1000
Styrene	<50		50
1,1,1,2-Tetrachloroethane	<50		50
1,1,2,2-Tetrachloroethane	<50		50
Tetrachloroethene	<50		50

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: **MW-21**

Lab Sample ID: 680-51170-7
Client Matrix: Water

Date Sampled: 09/29/2009 1142
Date Received: 09/30/2009 0853

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 50
Date Analyzed: 10/01/2009 1700
Date Prepared: 10/01/2009 1700

Analysis Batch: 680-149463

Instrument ID: MSA
Lab File ID: a1072.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Toluene	4800		50
1,1,1-Trichloroethane	<50		50
1,1,2-Trichloroethane	<50		50
Trichloroethene	<50		50
Trichlorofluoromethane	<50		50
1,2,3-Trichloropropane	<50		50
Vinyl acetate	<100		100
Vinyl chloride	<50		50
Xylenes, Total	<100		100

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		75 - 120
Dibromofluoromethane	105		75 - 121
Toluene-d8 (Surr)	99		75 - 120

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: Trip Blank

Lab Sample ID: 680-51170-8TB
Client Matrix: Water

Date Sampled: 09/29/2009 0000
Date Received: 09/30/2009 0853

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-149440	Instrument ID: MSA
Preparation:	5030B		Lab File ID: a1053.d
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	09/30/2009 1942		Final Weight/Volume: 5 mL
Date Prepared:	09/30/2009 1942		

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

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: Trip Blank

Lab Sample ID: 680-51170-8TB

Client Matrix: Water

Date Sampled: 09/29/2009 0000

Date Received: 09/30/2009 0853

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-149440	Instrument ID: MSA
Preparation:	5030B		Lab File ID: a1053.d
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	09/30/2009 1942		Final Weight/Volume: 5 mL
Date Prepared:	09/30/2009 1942		

Analyte	Result (ug/L)	Qualifier	RL
Toluene	<1.0		1.0
1,1,1-Trichloroethane	<1.0		1.0
1,1,2-Trichloroethane	<1.0		1.0
Trichloroethene	<1.0		1.0
Trichlorofluoromethane	<1.0		1.0
1,2,3-Trichloropropane	<1.0		1.0
Vinyl acetate	<2.0		2.0
Vinyl chloride	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	101		75 - 120
Dibromofluoromethane	105		75 - 121
Toluene-d8 (Surr)	116		75 - 120

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: Trip Blank

Lab Sample ID: 680-51170-9TB
Client Matrix: Water

Date Sampled: 09/29/2009 0000
Date Received: 09/30/2009 0853

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-149440	Instrument ID: MSA
Preparation:	5030B		Lab File ID: a1055.d
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	09/30/2009 2011		Final Weight/Volume: 5 mL
Date Prepared:	09/30/2009 2011		

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

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 680-51170-9TB
Client Matrix: Water

Date Sampled: 09/29/2009 0000
Date Received: 09/30/2009 0853

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-149440		Instrument ID:	MSA
Preparation:	5030B			Lab File ID:	a1055.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	09/30/2009 2011			Final Weight/Volume:	5 mL
Date Prepared:	09/30/2009 2011				

Analyte	Result (ug/L)	Qualifier	RL
Toluene	<1.0		1.0
1,1,1-Trichloroethane	<1.0		1.0
1,1,2-Trichloroethane	<1.0		1.0
Trichloroethene	<1.0		1.0
Trichlorofluoromethane	<1.0		1.0
1,2,3-Trichloropropane	<1.0		1.0
Vinyl acetate	<2.0		2.0
Vinyl chloride	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		75 - 120
Dibromofluoromethane	105		75 - 121
Toluene-d8 (Surr)	118		75 - 120

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: Trip Blank

Lab Sample ID: 680-51170-10TB
Client Matrix: Water

Date Sampled: 09/29/2009 0000
Date Received: 09/30/2009 0853

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 10/01/2009 1503
Date Prepared: 10/01/2009 1503

Analysis Batch: 680-149463

Instrument ID: MSA
Lab File ID: a1066.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

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

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 680-51170-10TB
Client Matrix: Water

Date Sampled: 09/29/2009 0000
Date Received: 09/30/2009 0853

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 10/01/2009 1503
Date Prepared: 10/01/2009 1503

Analysis Batch: 680-149463

Instrument ID: MSA
Lab File ID: a1066.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
Toluene	<1.0		1.0
1,1,1-Trichloroethane	<1.0		1.0
1,1,2-Trichloroethane	<1.0		1.0
Trichloroethene	<1.0		1.0
Trichlorofluoromethane	<1.0		1.0
1,2,3-Trichloropropane	<1.0		1.0
Vinyl acetate	<2.0		2.0
Vinyl chloride	<1.0		1.0
Xylenes, Total	<2.0		2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	97		75 - 120
Dibromofluoromethane	103		75 - 121
Toluene-d8 (Surr)	103		75 - 120

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-24

Lab Sample ID: 680-51170-1
Client Matrix: Water

Date Sampled: 09/28/2009 1605
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-150416		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-149426		Lab File ID:	g5581.d
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Date Analyzed:	10/12/2009 1135			Final Weight/Volume:	1 mL
Date Prepared:	10/01/2009 1512			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<9.4		9.4
Acenaphthylene	<9.4		9.4
Acetophenone	<9.4		9.4
2-Acetylaminofluorene	<9.4		9.4
alpha,alpha-Dimethyl phenethylamine	<1900	*	1900
4-Aminobiphenyl	<9.4		9.4
Aniline	<19		19
Anthracene	<9.4		9.4
Aramite, Total	<9.4		9.4
Benzo[a]anthracene	<9.4		9.4
Benzo[a]pyrene	<9.4		9.4
Benzo[b]fluoranthene	<9.4		9.4
Benzo[g,h,i]perylene	<9.4		9.4
Benzo[k]fluoranthene	<9.4		9.4
Benzyl alcohol	<9.4		9.4
1,1'-Biphenyl	<9.4		9.4
Bis(2-chloroethoxy)methane	<9.4	*	9.4
Bis(2-chloroethyl)ether	<9.4		9.4
bis(chloroisopropyl) ether	<9.4		9.4
Bis(2-ethylhexyl) phthalate	<9.4		9.4
4-Bromophenyl phenyl ether	<9.4		9.4
Butyl benzyl phthalate	<9.4		9.4
4-Chloroaniline	<19		19
4-Chloro-3-methylphenol	<9.4		9.4
2-Chloronaphthalene	<9.4		9.4
2-Chlorophenol	<9.4		9.4
4-Chlorophenyl phenyl ether	<9.4		9.4
Chrysene	<9.4		9.4
Diallate	<9.4		9.4
Dibenz(a,h)anthracene	<9.4		9.4
Dibenzofuran	<9.4		9.4
1,2-Dichlorobenzene	<9.4		9.4
1,3-Dichlorobenzene	<9.4		9.4
1,4-Dichlorobenzene	<9.4		9.4
3,3'-Dichlorobenzidine	<19		19
2,4-Dichlorophenol	<9.4		9.4
2,6-Dichlorophenol	<9.4		9.4
Diethyl phthalate	<9.4		9.4
Dimethoate	<9.4		9.4
7,12-Dimethylbenz(a)anthracene	<9.4		9.4
3,3'-Dimethylbenzidine	<19	*	19
2,4-Dimethylphenol	<9.4		9.4
Dimethyl phthalate	<9.4		9.4
Di-n-butyl phthalate	<9.4		9.4
1,3-Dinitrobenzene	<9.4		9.4
4,6-Dinitro-2-methylphenol	<47		47

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-24

Lab Sample ID: 680-51170-1
Client Matrix: Water

Date Sampled: 09/28/2009 1605
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-150416		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-149426		Lab File ID:	g5581.d
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Date Analyzed:	10/12/2009 1135			Final Weight/Volume:	1 mL
Date Prepared:	10/01/2009 1512			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrophenol	<47		47
2,4-Dinitrotoluene	<9.4		9.4
2,6-Dinitrotoluene	<9.4		9.4
Di-n-octyl phthalate	<9.4		9.4
Dinoseb	<9.4		9.4
1,4-Dioxane	<9.4		9.4
Disulfoton	<9.4		9.4
Ethyl methanesulfonate	<9.4		9.4
Ethyl Parathion	<9.4		9.4
Famphur	<9.4		9.4
Fluoranthene	<9.4		9.4
Fluorene	<9.4		9.4
Hexachlorobenzene	<9.4		9.4
Hexachlorobutadiene	<9.4		9.4
Hexachlorocyclopentadiene	<9.4		9.4
Hexachloroethane	<9.4		9.4
Hexachlorophene	<4700		4700
Hexachloropropene	<9.4		9.4
Indeno[1,2,3-cd]pyrene	<9.4		9.4
Isophorone	<9.4		9.4
Isosafrole	<9.4		9.4
Methapyrilene	<1900	*	1900
3-Methylcholanthrene	<9.4		9.4
Methyl methanesulfonate	<9.4	*	9.4
2-Methylnaphthalene	<9.4		9.4
Methyl parathion	<9.4		9.4
2-Methylphenol	<9.4		9.4
3 & 4 Methylphenol	<9.4		9.4
Naphthalene	<9.4		9.4
1,4-Naphthoquinone	<9.4		9.4
1-Naphthylamine	<9.4	*	9.4
2-Naphthylamine	<9.4		9.4
2-Nitroaniline	<47		47
3-Nitroaniline	<47		47
4-Nitroaniline	<47		47
Nitrobenzene	<9.4		9.4
2-Nitrophenol	<9.4		9.4
4-Nitrophenol	<47		47
4-Nitroquinoline-1-oxide	<19		19
N-Nitro-o-toluidine	<9.4		9.4
N-Nitrosodiethylamine	<9.4		9.4
N-Nitrosodimethylamine	<9.4		9.4
N-Nitrosodi-n-butylamine	<9.4		9.4
N-Nitrosodi-n-propylamine	<9.4		9.4
N-Nitrosodiphenylamine	<9.4		9.4
N-Nitrosomethylethylamine	<9.4		9.4

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-24

Lab Sample ID: 680-51170-1
Client Matrix: Water

Date Sampled: 09/28/2009 1605
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-150416		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-149426		Lab File ID:	g5581.d
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Date Analyzed:	10/12/2009 1135			Final Weight/Volume:	1 mL
Date Prepared:	10/01/2009 1512			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	<9.4		9.4
N-Nitrosopiperidine	<9.4		9.4
N-Nitrosopyrrolidine	<9.4		9.4
o,o',o''-Triethylphosphorothioate	<9.4		9.4
p-Dimethylamino azobenzene	<9.4		9.4
Pentachlorobenzene	<9.4		9.4
Pentachloronitrobenzene	<9.4		9.4
Pentachlorophenol	<47		47
Phenacetin	<9.4		9.4
Phenanthrene	<9.4		9.4
Phenol	<9.4		9.4
Phorate	<9.4		9.4
2-Picoline	<9.4	*	9.4
p-Phenylene diamine	<1900	*	1900
Pronamide	<9.4		9.4
Pyrene	<9.4		9.4
Pyridine	<47	*	47
Safrole, Total	<9.4		9.4
Sulfotepp	<9.4		9.4
1,2,4,5-Tetrachlorobenzene	<9.4		9.4
2,3,4,6-Tetrachlorophenol	<9.4		9.4
Thionazin	<9.4		9.4
2-Toluidine	<9.4		9.4
1,2,4-Trichlorobenzene	<9.4		9.4
2,4,5-Trichlorophenol	<9.4		9.4
2,4,6-Trichlorophenol	<9.4		9.4
1,3,5-Trinitrobenzene	<9.4		9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	87		40 - 139
2-Fluorobiphenyl	68		50 - 113
2-Fluorophenol	69		36 - 110
Terphenyl-d14	82		10 - 121
Phenol-d5	69		38 - 116
Nitrobenzene-d5	70		45 - 112

Client: Ashland Inc. Job Number: 680-51170-1

Client Sample ID: MW-24

Lab Sample ID: 680-51170-1 Date Sampled: 09/28/2009 1605
Client Matrix: Water Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-151231		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-150728		Lab File ID:	g5633.d
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Date Analyzed:	10/20/2009 1309	Run Type:	RE	Final Weight/Volume:	1 mL
Date Prepared:	10/16/2009 1358			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<9.4	H	9.4
Acenaphthylene	<9.4	H	9.4
Acetophenone	<9.4	H	9.4
2-Acetylaminofluorene	<9.4	H	9.4
alpha,alpha-Dimethyl phenethylamine	<1900	H	1900
4-Aminobiphenyl	<9.4	H	9.4
Aniline	<19	H	19
Anthracene	<9.4	H	9.4
Aramite, Total	<9.4	H	9.4
Benzo[a]anthracene	<9.4	H	9.4
Benzo[a]pyrene	<9.4	H	9.4
Benzo[b]fluoranthene	<9.4	H	9.4
Benzo[g,h,i]perylene	<9.4	H	9.4
Benzo[k]fluoranthene	<9.4	H	9.4
Benzyl alcohol	<9.4	H	9.4
1,1'-Biphenyl	<9.4	H	9.4
Bis(2-chloroethoxy)methane	<9.4	H	9.4
Bis(2-chloroethyl)ether	<9.4	H	9.4
bis(chloroisopropyl) ether	<9.4	H	9.4
Bis(2-ethylhexyl) phthalate	<9.4	H	9.4
4-Bromophenyl phenyl ether	<9.4	H	9.4
Butyl benzyl phthalate	<9.4	H	9.4
4-Chloroaniline	<19	H	19
4-Chloro-3-methylphenol	<9.4	H	9.4
2-Chloronaphthalene	<9.4	H	9.4
2-Chlorophenol	<9.4	H	9.4
4-Chlorophenyl phenyl ether	<9.4	H	9.4
Chrysene	<9.4	H	9.4
Diallate	<9.4	H	9.4
Dibenz(a,h)anthracene	<9.4	H	9.4
Dibenzofuran	<9.4	H	9.4
1,2-Dichlorobenzene	<9.4	H	9.4
1,3-Dichlorobenzene	<9.4	H	9.4
1,4-Dichlorobenzene	<9.4	H	9.4
3,3'-Dichlorobenzidine	<19	H	19
2,4-Dichlorophenol	<9.4	H	9.4
2,6-Dichlorophenol	<9.4	H	9.4
Diethyl phthalate	<9.4	H	9.4
Dimethoate	<9.4	H	9.4
7,12-Dimethylbenz(a)anthracene	<9.4	H	9.4
3,3'-Dimethylbenzidine	<19	H	19
2,4-Dimethylphenol	<9.4	H	9.4
Dimethyl phthalate	<9.4	H	9.4
Di-n-butyl phthalate	<9.4	H	9.4
1,3-Dinitrobenzene	<9.4	H	9.4
4,6-Dinitro-2-methylphenol	<47	H	47

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-24

Lab Sample ID: 680-51170-1
Client Matrix: Water

Date Sampled: 09/28/2009 1605
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-151231		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-150728		Lab File ID:	g5633.d
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Date Analyzed:	10/20/2009 1309	Run Type:	RE	Final Weight/Volume:	1 mL
Date Prepared:	10/16/2009 1358			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrophenol	<47	H	47
2,4-Dinitrotoluene	<9.4	H	9.4
2,6-Dinitrotoluene	<9.4	H	9.4
Di-n-octyl phthalate	<9.4	H	9.4
Dinoseb	<9.4	H	9.4
1,4-Dioxane	<9.4	H	9.4
Disulfoton	<9.4	H	9.4
Ethyl methanesulfonate	<9.4	H	9.4
Ethyl Parathion	<9.4	H	9.4
Famphur	<9.4	H *	9.4
Fluoranthene	<9.4	H	9.4
Fluorene	<9.4	H	9.4
Hexachlorobenzene	<9.4	H	9.4
Hexachlorobutadiene	<9.4	H	9.4
Hexachlorocyclopentadiene	<9.4	H	9.4
Hexachloroethane	<9.4	H	9.4
Hexachlorophene	<4700	H	4700
Hexachloropropene	<9.4	H	9.4
Indeno[1,2,3-cd]pyrene	<9.4	H	9.4
Isophorone	<9.4	H	9.4
Isosafrole	<9.4	H	9.4
Methapyrilene	<1900	H	1900
3-Methylcholanthrene	<9.4	H	9.4
Methyl methanesulfonate	<9.4	H *	9.4
2-Methylnaphthalene	<9.4	H	9.4
Methyl parathion	<9.4	H	9.4
2-Methylphenol	<9.4	H	9.4
3 & 4 Methylphenol	<9.4	H	9.4
Naphthalene	<9.4	H	9.4
1,4-Naphthoquinone	<9.4	H *	9.4
1-Naphthylamine	<9.4	H *	9.4
2-Naphthylamine	<9.4	H	9.4
2-Nitroaniline	<47	H	47
3-Nitroaniline	<47	H	47
4-Nitroaniline	<47	H	47
Nitrobenzene	<9.4	H	9.4
2-Nitrophenol	<9.4	H	9.4
4-Nitrophenol	<47	H	47
4-Nitroquinoline-1-oxide	<19	H	19
N-Nitro-o-toluidine	<9.4	H	9.4
N-Nitrosodiethylamine	<9.4	H	9.4
N-Nitrosodimethylamine	<9.4	H	9.4
N-Nitrosodi-n-butylamine	<9.4	H	9.4
N-Nitrosodi-n-propylamine	<9.4	H	9.4
N-Nitrosodiphenylamine	<9.4	H	9.4
N-Nitrosomethylethylamine	<9.4	H	9.4

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-24

Lab Sample ID: 680-51170-1
Client Matrix: Water

Date Sampled: 09/28/2009 1605
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-151231		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-150728		Lab File ID:	g5633.d
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Date Analyzed:	10/20/2009 1309	Run Type:	RE	Final Weight/Volume:	1 mL
Date Prepared:	10/16/2009 1358			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	<9.4	H	9.4
N-Nitrosopiperidine	<9.4	H	9.4
N-Nitrosopyrrolidine	<9.4	H	9.4
o,o',o''-Triethylphosphorothioate	<9.4	H	9.4
p-Dimethylamino azobenzene	<9.4	H	9.4
Pentachlorobenzene	<9.4	H	9.4
Pentachloronitrobenzene	<9.4	H	9.4
Pentachlorophenol	<47	H	47
Phenacetin	<9.4	H	9.4
Phenanthrene	<9.4	H	9.4
Phenol	<9.4	H	9.4
Phorate	<9.4	H	9.4
2-Picoline	<9.4	H	9.4
p-Phenylene diamine	<1900	H	1900
Pronamide	<9.4	H	9.4
Pyrene	<9.4	H	9.4
Pyridine	<47	H	47
Safrole, Total	<9.4	H	9.4
Sulfotepp	<9.4	H	9.4
1,2,4,5-Tetrachlorobenzene	<9.4	H	9.4
2,3,4,6-Tetrachlorophenol	<9.4	H	9.4
Thionazin	<9.4	H	9.4
2-Toluidine	<9.4	H	9.4
1,2,4-Trichlorobenzene	<9.4	H	9.4
2,4,5-Trichlorophenol	<9.4	H	9.4
2,4,6-Trichlorophenol	<9.4	H	9.4
1,3,5-Trinitrobenzene	<9.4	H	9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	71		40 - 139
2-Fluorobiphenyl	75		50 - 113
2-Fluorophenol	67		36 - 110
Terphenyl-d14	28		10 - 121
Phenol-d5	67		38 - 116
Nitrobenzene-d5	75		45 - 112

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: RB

Lab Sample ID: 680-51170-2RB
Client Matrix: Water

Date Sampled: 09/28/2009 1745
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-149819		Instrument ID:	MST
Preparation:	3520C	Prep Batch: 680-149426		Lab File ID:	t3669.d
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Date Analyzed:	10/05/2009 2356			Final Weight/Volume:	1 mL
Date Prepared:	10/01/2009 1512			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<9.4		9.4
Acenaphthylene	<9.4		9.4
Acetophenone	<9.4		9.4
2-Acetylaminofluorene	<9.4		9.4
alpha,alpha-Dimethyl phenethylamine	<1900	*	1900
4-Aminobiphenyl	<9.4		9.4
Aniline	<19		19
Anthracene	<9.4		9.4
Aramite, Total	<9.4		9.4
Benzo[a]anthracene	<9.4		9.4
Benzo[a]pyrene	<9.4		9.4
Benzo[b]fluoranthene	<9.4		9.4
Benzo[g,h,i]perylene	<9.4		9.4
Benzo[k]fluoranthene	<9.4		9.4
Benzyl alcohol	<9.4		9.4
1,1'-Biphenyl	<9.4		9.4
Bis(2-chloroethoxy)methane	<9.4	*	9.4
Bis(2-chloroethyl)ether	<9.4		9.4
bis(chloroisopropyl) ether	<9.4		9.4
Bis(2-ethylhexyl) phthalate	<9.4		9.4
4-Bromophenyl phenyl ether	<9.4		9.4
Butyl benzyl phthalate	<9.4		9.4
4-Chloroaniline	<19		19
4-Chloro-3-methylphenol	<9.4		9.4
2-Chloronaphthalene	<9.4		9.4
2-Chlorophenol	<9.4		9.4
4-Chlorophenyl phenyl ether	<9.4		9.4
Chrysene	<9.4		9.4
Diallate	<9.4		9.4
Dibenz(a,h)anthracene	<9.4		9.4
Dibenzofuran	<9.4		9.4
1,2-Dichlorobenzene	<9.4		9.4
1,3-Dichlorobenzene	<9.4		9.4
1,4-Dichlorobenzene	<9.4		9.4
3,3'-Dichlorobenzidine	<19		19
2,4-Dichlorophenol	<9.4		9.4
2,6-Dichlorophenol	<9.4		9.4
Diethyl phthalate	<9.4		9.4
Dimethoate	<9.4		9.4
7,12-Dimethylbenz(a)anthracene	<9.4		9.4
3,3'-Dimethylbenzidine	<19	*	19
2,4-Dimethylphenol	<9.4		9.4
Dimethyl phthalate	<9.4		9.4
Di-n-butyl phthalate	<9.4		9.4
1,3-Dinitrobenzene	<9.4		9.4
4,6-Dinitro-2-methylphenol	<47		47

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: RB

Lab Sample ID: 680-51170-2RB
Client Matrix: Water

Date Sampled: 09/28/2009 1745
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-149819		Instrument ID:	MST
Preparation:	3520C	Prep Batch: 680-149426		Lab File ID:	t3669.d
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Date Analyzed:	10/05/2009 2356			Final Weight/Volume:	1 mL
Date Prepared:	10/01/2009 1512			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrophenol	<47		47
2,4-Dinitrotoluene	<9.4		9.4
2,6-Dinitrotoluene	<9.4		9.4
Di-n-octyl phthalate	<9.4		9.4
Dinoseb	<9.4		9.4
1,4-Dioxane	<9.4		9.4
Disulfoton	<9.4		9.4
Ethyl methanesulfonate	<9.4		9.4
Ethyl Parathion	<9.4		9.4
Famphur	<9.4		9.4
Fluoranthene	<9.4		9.4
Fluorene	<9.4		9.4
Hexachlorobenzene	<9.4		9.4
Hexachlorobutadiene	<9.4		9.4
Hexachlorocyclopentadiene	<9.4		9.4
Hexachloroethane	<9.4		9.4
Hexachlorophene	<4700		4700
Hexachloropropene	<9.4		9.4
Indeno[1,2,3-cd]pyrene	<9.4		9.4
Isophorone	<9.4		9.4
Isosafrole	<9.4		9.4
Methapyrilene	<1900	*	1900
3-Methylcholanthrene	<9.4		9.4
Methyl methanesulfonate	<9.4	*	9.4
2-Methylnaphthalene	<9.4		9.4
Methyl parathion	<9.4		9.4
2-Methylphenol	<9.4		9.4
3 & 4 Methylphenol	<9.4		9.4
Naphthalene	<9.4		9.4
1,4-Naphthoquinone	<9.4		9.4
1-Naphthylamine	<9.4	*	9.4
2-Naphthylamine	<9.4		9.4
2-Nitroaniline	<47		47
3-Nitroaniline	<47		47
4-Nitroaniline	<47		47
Nitrobenzene	<9.4		9.4
2-Nitrophenol	<9.4		9.4
4-Nitrophenol	<47		47
4-Nitroquinoline-1-oxide	<19		19
N-Nitro-o-toluidine	<9.4		9.4
N-Nitrosodiethylamine	<9.4		9.4
N-Nitrosodimethylamine	<9.4		9.4
N-Nitrosodi-n-butylamine	<9.4		9.4
N-Nitrosodi-n-propylamine	<9.4		9.4
N-Nitrosodiphenylamine	<9.4		9.4
N-Nitrosomethylethylamine	<9.4		9.4

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: RB

Lab Sample ID: 680-51170-2RB
Client Matrix: Water

Date Sampled: 09/28/2009 1745
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-149819		Instrument ID:	MST
Preparation:	3520C	Prep Batch: 680-149426		Lab File ID:	t3669.d
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Date Analyzed:	10/05/2009 2356			Final Weight/Volume:	1 mL
Date Prepared:	10/01/2009 1512			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	<9.4		9.4
N-Nitrosopiperidine	<9.4		9.4
N-Nitrosopyrrolidine	<9.4		9.4
o,o',o''-Triethylphosphorothioate	<9.4		9.4
p-Dimethylamino azobenzene	<9.4		9.4
Pentachlorobenzene	<9.4		9.4
Pentachloronitrobenzene	<9.4		9.4
Pentachlorophenol	<47		47
Phenacetin	<9.4		9.4
Phenanthrene	<9.4		9.4
Phenol	<9.4		9.4
Phorate	<9.4		9.4
2-Picoline	<9.4	*	9.4
p-Phenylene diamine	<1900	*	1900
Pronamide	<9.4		9.4
Pyrene	<9.4		9.4
Pyridine	<47	*	47
Safrole, Total	<9.4		9.4
Sulfotepp	<9.4		9.4
1,2,4,5-Tetrachlorobenzene	<9.4		9.4
2,3,4,6-Tetrachlorophenol	<9.4		9.4
Thionazin	<9.4		9.4
2-Toluidine	<9.4		9.4
1,2,4-Trichlorobenzene	<9.4		9.4
2,4,5-Trichlorophenol	<9.4		9.4
2,4,6-Trichlorophenol	<9.4		9.4
1,3,5-Trinitrobenzene	<9.4		9.4

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	81		40 - 139
2-Fluorobiphenyl	77		50 - 113
2-Fluorophenol	69		36 - 110
Terphenyl-d14	75		10 - 121
Phenol-d5	65		38 - 116
Nitrobenzene-d5	73		45 - 112

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: RB

Lab Sample ID: 680-51170-2RB
Client Matrix: Water

Date Sampled: 09/28/2009 1745
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-151289		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-150728		Lab File ID:	g5656.d
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Date Analyzed:	10/21/2009 1433	Run Type:	RE	Final Weight/Volume:	1 mL
Date Prepared:	10/16/2009 1358			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<9.5	H	9.5
Acenaphthylene	<9.5	H	9.5
Acetophenone	<9.5	H	9.5
2-Acetylaminofluorene	<9.5	H	9.5
alpha,alpha-Dimethyl phenethylamine	<1900	H	1900
4-Aminobiphenyl	<9.5	H	9.5
Aniline	<19	H	19
Anthracene	<9.5	H	9.5
Aramite, Total	<9.5	H	9.5
Benzo[a]anthracene	<9.5	H	9.5
Benzo[a]pyrene	<9.5	H	9.5
Benzo[b]fluoranthene	<9.5	H	9.5
Benzo[g,h,i]perylene	<9.5	H	9.5
Benzo[k]fluoranthene	<9.5	H	9.5
Benzyl alcohol	<9.5	H	9.5
1,1'-Biphenyl	<9.5	H	9.5
Bis(2-chloroethoxy)methane	<9.5	H	9.5
Bis(2-chloroethyl)ether	<9.5	H	9.5
bis(chloroisopropyl) ether	<9.5	H	9.5
Bis(2-ethylhexyl) phthalate	<9.5	H	9.5
4-Bromophenyl phenyl ether	<9.5	H	9.5
Butyl benzyl phthalate	<9.5	H	9.5
4-Chloroaniline	<19	H	19
4-Chloro-3-methylphenol	<9.5	H	9.5
2-Chloronaphthalene	<9.5	H	9.5
2-Chlorophenol	<9.5	H	9.5
4-Chlorophenyl phenyl ether	<9.5	H	9.5
Chrysene	<9.5	H	9.5
Diallate	<9.5	H	9.5
Dibenz(a,h)anthracene	<9.5	H	9.5
Dibenzofuran	<9.5	H	9.5
1,2-Dichlorobenzene	<9.5	H	9.5
1,3-Dichlorobenzene	<9.5	H	9.5
1,4-Dichlorobenzene	<9.5	H	9.5
3,3'-Dichlorobenzidine	<19	H	19
2,4-Dichlorophenol	<9.5	H	9.5
2,6-Dichlorophenol	<9.5	H	9.5
Diethyl phthalate	<9.5	H	9.5
Dimethoate	<9.5	H	9.5
7,12-Dimethylbenz(a)anthracene	<9.5	H	9.5
3,3'-Dimethylbenzidine	<19	H	19
2,4-Dimethylphenol	<9.5	H	9.5
Dimethyl phthalate	<9.5	H	9.5
Di-n-butyl phthalate	<9.5	H	9.5
1,3-Dinitrobenzene	<9.5	H	9.5
4,6-Dinitro-2-methylphenol	<48	H	48

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: RB

Lab Sample ID: 680-51170-2RB
Client Matrix: Water

Date Sampled: 09/28/2009 1745
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-151289		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-150728		Lab File ID:	g5656.d
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Date Analyzed:	10/21/2009 1433	Run Type:	RE	Final Weight/Volume:	1 mL
Date Prepared:	10/16/2009 1358			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrophenol	<48	H	48
2,4-Dinitrotoluene	<9.5	H	9.5
2,6-Dinitrotoluene	<9.5	H	9.5
Di-n-octyl phthalate	<9.5	H	9.5
Dinoseb	<9.5	H	9.5
1,4-Dioxane	<9.5	H	9.5
Disulfoton	<9.5	H	9.5
Ethyl methanesulfonate	<9.5	H	9.5
Ethyl Parathion	<9.5	H	9.5
Famphur	<9.5	H *	9.5
Fluoranthene	<9.5	H	9.5
Fluorene	<9.5	H	9.5
Hexachlorobenzene	<9.5	H	9.5
Hexachlorobutadiene	<9.5	H	9.5
Hexachlorocyclopentadiene	<9.5	H	9.5
Hexachloroethane	<9.5	H	9.5
Hexachlorophene	<4800	H	4800
Hexachloropropene	<9.5	H	9.5
Indeno[1,2,3-cd]pyrene	<9.5	H	9.5
Isophorone	<9.5	H	9.5
Isosafrole	<9.5	H	9.5
Methapyrilene	<1900	H	1900
3-Methylcholanthrene	<9.5	H	9.5
Methyl methanesulfonate	<9.5	H *	9.5
2-Methylnaphthalene	<9.5	H	9.5
Methyl parathion	<9.5	H	9.5
2-Methylphenol	<9.5	H	9.5
3 & 4 Methylphenol	<9.5	H	9.5
Naphthalene	<9.5	H	9.5
1,4-Naphthoquinone	<9.5	H *	9.5
1-Naphthylamine	<9.5	H *	9.5
2-Naphthylamine	<9.5	H	9.5
2-Nitroaniline	<48	H	48
3-Nitroaniline	<48	H	48
4-Nitroaniline	<48	H	48
Nitrobenzene	<9.5	H	9.5
2-Nitrophenol	<9.5	H	9.5
4-Nitrophenol	<48	H	48
4-Nitroquinoline-1-oxide	<19	H	19
N-Nitro-o-toluidine	<9.5	H	9.5
N-Nitrosodiethylamine	<9.5	H	9.5
N-Nitrosodimethylamine	<9.5	H	9.5
N-Nitrosodi-n-butylamine	<9.5	H	9.5
N-Nitrosodi-n-propylamine	<9.5	H	9.5
N-Nitrosodiphenylamine	<9.5	H	9.5
N-Nitrosomethylethylamine	<9.5	H	9.5

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: RB

Lab Sample ID: 680-51170-2RB
Client Matrix: Water

Date Sampled: 09/28/2009 1745
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-151289		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-150728		Lab File ID:	g5656.d
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Date Analyzed:	10/21/2009 1433	Run Type:	RE	Final Weight/Volume:	1 mL
Date Prepared:	10/16/2009 1358			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	<9.5	H	9.5
N-Nitrosopiperidine	<9.5	H	9.5
N-Nitrosopyrrolidine	<9.5	H	9.5
o,o',o''-Triethylphosphorothioate	<9.5	H	9.5
p-Dimethylamino azobenzene	<9.5	H	9.5
Pentachlorobenzene	<9.5	H	9.5
Pentachloronitrobenzene	<9.5	H	9.5
Pentachlorophenol	<48	H	48
Phenacetin	<9.5	H	9.5
Phenanthrene	<9.5	H	9.5
Phenol	<9.5	H	9.5
Phorate	<9.5	H	9.5
2-Picoline	<9.5	H	9.5
p-Phenylene diamine	<1900	H	1900
Pronamide	<9.5	H	9.5
Pyrene	<9.5	H	9.5
Pyridine	<48	H	48
Safrole, Total	<9.5	H	9.5
Sulfotepp	<9.5	H	9.5
1,2,4,5-Tetrachlorobenzene	<9.5	H	9.5
2,3,4,6-Tetrachlorophenol	<9.5	H	9.5
Thionazin	<9.5	H	9.5
2-Toluidine	<9.5	H	9.5
1,2,4-Trichlorobenzene	<9.5	H	9.5
2,4,5-Trichlorophenol	<9.5	H	9.5
2,4,6-Trichlorophenol	<9.5	H	9.5
1,3,5-Trinitrobenzene	<9.5	H	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	76		40 - 139
2-Fluorobiphenyl	74		50 - 113
2-Fluorophenol	71		36 - 110
Terphenyl-d14	80		10 - 121
Phenol-d5	74		38 - 116
Nitrobenzene-d5	76		45 - 112

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-20

Lab Sample ID: 680-51170-3
Client Matrix: Water

Date Sampled: 09/29/2009 0720
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-151231		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-150728		Lab File ID:	g5635.d
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Date Analyzed:	10/20/2009 1356	Run Type:	RE	Final Weight/Volume:	1 mL
Date Prepared:	10/16/2009 1358			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<9.5	H	9.5
Acenaphthylene	<9.5	H	9.5
Acetophenone	<9.5	H	9.5
2-Acetylaminofluorene	<9.5	H	9.5
alpha,alpha-Dimethyl phenethylamine	<1900	H	1900
4-Aminobiphenyl	<9.5	H	9.5
Aniline	<19	H	19
Anthracene	<9.5	H	9.5
Aramite, Total	<9.5	H	9.5
Benzo[a]anthracene	<9.5	H	9.5
Benzo[a]pyrene	<9.5	H	9.5
Benzo[b]fluoranthene	<9.5	H	9.5
Benzo[g,h,i]perylene	<9.5	H	9.5
Benzo[k]fluoranthene	<9.5	H	9.5
Benzyl alcohol	<9.5	H	9.5
1,1'-Biphenyl	<9.5	H	9.5
Bis(2-chloroethoxy)methane	<9.5	H	9.5
Bis(2-chloroethyl)ether	<9.5	H	9.5
bis(chloroisopropyl) ether	<9.5	H	9.5
Bis(2-ethylhexyl) phthalate	<9.5	H	9.5
4-Bromophenyl phenyl ether	<9.5	H	9.5
Butyl benzyl phthalate	<9.5	H	9.5
4-Chloroaniline	<19	H	19
4-Chloro-3-methylphenol	<9.5	H	9.5
2-Chloronaphthalene	<9.5	H	9.5
2-Chlorophenol	<9.5	H	9.5
4-Chlorophenyl phenyl ether	<9.5	H	9.5
Chrysene	<9.5	H	9.5
Diallate	<9.5	H	9.5
Dibenz(a,h)anthracene	<9.5	H	9.5
Dibenzofuran	<9.5	H	9.5
1,2-Dichlorobenzene	<9.5	H	9.5
1,3-Dichlorobenzene	<9.5	H	9.5
1,4-Dichlorobenzene	<9.5	H	9.5
3,3'-Dichlorobenzidine	<19	H	19
2,4-Dichlorophenol	<9.5	H	9.5
2,6-Dichlorophenol	<9.5	H	9.5
Diethyl phthalate	<9.5	H	9.5
Dimethoate	<9.5	H	9.5
7,12-Dimethylbenz(a)anthracene	<9.5	H	9.5
3,3'-Dimethylbenzidine	<19	H	19
2,4-Dimethylphenol	<9.5	H	9.5
Dimethyl phthalate	<9.5	H	9.5
Di-n-butyl phthalate	<9.5	H	9.5
1,3-Dinitrobenzene	<9.5	H	9.5
4,6-Dinitro-2-methylphenol	<48	H	48

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-20

Lab Sample ID: 680-51170-3
Client Matrix: Water

Date Sampled: 09/29/2009 0720
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-151231		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-150728		Lab File ID:	g5635.d
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Date Analyzed:	10/20/2009 1356	Run Type:	RE	Final Weight/Volume:	1 mL
Date Prepared:	10/16/2009 1358			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrophenol	<48	H	48
2,4-Dinitrotoluene	<9.5	H	9.5
2,6-Dinitrotoluene	<9.5	H	9.5
Di-n-octyl phthalate	<9.5	H	9.5
Dinoseb	<9.5	H	9.5
1,4-Dioxane	<9.5	H	9.5
Disulfoton	<9.5	H	9.5
Ethyl methanesulfonate	<9.5	H	9.5
Ethyl Parathion	<9.5	H	9.5
Famphur	<9.5	H *	9.5
Fluoranthene	<9.5	H	9.5
Fluorene	<9.5	H	9.5
Hexachlorobenzene	<9.5	H	9.5
Hexachlorobutadiene	<9.5	H	9.5
Hexachlorocyclopentadiene	<9.5	H	9.5
Hexachloroethane	<9.5	H	9.5
Hexachlorophene	<4800	H	4800
Hexachloropropene	<9.5	H	9.5
Indeno[1,2,3-cd]pyrene	<9.5	H	9.5
Isophorone	<9.5	H	9.5
Isosafrole	<9.5	H	9.5
Methapyrilene	<1900	H	1900
3-Methylcholanthrene	<9.5	H	9.5
Methyl methanesulfonate	<9.5	H *	9.5
2-Methylnaphthalene	<9.5	H	9.5
Methyl parathion	<9.5	H	9.5
2-Methylphenol	<9.5	H	9.5
3 & 4 Methylphenol	<9.5	H	9.5
Naphthalene	<9.5	H	9.5
1,4-Naphthoquinone	<9.5	H *	9.5
1-Naphthylamine	<9.5	H *	9.5
2-Naphthylamine	<9.5	H	9.5
2-Nitroaniline	<48	H	48
3-Nitroaniline	<48	H	48
4-Nitroaniline	<48	H	48
Nitrobenzene	<9.5	H	9.5
2-Nitrophenol	<9.5	H	9.5
4-Nitrophenol	<48	H	48
4-Nitroquinoline-1-oxide	<19	H	19
N-Nitro-o-toluidine	<9.5	H	9.5
N-Nitrosodiethylamine	<9.5	H	9.5
N-Nitrosodimethylamine	<9.5	H	9.5
N-Nitrosodi-n-butylamine	<9.5	H	9.5
N-Nitrosodi-n-propylamine	<9.5	H	9.5
N-Nitrosodiphenylamine	<9.5	H	9.5
N-Nitrosomethylethylamine	<9.5	H	9.5

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-20

Lab Sample ID: 680-51170-3
Client Matrix: Water

Date Sampled: 09/29/2009 0720
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-151231		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-150728		Lab File ID:	g5635.d
Dilution:	1.0			Initial Weight/Volume:	1050 mL
Date Analyzed:	10/20/2009 1356	Run Type:	RE	Final Weight/Volume:	1 mL
Date Prepared:	10/16/2009 1358			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	<9.5	H	9.5
N-Nitrosopiperidine	<9.5	H	9.5
N-Nitrosopyrrolidine	<9.5	H	9.5
o,o',o''-Triethylphosphorothioate	<9.5	H	9.5
p-Dimethylamino azobenzene	<9.5	H	9.5
Pentachlorobenzene	<9.5	H	9.5
Pentachloronitrobenzene	<9.5	H	9.5
Pentachlorophenol	<48	H	48
Phenacetin	<9.5	H	9.5
Phenanthrene	<9.5	H	9.5
Phenol	<9.5	H	9.5
Phorate	<9.5	H	9.5
2-Picoline	<9.5	H	9.5
p-Phenylene diamine	<1900	H	1900
Pronamide	<9.5	H	9.5
Pyrene	<9.5	H	9.5
Pyridine	<48	H	48
Safrole, Total	<9.5	H	9.5
Sulfotepp	<9.5	H	9.5
1,2,4,5-Tetrachlorobenzene	<9.5	H	9.5
2,3,4,6-Tetrachlorophenol	<9.5	H	9.5
Thionazin	<9.5	H	9.5
2-Toluidine	<9.5	H	9.5
1,2,4-Trichlorobenzene	<9.5	H	9.5
2,4,5-Trichlorophenol	<9.5	H	9.5
2,4,6-Trichlorophenol	<9.5	H	9.5
1,3,5-Trinitrobenzene	<9.5	H	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	60		40 - 139
2-Fluorobiphenyl	62		50 - 113
2-Fluorophenol	55		36 - 110
Terphenyl-d14	29		10 - 121
Phenol-d5	56		38 - 116
Nitrobenzene-d5	63		45 - 112

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-20

Lab Sample ID: 680-51170-3
Client Matrix: Water

Date Sampled: 09/29/2009 0720
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-150416		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-149426		Lab File ID:	g5582.d
Dilution:	2.0			Initial Weight/Volume:	1030 mL
Date Analyzed:	10/12/2009 1159			Final Weight/Volume:	1 mL
Date Prepared:	10/01/2009 1512			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<19		19
Acenaphthylene	<19		19
Acetophenone	<19		19
2-Acetylaminofluorene	<19		19
alpha,alpha-Dimethyl phenethylamine	<3900	*	3900
4-Aminobiphenyl	<19		19
Aniline	<39		39
Anthracene	<19		19
Aramite, Total	<19		19
Benzo[a]anthracene	<19		19
Benzo[a]pyrene	<19		19
Benzo[b]fluoranthene	<19		19
Benzo[g,h,i]perylene	<19		19
Benzo[k]fluoranthene	<19		19
Benzyl alcohol	<19		19
1,1'-Biphenyl	<19		19
Bis(2-chloroethoxy)methane	<19	*	19
Bis(2-chloroethyl)ether	<19		19
bis(chloroisopropyl) ether	<19		19
Bis(2-ethylhexyl) phthalate	<19		19
4-Bromophenyl phenyl ether	<19		19
Butyl benzyl phthalate	<19		19
4-Chloroaniline	<39		39
4-Chloro-3-methylphenol	<19		19
2-Chloronaphthalene	<19		19
2-Chlorophenol	<19		19
4-Chlorophenyl phenyl ether	<19		19
Chrysene	<19		19
Diallate	<19		19
Dibenz(a,h)anthracene	<19		19
Dibenzofuran	<19		19
1,2-Dichlorobenzene	<19		19
1,3-Dichlorobenzene	<19		19
1,4-Dichlorobenzene	<19		19
3,3'-Dichlorobenzidine	<39		39
2,4-Dichlorophenol	<19		19
2,6-Dichlorophenol	<19		19
Diethyl phthalate	<19		19
Dimethoate	<19		19
7,12-Dimethylbenz(a)anthracene	<19		19
3,3'-Dimethylbenzidine	<39	*	39
2,4-Dimethylphenol	<19		19
Dimethyl phthalate	<19		19
Di-n-butyl phthalate	<19		19
1,3-Dinitrobenzene	<19		19
4,6-Dinitro-2-methylphenol	<97		97

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-20

Lab Sample ID: 680-51170-3
Client Matrix: Water

Date Sampled: 09/29/2009 0720
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-150416		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-149426		Lab File ID:	g5582.d
Dilution:	2.0			Initial Weight/Volume:	1030 mL
Date Analyzed:	10/12/2009 1159			Final Weight/Volume:	1 mL
Date Prepared:	10/01/2009 1512			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrophenol	<97		97
2,4-Dinitrotoluene	<19		19
2,6-Dinitrotoluene	<19		19
Di-n-octyl phthalate	<19		19
Dinoseb	<19		19
1,4-Dioxane	<19		19
Disulfoton	<19		19
Ethyl methanesulfonate	<19		19
Ethyl Parathion	<19		19
Famphur	<19		19
Fluoranthene	<19		19
Fluorene	<19		19
Hexachlorobenzene	<19		19
Hexachlorobutadiene	<19		19
Hexachlorocyclopentadiene	<19		19
Hexachloroethane	<19		19
Hexachlorophene	<9700		9700
Hexachloropropene	<19		19
Indeno[1,2,3-cd]pyrene	<19		19
Isophorone	<19		19
Isosafrole	<19		19
Methapyrilene	<3900	*	3900
3-Methylcholanthrene	<19		19
Methyl methanesulfonate	<19	*	19
2-Methylnaphthalene	<19		19
Methyl parathion	<19		19
2-Methylphenol	<19		19
3 & 4 Methylphenol	<19		19
Naphthalene	<19		19
1,4-Naphthoquinone	<19		19
1-Naphthylamine	<19	*	19
2-Naphthylamine	<19		19
2-Nitroaniline	<97		97
3-Nitroaniline	<97		97
4-Nitroaniline	<97		97
Nitrobenzene	<19		19
2-Nitrophenol	<19		19
4-Nitrophenol	<97		97
4-Nitroquinoline-1-oxide	<39		39
N-Nitro-o-toluidine	<19		19
N-Nitrosodiethylamine	<19		19
N-Nitrosodimethylamine	<19		19
N-Nitrosodi-n-butylamine	<19		19
N-Nitrosodi-n-propylamine	<19		19
N-Nitrosodiphenylamine	<19		19
N-Nitrosomethylethylamine	<19		19

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-20

Lab Sample ID: 680-51170-3
Client Matrix: Water

Date Sampled: 09/29/2009 0720
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-150416		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-149426		Lab File ID:	g5582.d
Dilution:	2.0			Initial Weight/Volume:	1030 mL
Date Analyzed:	10/12/2009 1159			Final Weight/Volume:	1 mL
Date Prepared:	10/01/2009 1512			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	<19		19
N-Nitrosopiperidine	<19		19
N-Nitrosopyrrolidine	<19		19
o,o',o''-Triethylphosphorothioate	<19		19
p-Dimethylamino azobenzene	<19		19
Pentachlorobenzene	<19		19
Pentachloronitrobenzene	<19		19
Pentachlorophenol	<97		97
Phenacetin	<19		19
Phenanthrene	<19		19
Phenol	<19		19
Phorate	<19		19
2-Picoline	<19	*	19
p-Phenylene diamine	<3900	*	3900
Pronamide	<19		19
Pyrene	<19		19
Pyridine	<97	*	97
Safrole, Total	<19		19
Sulfotepp	<19		19
1,2,4,5-Tetrachlorobenzene	<19		19
2,3,4,6-Tetrachlorophenol	<19		19
Thionazin	<19		19
2-Toluidine	<19		19
1,2,4-Trichlorobenzene	<19		19
2,4,5-Trichlorophenol	<19		19
2,4,6-Trichlorophenol	<19		19
1,3,5-Trinitrobenzene	<19		19

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	121		40 - 139
2-Fluorobiphenyl	101		50 - 113
2-Fluorophenol	112	X	36 - 110
Terphenyl-d14	56		10 - 121
Phenol-d5	110		38 - 116
Nitrobenzene-d5	109		45 - 112

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-22

Lab Sample ID: 680-51170-4
Client Matrix: Water

Date Sampled: 09/29/2009 0823
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-150498		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-149426		Lab File ID:	g5622.d
Dilution:	20			Initial Weight/Volume:	1030 mL
Date Analyzed:	10/14/2009 1232			Final Weight/Volume:	1 mL
Date Prepared:	10/01/2009 1512			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<190		190
Acenaphthylene	<190		190
Acetophenone	<190		190
2-Acetylaminofluorene	<190		190
alpha,alpha-Dimethyl phenethylamine	<39000	*	39000
4-Aminobiphenyl	<190		190
Aniline	<390		390
Anthracene	<190		190
Aramite, Total	<190		190
Benzo[a]anthracene	<190		190
Benzo[a]pyrene	<190		190
Benzo[b]fluoranthene	<190		190
Benzo[g,h,i]perylene	<190		190
Benzo[k]fluoranthene	<190		190
Benzyl alcohol	<190		190
1,1'-Biphenyl	2600		190
Bis(2-chloroethoxy)methane	<190	*	190
Bis(2-chloroethyl)ether	<190		190
bis(chloroisopropyl) ether	<190		190
Bis(2-ethylhexyl) phthalate	<190		190
4-Bromophenyl phenyl ether	<190		190
Butyl benzyl phthalate	<190		190
4-Chloroaniline	<390		390
4-Chloro-3-methylphenol	<190		190
2-Chloronaphthalene	<190		190
2-Chlorophenol	<190		190
4-Chlorophenyl phenyl ether	<190		190
Chrysene	<190		190
Diallate	<190		190
Dibenz(a,h)anthracene	<190		190
Dibenzofuran	<190		190
1,2-Dichlorobenzene	<190		190
1,3-Dichlorobenzene	<190		190
1,4-Dichlorobenzene	<190		190
3,3'-Dichlorobenzidine	<390		390
2,4-Dichlorophenol	<190		190
2,6-Dichlorophenol	<190		190
Diethyl phthalate	<190		190
Dimethoate	<190		190
7,12-Dimethylbenz(a)anthracene	<190		190
3,3'-Dimethylbenzidine	<390	*	390
2,4-Dimethylphenol	<190		190
Dimethyl phthalate	<190		190
Di-n-butyl phthalate	<190		190
1,3-Dinitrobenzene	<190		190
4,6-Dinitro-2-methylphenol	<970		970

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-22

Lab Sample ID: 680-51170-4
Client Matrix: Water

Date Sampled: 09/29/2009 0823
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-150498		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-149426		Lab File ID:	g5622.d
Dilution:	20			Initial Weight/Volume:	1030 mL
Date Analyzed:	10/14/2009 1232			Final Weight/Volume:	1 mL
Date Prepared:	10/01/2009 1512			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrophenol	<970		970
2,4-Dinitrotoluene	<190		190
2,6-Dinitrotoluene	<190		190
Di-n-octyl phthalate	<190		190
Dinoseb	<190		190
1,4-Dioxane	<190		190
Disulfoton	<190		190
Ethyl methanesulfonate	<190		190
Ethyl Parathion	<190		190
Famphur	<190		190
Fluoranthene	<190		190
Fluorene	<190		190
Hexachlorobenzene	<190		190
Hexachlorobutadiene	<190		190
Hexachlorocyclopentadiene	<190		190
Hexachloroethane	<190		190
Hexachlorophene	<97000		97000
Hexachloropropene	<190		190
Indeno[1,2,3-cd]pyrene	<190		190
Isophorone	<190		190
Isosafrole	<190		190
Methapyrilene	<39000	*	39000
3-Methylcholanthrene	<190		190
Methyl methanesulfonate	<190	*	190
2-Methylnaphthalene	<190		190
Methyl parathion	<190		190
2-Methylphenol	<190		190
3 & 4 Methylphenol	<190		190
Naphthalene	<190		190
1,4-Naphthoquinone	<190		190
1-Naphthylamine	<190	*	190
2-Naphthylamine	<190		190
2-Nitroaniline	<970		970
3-Nitroaniline	<970		970
4-Nitroaniline	<970		970
Nitrobenzene	<190		190
2-Nitrophenol	<190		190
4-Nitrophenol	<970		970
4-Nitroquinoline-1-oxide	<390		390
N-Nitro-o-toluidine	<190		190
N-Nitrosodiethylamine	<190		190
N-Nitrosodimethylamine	<190		190
N-Nitrosodi-n-butylamine	<190		190
N-Nitrosodi-n-propylamine	<190		190
N-Nitrosodiphenylamine	<190		190
N-Nitrosomethylethylamine	<190		190

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-22

Lab Sample ID: 680-51170-4
Client Matrix: Water

Date Sampled: 09/29/2009 0823
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-150498		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-149426		Lab File ID:	g5622.d
Dilution:	20			Initial Weight/Volume:	1030 mL
Date Analyzed:	10/14/2009 1232			Final Weight/Volume:	1 mL
Date Prepared:	10/01/2009 1512			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	<190		190
N-Nitrosopiperidine	<190		190
N-Nitrosopyrrolidine	<190		190
o,o',o"-Triethylphosphorothioate	<190		190
p-Dimethylamino azobenzene	<190		190
Pentachlorobenzene	<190		190
Pentachloronitrobenzene	<190		190
Pentachlorophenol	<970		970
Phenacetin	<190		190
Phenanthrene	<190		190
Phenol	2000		190
Phorate	<190		190
2-Picoline	<190	*	190
p-Phenylene diamine	<39000	*	39000
Pronamide	<190		190
Pyrene	<190		190
Pyridine	<970	*	970
Safrole, Total	<190		190
Sulfotepp	<190		190
1,2,4,5-Tetrachlorobenzene	<190		190
2,3,4,6-Tetrachlorophenol	<190		190
Thionazin	<190		190
2-Toluidine	<190		190
1,2,4-Trichlorobenzene	<190		190
2,4,5-Trichlorophenol	<190		190
2,4,6-Trichlorophenol	<190		190
1,3,5-Trinitrobenzene	<190		190

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	0	D	40 - 139
2-Fluorobiphenyl	0	D	50 - 113
2-Fluorophenol	0	D	36 - 110
Terphenyl-d14	0	D	10 - 121
Phenol-d5	0	D	38 - 116
Nitrobenzene-d5	0	D	45 - 112

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-22

Lab Sample ID: 680-51170-4
Client Matrix: Water

Date Sampled: 09/29/2009 0823
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-151289		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-150728		Lab File ID:	g5657.d
Dilution:	25			Initial Weight/Volume:	1030 mL
Date Analyzed:	10/21/2009 1456	Run Type:	RE	Final Weight/Volume:	1 mL
Date Prepared:	10/16/2009 1358			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<240	H	240
Acenaphthylene	<240	H	240
Acetophenone	<240	H	240
2-Acetylaminofluorene	<240	H	240
alpha,alpha-Dimethyl phenethylamine	<49000	H	49000
4-Aminobiphenyl	<240	H	240
Aniline	<490	H	490
Anthracene	<240	H	240
Aramite, Total	<240	H	240
Benzo[a]anthracene	<240	H	240
Benzo[a]pyrene	<240	H	240
Benzo[b]fluoranthene	<240	H	240
Benzo[g,h,i]perylene	<240	H	240
Benzo[k]fluoranthene	<240	H	240
Benzyl alcohol	<240	H	240
1,1'-Biphenyl	<240	H	240
Bis(2-chloroethoxy)methane	<240	H	240
Bis(2-chloroethyl)ether	<240	H	240
bis(chloroisopropyl) ether	<240	H	240
Bis(2-ethylhexyl) phthalate	<240	H	240
4-Bromophenyl phenyl ether	<240	H	240
Butyl benzyl phthalate	<240	H	240
4-Chloroaniline	<490	H	490
4-Chloro-3-methylphenol	<240	H	240
2-Chloronaphthalene	<240	H	240
2-Chlorophenol	<240	H	240
4-Chlorophenyl phenyl ether	<240	H	240
Chrysene	<240	H	240
Diallate	<240	H	240
Dibenz(a,h)anthracene	<240	H	240
Dibenzofuran	<240	H	240
1,2-Dichlorobenzene	<240	H	240
1,3-Dichlorobenzene	<240	H	240
1,4-Dichlorobenzene	<240	H	240
3,3'-Dichlorobenzidine	<490	H	490
2,4-Dichlorophenol	<240	H	240
2,6-Dichlorophenol	<240	H	240
Diethyl phthalate	<240	H	240
Dimethoate	<240	H	240
7,12-Dimethylbenz(a)anthracene	<240	H	240
3,3'-Dimethylbenzidine	<490	H	490
2,4-Dimethylphenol	<240	H	240
Dimethyl phthalate	<240	H	240
Di-n-butyl phthalate	<240	H	240
1,3-Dinitrobenzene	<240	H	240
4,6-Dinitro-2-methylphenol	<1200	H	1200

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-22

Lab Sample ID: 680-51170-4
Client Matrix: Water

Date Sampled: 09/29/2009 0823
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-151289		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-150728		Lab File ID:	g5657.d
Dilution:	25			Initial Weight/Volume:	1030 mL
Date Analyzed:	10/21/2009 1456	Run Type:	RE	Final Weight/Volume:	1 mL
Date Prepared:	10/16/2009 1358			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrophenol	<1200	H	1200
2,4-Dinitrotoluene	<240	H	240
2,6-Dinitrotoluene	<240	H	240
Di-n-octyl phthalate	<240	H	240
Dinoseb	<240	H	240
1,4-Dioxane	<240	H	240
Disulfoton	<240	H	240
Ethyl methanesulfonate	<240	H	240
Ethyl Parathion	<240	H	240
Famphur	<240	H *	240
Fluoranthene	<240	H	240
Fluorene	<240	H	240
Hexachlorobenzene	<240	H	240
Hexachlorobutadiene	<240	H	240
Hexachlorocyclopentadiene	<240	H	240
Hexachloroethane	<240	H	240
Hexachlorophene	<120000	H	120000
Hexachloropropene	<240	H	240
Indeno[1,2,3-cd]pyrene	<240	H	240
Isophorone	<240	H	240
Isosafrole	<240	H	240
Methapyrilene	<49000	H	49000
3-Methylcholanthrene	<240	H	240
Methyl methanesulfonate	<240	H *	240
2-Methylnaphthalene	<240	H	240
Methyl parathion	<240	H	240
2-Methylphenol	<240	H	240
3 & 4 Methylphenol	<240	H	240
Naphthalene	<240	H	240
1,4-Naphthoquinone	<240	H *	240
1-Naphthylamine	<240	H *	240
2-Naphthylamine	<240	H	240
2-Nitroaniline	<1200	H	1200
3-Nitroaniline	<1200	H	1200
4-Nitroaniline	<1200	H	1200
Nitrobenzene	<240	H	240
2-Nitrophenol	<240	H	240
4-Nitrophenol	<1200	H	1200
4-Nitroquinoline-1-oxide	<490	H	490
N-Nitro-o-toluidine	<240	H	240
N-Nitrosodiethylamine	<240	H	240
N-Nitrosodimethylamine	<240	H	240
N-Nitrosodi-n-butylamine	<240	H	240
N-Nitrosodi-n-propylamine	<240	H	240
N-Nitrosodiphenylamine	<240	H	240
N-Nitrosomethylethylamine	<240	H	240

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-22

Lab Sample ID: 680-51170-4
Client Matrix: Water

Date Sampled: 09/29/2009 0823
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-151289		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-150728		Lab File ID:	g5657.d
Dilution:	25			Initial Weight/Volume:	1030 mL
Date Analyzed:	10/21/2009 1456	Run Type:	RE	Final Weight/Volume:	1 mL
Date Prepared:	10/16/2009 1358			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	<240	H	240
N-Nitrosopiperidine	<240	H	240
N-Nitrosopyrrolidine	<240	H	240
o,o',o"-Triethylphosphorothioate	<240	H	240
p-Dimethylamino azobenzene	<240	H	240
Pentachlorobenzene	<240	H	240
Pentachloronitrobenzene	<240	H	240
Pentachlorophenol	<1200	H	1200
Phenacetin	<240	H	240
Phenanthrene	<240	H	240
Phenol	4600	H	240
Phorate	<240	H	240
2-Picoline	<240	H	240
p-Phenylene diamine	<49000	H	49000
Pronamide	<240	H	240
Pyrene	<240	H	240
Pyridine	<1200	H	1200
Safrole, Total	<240	H	240
Sulfotepp	<240	H	240
1,2,4,5-Tetrachlorobenzene	<240	H	240
2,3,4,6-Tetrachlorophenol	<240	H	240
Thionazin	<240	H	240
2-Toluidine	<240	H	240
1,2,4-Trichlorobenzene	<240	H	240
2,4,5-Trichlorophenol	<240	H	240
2,4,6-Trichlorophenol	<240	H	240
1,3,5-Trinitrobenzene	<240	H	240

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	0	D	40 - 139
2-Fluorobiphenyl	0	D	50 - 113
2-Fluorophenol	0	D	36 - 110
Terphenyl-d14	0	D	10 - 121
Phenol-d5	0	D	38 - 116
Nitrobenzene-d5	0	D	45 - 112

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-23

Lab Sample ID: 680-51170-5
Client Matrix: Water

Date Sampled: 09/29/2009 0945
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-150417		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-149426		Lab File ID:	g5607.d
Dilution:	10			Initial Weight/Volume:	1030 mL
Date Analyzed:	10/13/2009 1412			Final Weight/Volume:	1 mL
Date Prepared:	10/01/2009 1512			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<97		97
Acenaphthylene	<97		97
Acetophenone	<97		97
2-Acetylaminofluorene	<97		97
alpha,alpha-Dimethyl phenethylamine	<19000		19000
4-Aminobiphenyl	<97		97
Aniline	<190		190
Anthracene	<97		97
Aramite, Total	<97		97
Benzo[a]anthracene	<97		97
Benzo[a]pyrene	<97		97
Benzo[b]fluoranthene	<97		97
Benzo[g,h,i]perylene	<97		97
Benzo[k]fluoranthene	<97		97
Benzyl alcohol	<97		97
1,1'-Biphenyl	260		97
Bis(2-chloroethoxy)methane	<97		97
Bis(2-chloroethyl)ether	<97		97
bis(chloroisopropyl) ether	<97		97
Bis(2-ethylhexyl) phthalate	<97		97
4-Bromophenyl phenyl ether	<97		97
Butyl benzyl phthalate	<97		97
4-Chloroaniline	<190		190
4-Chloro-3-methylphenol	<97		97
2-Chloronaphthalene	<97		97
2-Chlorophenol	<97		97
4-Chlorophenyl phenyl ether	<97		97
Chrysene	<97		97
Diallate	<97		97
Dibenz(a,h)anthracene	<97		97
Dibenzofuran	<97		97
1,2-Dichlorobenzene	<97		97
1,3-Dichlorobenzene	<97		97
1,4-Dichlorobenzene	<97		97
3,3'-Dichlorobenzidine	<190		190
2,4-Dichlorophenol	<97		97
2,6-Dichlorophenol	<97		97
Diethyl phthalate	<97		97
Dimethoate	<97		97
7,12-Dimethylbenz(a)anthracene	<97		97
3,3'-Dimethylbenzidine	<190		190
2,4-Dimethylphenol	<97		97
Dimethyl phthalate	<97		97
Di-n-butyl phthalate	<97		97
1,3-Dinitrobenzene	<97		97
4,6-Dinitro-2-methylphenol	<490		490

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-23

Lab Sample ID: 680-51170-5
Client Matrix: Water

Date Sampled: 09/29/2009 0945
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-150417		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-149426		Lab File ID:	g5607.d
Dilution:	10			Initial Weight/Volume:	1030 mL
Date Analyzed:	10/13/2009 1412			Final Weight/Volume:	1 mL
Date Prepared:	10/01/2009 1512			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrophenol	<490		490
2,4-Dinitrotoluene	<97		97
2,6-Dinitrotoluene	<97		97
Di-n-octyl phthalate	<97		97
Dinoseb	<97		97
1,4-Dioxane	790		97
Disulfoton	<97		97
Ethyl methanesulfonate	<97		97
Ethyl Parathion	<97		97
Famphur	<97		97
Fluoranthene	<97		97
Fluorene	<97		97
Hexachlorobenzene	<97		97
Hexachlorobutadiene	<97		97
Hexachlorocyclopentadiene	<97		97
Hexachloroethane	<97		97
Hexachlorophene	<49000		49000
Hexachloropropene	<97		97
Indeno[1,2,3-cd]pyrene	<97		97
Isophorone	<97		97
Isosafrole	<97		97
Methapyrilene	<19000		19000
3-Methylcholanthrene	<97		97
Methyl methanesulfonate	<97		97
2-Methylnaphthalene	<97		97
Methyl parathion	<97		97
2-Methylphenol	<97		97
3 & 4 Methylphenol	490		97
Naphthalene	<97		97
1,4-Naphthoquinone	<97		97
1-Naphthylamine	<97		97
2-Naphthylamine	<97		97
2-Nitroaniline	<490		490
3-Nitroaniline	<490		490
4-Nitroaniline	<490		490
Nitrobenzene	<97		97
2-Nitrophenol	<97		97
4-Nitrophenol	<490		490
4-Nitroquinoline-1-oxide	<190		190
N-Nitro-o-toluidine	<97		97
N-Nitrosodiethylamine	<97		97
N-Nitrosodimethylamine	<97		97
N-Nitrosodi-n-butylamine	<97		97
N-Nitrosodi-n-propylamine	<97		97
N-Nitrosodiphenylamine	<97		97
N-Nitrosomethylethylamine	<97		97

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: **MW-23**

Lab Sample ID: 680-51170-5
Client Matrix: Water

Date Sampled: 09/29/2009 0945
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-150417		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-149426		Lab File ID:	g5607.d
Dilution:	10			Initial Weight/Volume:	1030 mL
Date Analyzed:	10/13/2009 1412			Final Weight/Volume:	1 mL
Date Prepared:	10/01/2009 1512			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	<97		97
N-Nitrosopiperidine	<97		97
N-Nitrosopyrrolidine	<97		97
o,o',o''-Triethylphosphorothioate	<97		97
p-Dimethylamino azobenzene	<97		97
Pentachlorobenzene	<97		97
Pentachloronitrobenzene	<97		97
Pentachlorophenol	<490		490
Phenacetin	<97		97
Phenanthrene	<97		97
Phenol	180		97
Phorate	<97		97
2-Picoline	<97		97
p-Phenylene diamine	<19000		19000
Pronamide	<97		97
Pyrene	<97		97
Pyridine	<490		490
Safrole, Total	<97		97
Sulfotepp	<97		97
1,2,4,5-Tetrachlorobenzene	<97		97
2,3,4,6-Tetrachlorophenol	<97		97
Thionazin	<97		97
2-Toluidine	<97		97
1,2,4-Trichlorobenzene	<97		97
2,4,5-Trichlorophenol	<97		97
2,4,6-Trichlorophenol	<97		97
1,3,5-Trinitrobenzene	<97		97

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	0	D	40 - 139
2-Fluorobiphenyl	0	D	50 - 113
2-Fluorophenol	0	D	36 - 110
Terphenyl-d14	0	D	10 - 121
Phenol-d5	0	D	38 - 116
Nitrobenzene-d5	0	D	45 - 112

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-23

Lab Sample ID: 680-51170-5
Client Matrix: Water

Date Sampled: 09/29/2009 0945
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-151289		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-150728		Lab File ID:	g5658a.d
Dilution:	10			Initial Weight/Volume:	1050 mL
Date Analyzed:	10/21/2009 1635	Run Type:	RE	Final Weight/Volume:	1 mL
Date Prepared:	10/16/2009 1358			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<95	H	95
Acenaphthylene	<95	H	95
Acetophenone	<95	H	95
2-Acetylaminofluorene	<95	H	95
alpha,alpha-Dimethyl phenethylamine	<19000	H	19000
4-Aminobiphenyl	<95	H	95
Aniline	<190	H	190
Anthracene	<95	H	95
Aramite, Total	<95	H	95
Benzo[a]anthracene	<95	H	95
Benzo[a]pyrene	<95	H	95
Benzo[b]fluoranthene	<95	H	95
Benzo[g,h,i]perylene	<95	H	95
Benzo[k]fluoranthene	<95	H	95
Benzyl alcohol	<95	H	95
1,1'-Biphenyl	280	H	95
Bis(2-chloroethoxy)methane	<95	H	95
Bis(2-chloroethyl)ether	<95	H	95
bis(chloroisopropyl) ether	<95	H	95
Bis(2-ethylhexyl) phthalate	<95	H	95
4-Bromophenyl phenyl ether	<95	H	95
Butyl benzyl phthalate	<95	H	95
4-Chloroaniline	<190	H	190
4-Chloro-3-methylphenol	<95	H	95
2-Chloronaphthalene	<95	H	95
2-Chlorophenol	<95	H	95
4-Chlorophenyl phenyl ether	<95	H	95
Chrysene	<95	H	95
Diallate	<95	H	95
Dibenz(a,h)anthracene	<95	H	95
Dibenzofuran	<95	H	95
1,2-Dichlorobenzene	<95	H	95
1,3-Dichlorobenzene	<95	H	95
1,4-Dichlorobenzene	<95	H	95
3,3'-Dichlorobenzidine	<190	H	190
2,4-Dichlorophenol	<95	H	95
2,6-Dichlorophenol	<95	H	95
Diethyl phthalate	<95	H	95
Dimethoate	<95	H	95
7,12-Dimethylbenz(a)anthracene	<95	H	95
3,3'-Dimethylbenzidine	<190	H	190
2,4-Dimethylphenol	<95	H	95
Dimethyl phthalate	<95	H	95
Di-n-butyl phthalate	<95	H	95
1,3-Dinitrobenzene	<95	H	95
4,6-Dinitro-2-methylphenol	<480	H	480

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-23

Lab Sample ID: 680-51170-5
Client Matrix: Water

Date Sampled: 09/29/2009 0945
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-151289		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-150728		Lab File ID:	g5658a.d
Dilution:	10			Initial Weight/Volume:	1050 mL
Date Analyzed:	10/21/2009 1635	Run Type:	RE	Final Weight/Volume:	1 mL
Date Prepared:	10/16/2009 1358			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrophenol	<480	H	480
2,4-Dinitrotoluene	<95	H	95
2,6-Dinitrotoluene	<95	H	95
Di-n-octyl phthalate	<95	H	95
Dinoseb	<95	H	95
1,4-Dioxane	850	H	95
Disulfoton	<95	H	95
Ethyl methanesulfonate	<95	H	95
Ethyl Parathion	<95	H	95
Famphur	<95	H *	95
Fluoranthene	<95	H	95
Fluorene	<95	H	95
Hexachlorobenzene	<95	H	95
Hexachlorobutadiene	<95	H	95
Hexachlorocyclopentadiene	<95	H	95
Hexachloroethane	<95	H	95
Hexachlorophene	<48000	H	48000
Hexachloropropene	<95	H	95
Indeno[1,2,3-cd]pyrene	<95	H	95
Isophorone	<95	H	95
Isosafrole	<95	H	95
Methapyrilene	<19000	H	19000
3-Methylcholanthrene	<95	H	95
Methyl methanesulfonate	<95	H *	95
2-Methylnaphthalene	<95	H	95
Methyl parathion	<95	H	95
2-Methylphenol	<95	H	95
3 & 4 Methylphenol	470	H	95
Naphthalene	<95	H	95
1,4-Naphthoquinone	<95	H *	95
1-Naphthylamine	<95	H *	95
2-Naphthylamine	<95	H	95
2-Nitroaniline	<480	H	480
3-Nitroaniline	<480	H	480
4-Nitroaniline	<480	H	480
Nitrobenzene	<95	H	95
2-Nitrophenol	<95	H	95
4-Nitrophenol	<480	H	480
4-Nitroquinoline-1-oxide	<190	H	190
N-Nitro-o-toluidine	<95	H	95
N-Nitrosodiethylamine	<95	H	95
N-Nitrosodimethylamine	<95	H	95
N-Nitrosodi-n-butylamine	<95	H	95
N-Nitrosodi-n-propylamine	<95	H	95
N-Nitrosodiphenylamine	<95	H	95
N-Nitrosomethylethylamine	<95	H	95

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: **MW-23**

Lab Sample ID: 680-51170-5
Client Matrix: Water

Date Sampled: 09/29/2009 0945
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-151289		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-150728		Lab File ID:	g5658a.d
Dilution:	10			Initial Weight/Volume:	1050 mL
Date Analyzed:	10/21/2009 1635	Run Type:	RE	Final Weight/Volume:	1 mL
Date Prepared:	10/16/2009 1358			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	<95	H	95
N-Nitrosopiperidine	<95	H	95
N-Nitrosopyrrolidine	<95	H	95
o,o',o"-Triethylphosphorothioate	<95	H	95
p-Dimethylamino azobenzene	<95	H	95
Pentachlorobenzene	<95	H	95
Pentachloronitrobenzene	<95	H	95
Pentachlorophenol	<480	H	480
Phenacetin	<95	H	95
Phenanthrene	<95	H	95
Phenol	180	H	95
Phorate	<95	H	95
2-Picoline	<95	H	95
p-Phenylene diamine	<19000	H	19000
Pronamide	<95	H	95
Pyrene	<95	H	95
Pyridine	<480	H	480
Safrole, Total	<95	H	95
Sulfotepp	<95	H	95
1,2,4,5-Tetrachlorobenzene	<95	H	95
2,3,4,6-Tetrachlorophenol	<95	H	95
Thionazin	<95	H	95
2-Toluidine	<95	H	95
1,2,4-Trichlorobenzene	<95	H	95
2,4,5-Trichlorophenol	<95	H	95
2,4,6-Trichlorophenol	<95	H	95
1,3,5-Trinitrobenzene	<95	H	95

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	0	D	40 - 139
2-Fluorobiphenyl	0	D	50 - 113
2-Fluorophenol	0	D	36 - 110
Terphenyl-d14	0	D	10 - 121
Phenol-d5	0	D	38 - 116
Nitrobenzene-d5	0	D	45 - 112

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: Dup

Lab Sample ID: 680-51170-6FD
Client Matrix: Water

Date Sampled: 09/29/2009 0000
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-150417		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-149426		Lab File ID:	g5608.d
Dilution:	10			Initial Weight/Volume:	1040 mL
Date Analyzed:	10/13/2009 1436			Final Weight/Volume:	1 mL
Date Prepared:	10/01/2009 1512			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<96		96
Acenaphthylene	<96		96
Acetophenone	<96		96
2-Acetylaminofluorene	<96		96
alpha,alpha-Dimethyl phenethylamine	<19000		19000
4-Aminobiphenyl	<96		96
Aniline	<190		190
Anthracene	<96		96
Aramite, Total	<96		96
Benzo[a]anthracene	<96		96
Benzo[a]pyrene	<96		96
Benzo[b]fluoranthene	<96		96
Benzo[g,h,i]perylene	<96		96
Benzo[k]fluoranthene	<96		96
Benzyl alcohol	<96		96
1,1'-Biphenyl	330		96
Bis(2-chloroethoxy)methane	<96		96
Bis(2-chloroethyl)ether	<96		96
bis(chloroisopropyl) ether	<96		96
Bis(2-ethylhexyl) phthalate	<96		96
4-Bromophenyl phenyl ether	<96		96
Butyl benzyl phthalate	<96		96
4-Chloroaniline	<190		190
4-Chloro-3-methylphenol	<96		96
2-Chloronaphthalene	<96		96
2-Chlorophenol	<96		96
4-Chlorophenyl phenyl ether	<96		96
Chrysene	<96		96
Diallate	<96		96
Dibenz(a,h)anthracene	<96		96
Dibenzofuran	<96		96
1,2-Dichlorobenzene	<96		96
1,3-Dichlorobenzene	<96		96
1,4-Dichlorobenzene	<96		96
3,3'-Dichlorobenzidine	<190		190
2,4-Dichlorophenol	<96		96
2,6-Dichlorophenol	<96		96
Diethyl phthalate	<96		96
Dimethoate	<96		96
7,12-Dimethylbenz(a)anthracene	<96		96
3,3'-Dimethylbenzidine	<190		190
2,4-Dimethylphenol	<96		96
Dimethyl phthalate	<96		96
Di-n-butyl phthalate	<96		96
1,3-Dinitrobenzene	<96		96
4,6-Dinitro-2-methylphenol	<480		480

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: Dup

Lab Sample ID: 680-51170-6FD
Client Matrix: Water

Date Sampled: 09/29/2009 0000
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-150417		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-149426		Lab File ID:	g5608.d
Dilution:	10			Initial Weight/Volume:	1040 mL
Date Analyzed:	10/13/2009 1436			Final Weight/Volume:	1 mL
Date Prepared:	10/01/2009 1512			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrophenol	<480		480
2,4-Dinitrotoluene	<96		96
2,6-Dinitrotoluene	<96		96
Di-n-octyl phthalate	<96		96
Dinoseb	<96		96
1,4-Dioxane	990		96
Disulfoton	<96		96
Ethyl methanesulfonate	<96		96
Ethyl Parathion	<96		96
Famphur	<96		96
Fluoranthene	<96		96
Fluorene	<96		96
Hexachlorobenzene	<96		96
Hexachlorobutadiene	<96		96
Hexachlorocyclopentadiene	<96		96
Hexachloroethane	<96		96
Hexachlorophene	<48000		48000
Hexachloropropene	<96		96
Indeno[1,2,3-cd]pyrene	<96		96
Isophorone	<96		96
Isosafrole	<96		96
Methapyrilene	<19000		19000
3-Methylcholanthrene	<96		96
Methyl methanesulfonate	<96		96
2-Methylnaphthalene	<96		96
Methyl parathion	<96		96
2-Methylphenol	<96		96
3 & 4 Methylphenol	610		96
Naphthalene	<96		96
1,4-Naphthoquinone	<96		96
1-Naphthylamine	<96		96
2-Naphthylamine	<96		96
2-Nitroaniline	<480		480
3-Nitroaniline	<480		480
4-Nitroaniline	<480		480
Nitrobenzene	<96		96
2-Nitrophenol	<96		96
4-Nitrophenol	<480		480
4-Nitroquinoline-1-oxide	<190		190
N-Nitro-o-toluidine	<96		96
N-Nitrosodiethylamine	<96		96
N-Nitrosodimethylamine	<96		96
N-Nitrosodi-n-butylamine	<96		96
N-Nitrosodi-n-propylamine	<96		96
N-Nitrosodiphenylamine	<96		96
N-Nitrosomethylethylamine	<96		96

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: Dup

Lab Sample ID: 680-51170-6FD
Client Matrix: Water

Date Sampled: 09/29/2009 0000
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-150417		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-149426		Lab File ID:	g5608.d
Dilution:	10			Initial Weight/Volume:	1040 mL
Date Analyzed:	10/13/2009 1436			Final Weight/Volume:	1 mL
Date Prepared:	10/01/2009 1512			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	<96		96
N-Nitrosopiperidine	<96		96
N-Nitrosopyrrolidine	<96		96
o,o',o''-Triethylphosphorothioate	<96		96
p-Dimethylamino azobenzene	<96		96
Pentachlorobenzene	<96		96
Pentachloronitrobenzene	<96		96
Pentachlorophenol	<480		480
Phenacetin	<96		96
Phenanthrene	<96		96
Phenol	250		96
Phorate	<96		96
2-Picoline	<96		96
p-Phenylene diamine	<19000		19000
Pronamide	<96		96
Pyrene	<96		96
Pyridine	<480		480
Safrole, Total	<96		96
Sulfotepp	<96		96
1,2,4,5-Tetrachlorobenzene	<96		96
2,3,4,6-Tetrachlorophenol	<96		96
Thionazin	<96		96
2-Toluidine	<96		96
1,2,4-Trichlorobenzene	<96		96
2,4,5-Trichlorophenol	<96		96
2,4,6-Trichlorophenol	<96		96
1,3,5-Trinitrobenzene	<96		96

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	0	D	40 - 139
2-Fluorobiphenyl	0	D	50 - 113
2-Fluorophenol	0	D	36 - 110
Terphenyl-d14	0	D	10 - 121
Phenol-d5	0	D	38 - 116
Nitrobenzene-d5	0	D	45 - 112

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: Dup

Lab Sample ID: 680-51170-6FD
Client Matrix: Water

Date Sampled: 09/29/2009 0000
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-151289		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-150728		Lab File ID:	g5659.d
Dilution:	10			Initial Weight/Volume:	1050 mL
Date Analyzed:	10/21/2009 1548	Run Type:	RE	Final Weight/Volume:	1 mL
Date Prepared:	10/16/2009 1358			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<95	H	95
Acenaphthylene	<95	H	95
Acetophenone	<95	H	95
2-Acetylaminofluorene	<95	H	95
alpha,alpha-Dimethyl phenethylamine	<19000	H	19000
4-Aminobiphenyl	<95	H	95
Aniline	<190	H	190
Anthracene	<95	H	95
Aramite, Total	<95	H	95
Benzo[a]anthracene	<95	H	95
Benzo[a]pyrene	<95	H	95
Benzo[b]fluoranthene	<95	H	95
Benzo[g,h,i]perylene	<95	H	95
Benzo[k]fluoranthene	<95	H	95
Benzyl alcohol	<95	H	95
1,1'-Biphenyl	270	H	95
Bis(2-chloroethoxy)methane	<95	H	95
Bis(2-chloroethyl)ether	<95	H	95
bis(chloroisopropyl) ether	<95	H	95
Bis(2-ethylhexyl) phthalate	<95	H	95
4-Bromophenyl phenyl ether	<95	H	95
Butyl benzyl phthalate	<95	H	95
4-Chloroaniline	<190	H	190
4-Chloro-3-methylphenol	<95	H	95
2-Chloronaphthalene	<95	H	95
2-Chlorophenol	<95	H	95
4-Chlorophenyl phenyl ether	<95	H	95
Chrysene	<95	H	95
Diallate	<95	H	95
Dibenz(a,h)anthracene	<95	H	95
Dibenzofuran	<95	H	95
1,2-Dichlorobenzene	<95	H	95
1,3-Dichlorobenzene	<95	H	95
1,4-Dichlorobenzene	<95	H	95
3,3'-Dichlorobenzidine	<190	H	190
2,4-Dichlorophenol	<95	H	95
2,6-Dichlorophenol	<95	H	95
Diethyl phthalate	<95	H	95
Dimethoate	<95	H	95
7,12-Dimethylbenz(a)anthracene	<95	H	95
3,3'-Dimethylbenzidine	<190	H	190
2,4-Dimethylphenol	<95	H	95
Dimethyl phthalate	<95	H	95
Di-n-butyl phthalate	<95	H	95
1,3-Dinitrobenzene	<95	H	95
4,6-Dinitro-2-methylphenol	<480	H	480

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: Dup

Lab Sample ID: 680-51170-6FD
Client Matrix: Water

Date Sampled: 09/29/2009 0000
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-151289		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-150728		Lab File ID:	g5659.d
Dilution:	10			Initial Weight/Volume:	1050 mL
Date Analyzed:	10/21/2009 1548	Run Type:	RE	Final Weight/Volume:	1 mL
Date Prepared:	10/16/2009 1358			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrophenol	<480	H	480
2,4-Dinitrotoluene	<95	H	95
2,6-Dinitrotoluene	<95	H	95
Di-n-octyl phthalate	<95	H	95
Dinoseb	<95	H	95
1,4-Dioxane	1100	H	95
Disulfoton	<95	H	95
Ethyl methanesulfonate	<95	H	95
Ethyl Parathion	<95	H	95
Famphur	<95	H *	95
Fluoranthene	<95	H	95
Fluorene	<95	H	95
Hexachlorobenzene	<95	H	95
Hexachlorobutadiene	<95	H	95
Hexachlorocyclopentadiene	<95	H	95
Hexachloroethane	<95	H	95
Hexachlorophene	<48000	H	48000
Hexachloropropene	<95	H	95
Indeno[1,2,3-cd]pyrene	<95	H	95
Isophorone	<95	H	95
Isosafrole	<95	H	95
Methapyrilene	<19000	H	19000
3-Methylcholanthrene	<95	H	95
Methyl methanesulfonate	<95	H *	95
2-Methylnaphthalene	<95	H	95
Methyl parathion	<95	H	95
2-Methylphenol	<95	H	95
3 & 4 Methylphenol	560	H	95
Naphthalene	<95	H	95
1,4-Naphthoquinone	<95	H *	95
1-Naphthylamine	<95	H *	95
2-Naphthylamine	<95	H	95
2-Nitroaniline	<480	H	480
3-Nitroaniline	<480	H	480
4-Nitroaniline	<480	H	480
Nitrobenzene	<95	H	95
2-Nitrophenol	<95	H	95
4-Nitrophenol	<480	H	480
4-Nitroquinoline-1-oxide	<190	H	190
N-Nitro-o-toluidine	<95	H	95
N-Nitrosodiethylamine	<95	H	95
N-Nitrosodimethylamine	<95	H	95
N-Nitrosodi-n-butylamine	<95	H	95
N-Nitrosodi-n-propylamine	<95	H	95
N-Nitrosodiphenylamine	<95	H	95
N-Nitrosomethylethylamine	<95	H	95

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: Dup

Lab Sample ID: 680-51170-6FD
Client Matrix: Water

Date Sampled: 09/29/2009 0000
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-151289		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-150728		Lab File ID:	g5659.d
Dilution:	10			Initial Weight/Volume:	1050 mL
Date Analyzed:	10/21/2009 1548	Run Type:	RE	Final Weight/Volume:	1 mL
Date Prepared:	10/16/2009 1358			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	<95	H	95
N-Nitrosopiperidine	<95	H	95
N-Nitrosopyrrolidine	<95	H	95
o,o',o"-Triethylphosphorothioate	<95	H	95
p-Dimethylamino azobenzene	<95	H	95
Pentachlorobenzene	<95	H	95
Pentachloronitrobenzene	<95	H	95
Pentachlorophenol	<480	H	480
Phenacetin	<95	H	95
Phenanthrene	<95	H	95
Phenol	200	H	95
Phorate	<95	H	95
2-Picoline	<95	H	95
p-Phenylene diamine	<19000	H	19000
Pronamide	<95	H	95
Pyrene	<95	H	95
Pyridine	<480	H	480
Safrole, Total	<95	H	95
Sulfotepp	<95	H	95
1,2,4,5-Tetrachlorobenzene	<95	H	95
2,3,4,6-Tetrachlorophenol	<95	H	95
Thionazin	<95	H	95
2-Toluidine	<95	H	95
1,2,4-Trichlorobenzene	<95	H	95
2,4,5-Trichlorophenol	<95	H	95
2,4,6-Trichlorophenol	<95	H	95
1,3,5-Trinitrobenzene	<95	H	95

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	0	D	40 - 139
2-Fluorobiphenyl	0	D	50 - 113
2-Fluorophenol	0	D	36 - 110
Terphenyl-d14	0	D	10 - 121
Phenol-d5	0	D	38 - 116
Nitrobenzene-d5	0	D	45 - 112

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-21

Lab Sample ID: 680-51170-7
Client Matrix: Water

Date Sampled: 09/29/2009 1142
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-150416		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-149426		Lab File ID:	g5586.d
Dilution:	10			Initial Weight/Volume:	1040 mL
Date Analyzed:	10/12/2009 1334			Final Weight/Volume:	1 mL
Date Prepared:	10/01/2009 1512			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<96		96
Acenaphthylene	<96		96
Acetophenone	<96		96
2-Acetylaminofluorene	<96		96
alpha,alpha-Dimethyl phenethylamine	<19000	*	19000
4-Aminobiphenyl	<96		96
Aniline	<190		190
Anthracene	<96		96
Aramite, Total	<96		96
Benzo[a]anthracene	<96		96
Benzo[a]pyrene	<96		96
Benzo[b]fluoranthene	<96		96
Benzo[g,h,i]perylene	<96		96
Benzo[k]fluoranthene	<96		96
Benzyl alcohol	<96		96
1,1'-Biphenyl	730		96
Bis(2-chloroethoxy)methane	<96	*	96
Bis(2-chloroethyl)ether	<96		96
bis(chloroisopropyl) ether	<96		96
Bis(2-ethylhexyl) phthalate	<96		96
4-Bromophenyl phenyl ether	<96		96
Butyl benzyl phthalate	<96		96
4-Chloroaniline	<190		190
4-Chloro-3-methylphenol	<96		96
2-Chloronaphthalene	<96		96
2-Chlorophenol	<96		96
4-Chlorophenyl phenyl ether	<96		96
Chrysene	<96		96
Diallate	<96		96
Dibenz(a,h)anthracene	<96		96
Dibenzofuran	<96		96
1,2-Dichlorobenzene	<96		96
1,3-Dichlorobenzene	<96		96
1,4-Dichlorobenzene	<96		96
3,3'-Dichlorobenzidine	<190		190
2,4-Dichlorophenol	<96		96
2,6-Dichlorophenol	<96		96
Diethyl phthalate	<96		96
Dimethoate	<96		96
7,12-Dimethylbenz(a)anthracene	<96		96
3,3'-Dimethylbenzidine	<190	*	190
2,4-Dimethylphenol	<96		96
Dimethyl phthalate	<96		96
Di-n-butyl phthalate	<96		96
1,3-Dinitrobenzene	<96		96
4,6-Dinitro-2-methylphenol	<480		480

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: **MW-21**

Lab Sample ID: 680-51170-7
Client Matrix: Water

Date Sampled: 09/29/2009 1142
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-150416		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-149426		Lab File ID:	g5586.d
Dilution:	10			Initial Weight/Volume:	1040 mL
Date Analyzed:	10/12/2009 1334			Final Weight/Volume:	1 mL
Date Prepared:	10/01/2009 1512			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrophenol	<480		480
2,4-Dinitrotoluene	<96		96
2,6-Dinitrotoluene	<96		96
Di-n-octyl phthalate	<96		96
Dinoseb	<96		96
1,4-Dioxane	360		96
Disulfoton	<96		96
Ethyl methanesulfonate	<96		96
Ethyl Parathion	<96		96
Famphur	<96		96
Fluoranthene	<96		96
Fluorene	<96		96
Hexachlorobenzene	<96		96
Hexachlorobutadiene	<96		96
Hexachlorocyclopentadiene	<96		96
Hexachloroethane	<96		96
Hexachlorophene	<48000		48000
Hexachloropropene	<96		96
Indeno[1,2,3-cd]pyrene	<96		96
Isophorone	<96		96
Isosafrole	<96		96
Methapyrilene	<19000	*	19000
3-Methylcholanthrene	<96		96
Methyl methanesulfonate	<96	*	96
2-Methylnaphthalene	<96		96
Methyl parathion	<96		96
2-Methylphenol	<96		96
3 & 4 Methylphenol	160		96
Naphthalene	<96		96
1,4-Naphthoquinone	<96		96
1-Naphthylamine	<96	*	96
2-Naphthylamine	<96		96
2-Nitroaniline	<480		480
3-Nitroaniline	<480		480
4-Nitroaniline	<480		480
Nitrobenzene	<96		96
2-Nitrophenol	<96		96
4-Nitrophenol	<480		480
4-Nitroquinoline-1-oxide	<190		190
N-Nitro-o-toluidine	<96		96
N-Nitrosodiethylamine	<96		96
N-Nitrosodimethylamine	<96		96
N-Nitrosodi-n-butylamine	<96		96
N-Nitrosodi-n-propylamine	<96		96
N-Nitrosodiphenylamine	<96		96
N-Nitrosomethylethylamine	<96		96

Client: Ashland Inc. Job Number: 680-51170-1

Client Sample ID: MW-21

Lab Sample ID: 680-51170-7 Date Sampled: 09/29/2009 1142
Client Matrix: Water Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-150416		Instrument ID:	MSG
Preparation:	3520C	Prep Batch: 680-149426		Lab File ID:	g5586.d
Dilution:	10			Initial Weight/Volume:	1040 mL
Date Analyzed:	10/12/2009 1334			Final Weight/Volume:	1 mL
Date Prepared:	10/01/2009 1512			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	<96		96
N-Nitrosopiperidine	<96		96
N-Nitrosopyrrolidine	<96		96
o,o',o''-Triethylphosphorothioate	<96		96
p-Dimethylamino azobenzene	<96		96
Pentachlorobenzene	<96		96
Pentachloronitrobenzene	<96		96
Pentachlorophenol	<480		480
Phenacetin	<96		96
Phenanthrene	<96		96
Phenol	<96		96
Phorate	<96		96
2-Picoline	<96	*	96
p-Phenylene diamine	<19000	*	19000
Pronamide	<96		96
Pyrene	<96		96
Pyridine	<480	*	480
Safrole, Total	<96		96
Sulfotepp	<96		96
1,2,4,5-Tetrachlorobenzene	<96		96
2,3,4,6-Tetrachlorophenol	<96		96
Thionazin	<96		96
2-Toluidine	<96		96
1,2,4-Trichlorobenzene	<96		96
2,4,5-Trichlorophenol	<96		96
2,4,6-Trichlorophenol	<96		96
1,3,5-Trinitrobenzene	<96		96

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	0	D	40 - 139
2-Fluorobiphenyl	0	D	50 - 113
2-Fluorophenol	0	D	36 - 110
Terphenyl-d14	0	D	10 - 121
Phenol-d5	0	D	38 - 116
Nitrobenzene-d5	0	D	45 - 112

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: **MW-21**

Lab Sample ID: 680-51170-7
Client Matrix: Water

Date Sampled: 09/29/2009 1142
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-151383		Instrument ID:	MST
Preparation:	3520C	Prep Batch: 680-150728		Lab File ID:	t3818.d
Dilution:	10			Initial Weight/Volume:	1050 mL
Date Analyzed:	10/23/2009 1136	Run Type:	RE	Final Weight/Volume:	1 mL
Date Prepared:	10/16/2009 1358			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
Acenaphthene	<95	H	95
Acenaphthylene	<95	H	95
Acetophenone	<95	H	95
2-Acetylaminofluorene	<95	H	95
alpha,alpha-Dimethyl phenethylamine	<19000	H	19000
4-Aminobiphenyl	<95	H	95
Aniline	<190	H	190
Anthracene	<95	H	95
Aramite, Total	<95	H	95
Benzo[a]anthracene	<95	H	95
Benzo[a]pyrene	<95	H	95
Benzo[b]fluoranthene	<95	H	95
Benzo[g,h,i]perylene	<95	H	95
Benzo[k]fluoranthene	<95	H	95
Benzyl alcohol	<95	H	95
1,1'-Biphenyl	580	H	95
Bis(2-chloroethoxy)methane	<95	H	95
Bis(2-chloroethyl)ether	<95	H	95
bis(chloroisopropyl) ether	<95	H	95
Bis(2-ethylhexyl) phthalate	<95	H	95
4-Bromophenyl phenyl ether	<95	H	95
Butyl benzyl phthalate	<95	H	95
4-Chloroaniline	<190	H	190
4-Chloro-3-methylphenol	<95	H	95
2-Chloronaphthalene	<95	H	95
2-Chlorophenol	<95	H	95
4-Chlorophenyl phenyl ether	<95	H	95
Chrysene	<95	H	95
Diallate	<95	H	95
Dibenz(a,h)anthracene	<95	H	95
Dibenzofuran	<95	H	95
1,2-Dichlorobenzene	<95	H	95
1,3-Dichlorobenzene	<95	H	95
1,4-Dichlorobenzene	<95	H	95
3,3'-Dichlorobenzidine	<190	H	190
2,4-Dichlorophenol	<95	H	95
2,6-Dichlorophenol	<95	H	95
Diethyl phthalate	<95	H	95
Dimethoate	<95	H	95
7,12-Dimethylbenz(a)anthracene	<95	H	95
3,3'-Dimethylbenzidine	<190	H	190
2,4-Dimethylphenol	<95	H	95
Dimethyl phthalate	<95	H	95
Di-n-butyl phthalate	<95	H	95
1,3-Dinitrobenzene	<95	H	95
4,6-Dinitro-2-methylphenol	<480	H	480

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-21

Lab Sample ID: 680-51170-7
Client Matrix: Water

Date Sampled: 09/29/2009 1142
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-151383		Instrument ID:	MST
Preparation:	3520C	Prep Batch: 680-150728		Lab File ID:	t3818.d
Dilution:	10			Initial Weight/Volume:	1050 mL
Date Analyzed:	10/23/2009 1136	Run Type:	RE	Final Weight/Volume:	1 mL
Date Prepared:	10/16/2009 1358			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
2,4-Dinitrophenol	<480	H	480
2,4-Dinitrotoluene	<95	H	95
2,6-Dinitrotoluene	<95	H	95
Di-n-octyl phthalate	<95	H	95
Dinoseb	<95	H	95
1,4-Dioxane	670	H	95
Disulfoton	<95	H	95
Ethyl methanesulfonate	<95	H	95
Ethyl Parathion	<95	H	95
Famphur	<95	H	95
Fluoranthene	<95	H	95
Fluorene	<95	H	95
Hexachlorobenzene	<95	H	95
Hexachlorobutadiene	<95	H	95
Hexachlorocyclopentadiene	<95	H	95
Hexachloroethane	<95	H	95
Hexachlorophene	<48000	H	48000
Hexachloropropene	<95	H	95
Indeno[1,2,3-cd]pyrene	<95	H	95
Isophorone	<95	H	95
Isosafrole	<95	H	95
Methapyrilene	<19000	H	19000
3-Methylcholanthrene	<95	H	95
Methyl methanesulfonate	<95	H	95
2-Methylnaphthalene	<95	H	95
Methyl parathion	<95	H	95
2-Methylphenol	<95	H	95
3 & 4 Methylphenol	120	H	95
Naphthalene	<95	H	95
1,4-Naphthoquinone	<95	H	95
1-Naphthylamine	<95	H	95
2-Naphthylamine	<95	H	95
2-Nitroaniline	<480	H	480
3-Nitroaniline	<480	H	480
4-Nitroaniline	<480	H	480
Nitrobenzene	<95	H	95
2-Nitrophenol	<95	H	95
4-Nitrophenol	<480	H	480
4-Nitroquinoline-1-oxide	<190	H	190
N-Nitro-o-toluidine	<95	H	95
N-Nitrosodiethylamine	<95	H	95
N-Nitrosodimethylamine	<95	H	95
N-Nitrosodi-n-butylamine	<95	H	95
N-Nitrosodi-n-propylamine	<95	H	95
N-Nitrosodiphenylamine	<95	H	95
N-Nitrosomethylethylamine	<95	H	95

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: **MW-21**

Lab Sample ID: 680-51170-7
Client Matrix: Water

Date Sampled: 09/29/2009 1142
Date Received: 09/30/2009 0853

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-151383		Instrument ID:	MST
Preparation:	3520C	Prep Batch: 680-150728		Lab File ID:	t3818.d
Dilution:	10			Initial Weight/Volume:	1050 mL
Date Analyzed:	10/23/2009 1136	Run Type:	RE	Final Weight/Volume:	1 mL
Date Prepared:	10/16/2009 1358			Injection Volume:	

Analyte	Result (ug/L)	Qualifier	RL
N-Nitrosomorpholine	<95	H	95
N-Nitrosopiperidine	<95	H	95
N-Nitrosopyrrolidine	<95	H	95
o,o',o''-Triethylphosphorothioate	<95	H	95
p-Dimethylamino azobenzene	<95	H	95
Pentachlorobenzene	<95	H	95
Pentachloronitrobenzene	<95	H	95
Pentachlorophenol	<480	H	480
Phenacetin	<95	H	95
Phenanthrene	<95	H	95
Phenol	140	H	95
Phorate	<95	H	95
2-Picoline	<95	H	95
p-Phenylene diamine	<19000	H	19000
Pronamide	<95	H	95
Pyrene	<95	H	95
Pyridine	<480	H	480
Safrole, Total	<95	H	95
Sulfotepp	<95	H	95
1,2,4,5-Tetrachlorobenzene	<95	H	95
2,3,4,6-Tetrachlorophenol	<95	H	95
Thionazin	<95	H	95
2-Toluidine	<95	H	95
1,2,4-Trichlorobenzene	<95	H	95
2,4,5-Trichlorophenol	<95	H	95
2,4,6-Trichlorophenol	<95	H	95
1,3,5-Trinitrobenzene	<95	H	95

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	0	D	40 - 139
2-Fluorobiphenyl	0	D	50 - 113
2-Fluorophenol	0	D	36 - 110
Terphenyl-d14	0	D	10 - 121
Phenol-d5	0	D	38 - 116
Nitrobenzene-d5	0	D	45 - 112

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-24

Lab Sample ID: 680-51170-1
Client Matrix: Water

Date Sampled: 09/28/2009 1605
Date Received: 09/30/2009 0853

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-149832		Instrument ID:	SGM
Preparation:	3520C	Prep Batch: 680-149433		Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	10/05/2009 1844			Injection Volume:	1.0 uL
Date Prepared:	10/01/2009 1512			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
PCB-1016	<0.94		0.94
PCB-1221	<1.9		1.9
PCB-1232	<0.94		0.94
PCB-1242	<0.94		0.94
PCB-1248	<0.94		0.94
PCB-1254	<0.94		0.94
PCB-1260	<0.94		0.94
Chlorobenzilate	<0.47		0.47
Isodrin	<0.047		0.047
Kepone	<0.94		0.94
4,4'-DDD	<0.094		0.094
4,4'-DDE	<0.094		0.094
4,4'-DDT	<0.094		0.094
Aldrin	<0.047		0.047
alpha-BHC	<0.047		0.047
beta-BHC	<0.047		0.047
Chlordane (technical)	<0.47		0.47
delta-BHC	<0.047		0.047
Dieldrin	<0.094		0.094
Endosulfan I	<0.047		0.047
Endosulfan II	<0.094		0.094
Endosulfan sulfate	<0.094		0.094
Endrin	<0.094		0.094
Endrin aldehyde	<0.094		0.094
Endrin ketone	<0.094		0.094
gamma-BHC (Lindane)	<0.047		0.047
Heptachlor	<0.047		0.047
Heptachlor epoxide	<0.047		0.047
Methoxychlor	<0.47		0.47
Toxaphene	<4.7		4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	18		14 - 115
Tetrachloro-m-xylene	54		35 - 120

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: RB

Lab Sample ID: 680-51170-2RB
Client Matrix: Water

Date Sampled: 09/28/2009 1745
Date Received: 09/30/2009 0853

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-149832		Instrument ID:	SGM
Preparation:	3520C	Prep Batch: 680-149433		Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	10/05/2009 1903			Injection Volume:	1.0 uL
Date Prepared:	10/01/2009 1512			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
PCB-1016	<0.94		0.94
PCB-1221	<1.9		1.9
PCB-1232	<0.94		0.94
PCB-1242	<0.94		0.94
PCB-1248	<0.94		0.94
PCB-1254	<0.94		0.94
PCB-1260	<0.94		0.94
Chlorobenzilate	<0.47		0.47
Isodrin	<0.047		0.047
Kepone	<0.94		0.94
4,4'-DDD	<0.094		0.094
4,4'-DDE	<0.094		0.094
4,4'-DDT	<0.094		0.094
Aldrin	<0.047		0.047
alpha-BHC	<0.047		0.047
beta-BHC	<0.047		0.047
Chlordane (technical)	<0.47		0.47
delta-BHC	<0.047		0.047
Dieldrin	<0.094		0.094
Endosulfan I	<0.047		0.047
Endosulfan II	<0.094		0.094
Endosulfan sulfate	<0.094		0.094
Endrin	<0.094		0.094
Endrin aldehyde	<0.094		0.094
Endrin ketone	<0.094		0.094
gamma-BHC (Lindane)	<0.047		0.047
Heptachlor	<0.047		0.047
Heptachlor epoxide	<0.047		0.047
Methoxychlor	<0.47		0.47
Toxaphene	<4.7		4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	58		14 - 115
Tetrachloro-m-xylene	56		35 - 120

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-20

Lab Sample ID: 680-51170-3
Client Matrix: Water

Date Sampled: 09/29/2009 0720
Date Received: 09/30/2009 0853

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-149832		Instrument ID:	SGM
Preparation:	3520C	Prep Batch: 680-149433		Initial Weight/Volume:	1060 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	10/05/2009 1923			Injection Volume:	1.0 uL
Date Prepared:	10/01/2009 1512			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
PCB-1016	<0.94		0.94
PCB-1221	<1.9		1.9
PCB-1232	<0.94		0.94
PCB-1242	<0.94		0.94
PCB-1248	<0.94		0.94
PCB-1254	<0.94		0.94
PCB-1260	<0.94		0.94
Chlorobenzilate	<0.47		0.47
Isodrin	<0.047		0.047
Kepone	<0.94		0.94
4,4'-DDD	<0.094		0.094
4,4'-DDE	<0.094		0.094
4,4'-DDT	<0.094		0.094
Aldrin	<0.047		0.047
alpha-BHC	<0.047		0.047
beta-BHC	<0.047		0.047
Chlordane (technical)	<0.47		0.47
delta-BHC	<0.047		0.047
Dieldrin	<0.094		0.094
Endosulfan I	<0.047		0.047
Endosulfan II	<0.094		0.094
Endosulfan sulfate	<0.094		0.094
Endrin	<0.094		0.094
Endrin aldehyde	<0.094		0.094
Endrin ketone	<0.094		0.094
gamma-BHC (Lindane)	<0.047		0.047
Heptachlor	<0.047		0.047
Heptachlor epoxide	<0.047		0.047
Methoxychlor	<0.47		0.47
Toxaphene	<4.7		4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	11	p X	14 - 115
Tetrachloro-m-xylene	67		35 - 120

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: **MW-22**

Lab Sample ID: 680-51170-4
Client Matrix: Water

Date Sampled: 09/29/2009 0823
Date Received: 09/30/2009 0853

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-149832		Instrument ID:	SGM
Preparation:	3520C	Prep Batch: 680-149433		Initial Weight/Volume:	1030 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	10/05/2009 1942			Injection Volume:	1.0 uL
Date Prepared:	10/01/2009 1512			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
PCB-1016	<0.97		0.97
PCB-1221	<1.9		1.9
PCB-1232	<0.97		0.97
PCB-1242	<0.97		0.97
PCB-1248	<0.97		0.97
PCB-1254	<0.97		0.97
PCB-1260	<0.97		0.97
Chlorobenzilate	<0.49		0.49
Isodrin	<0.049		0.049
Kepone	<0.97		0.97
4,4'-DDD	<0.097		0.097
4,4'-DDE	<0.097		0.097
4,4'-DDT	<0.097		0.097
Aldrin	<0.049		0.049
alpha-BHC	<0.049		0.049
beta-BHC	<0.049		0.049
Chlordane (technical)	<0.49		0.49
delta-BHC	<0.049		0.049
Dieldrin	<0.097		0.097
Endosulfan I	<0.049		0.049
Endosulfan II	<0.097		0.097
Endosulfan sulfate	<0.097		0.097
Endrin	<0.097		0.097
Endrin aldehyde	<0.097		0.097
Endrin ketone	<0.097		0.097
gamma-BHC (Lindane)	<0.049		0.049
Heptachlor	<0.049		0.049
Heptachlor epoxide	<0.049		0.049
Methoxychlor	<0.49		0.49
Toxaphene	<4.9		4.9

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	11	X	14 - 115
Tetrachloro-m-xylene	48		35 - 120

Client: Ashland Inc.

Job Number: 680-51170-1

Client Sample ID: MW-23

Lab Sample ID: 680-51170-5
Client Matrix: Water

Date Sampled: 09/29/2009 0945
Date Received: 09/30/2009 0853

8081A_8082 Organochlorine Pesticides & PCBs (GC)

Method:	8081A_8082	Analysis Batch: 680-149832		Instrument ID:	SGM
Preparation:	3520C	Prep Batch: 680-149433		Initial Weight/Volume:	1040 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	10/05/2009 2002			Injection Volume:	1.0 uL
Date Prepared:	10/01/2009 1512			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	RL
PCB-1016	<0.96		0.96
PCB-1221	<1.9		1.9
PCB-1232	<0.96		0.96
PCB-1242	<0.96		0.96
PCB-1248	<0.96		0.96
PCB-1254	<0.96		0.96
PCB-1260	<0.96		0.96
Chlorobenzilate	<0.48		0.48
Isodrin	<0.048		0.048
Kepone	<0.96		0.96
4,4'-DDD	<0.096		0.096
4,4'-DDE	<0.096		0.096
4,4'-DDT	<0.096		0.096
Aldrin	<0.048		0.048
alpha-BHC	<0.048		0.048
beta-BHC	<0.048		0.048
Chlordane (technical)	<0.48		0.48
delta-BHC	<0.048		0.048
Dieldrin	<0.096		0.096
Endosulfan I	<0.048		0.048
Endosulfan II	<0.096		0.096
Endosulfan sulfate	<0.096		0.096
Endrin	<0.096		0.096
Endrin aldehyde	<0.096		0.096
Endrin ketone	<0.096		0.096
gamma-BHC (Lindane)	<0.048		0.048
Heptachlor	<0.048		0.048
Heptachlor epoxide	<0.048		0.048
Methoxychlor	<0.48		0.48
Toxaphene	<4.8		4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	16		14 - 115
Tetrachloro-m-xylene	61		35 - 120