

Analytical Data

Client: Ashland Inc.

Job Number: 680-57580-1

Client Sample ID: HER-FD01-051110

Lab Sample ID: 680-57580-7FD

Date Sampled: 05/11/2010 0000

Client Matrix: Water

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-168840	Instrument ID:	MSO
Preparation:	5030B		Lab File ID:	o0659.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	05/16/2010 1345		Final Weight/Volume:	5 mL
Date Prepared:	05/16/2010 1345			

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	88		75 - 120
Dibromofluoromethane	108		75 - 121
Toluene-d8 (Surr)	99		75 - 120

Analytical Data

Client: Ashland Inc.

Job Number: 680-57580-1

Client Sample ID: HER-RS01-051110

Lab Sample ID: 680-57580-8RB

Date Sampled: 05/11/2010 1253

Client Matrix: Water

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-168654	Instrument ID:	MSO
Preparation:	5030B		Lab File ID:	o0611.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	05/14/2010 1701		Final Weight/Volume:	5 mL
Date Prepared:	05/14/2010 1701			

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

Analytical Data

Client: Ashland Inc.

Job Number: 680-57580-1

Client Sample ID: HER-RS01-051110

Lab Sample ID: 680-57580-8RB

Date Sampled: 05/11/2010 1253

Client Matrix: Water

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-168654	Instrument ID:	MSO
Preparation:	5030B		Lab File ID:	o0611.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	05/14/2010 1701		Final Weight/Volume:	5 mL
Date Prepared:	05/14/2010 1701			

Analyte	Result (ug/L)	Qualifier	RL
Toluene	1.1		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	85		75 - 120
Dibromofluoromethane	104		75 - 121
Toluene-d8 (Surr)	102		75 - 120

Analytical Data

Client: Ashland Inc.

Job Number: 680-57580-1

Client Sample ID: HER-MW02-051110

Lab Sample ID: 680-57580-9

Date Sampled: 05/11/2010 1119

Client Matrix: Water

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-168654

Instrument ID:

MSO

Preparation: 5030B

Lab File ID: o0613.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 05/14/2010 1730

Final Weight/Volume: 5 mL

Date Prepared: 05/14/2010 1730

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

Analytical Data

Client: Ashland Inc.

Job Number: 680-57580-1

Client Sample ID: HER-MW02-051110

Lab Sample ID: 680-57580-9

Date Sampled: 05/11/2010 1119

Client Matrix: Water

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-168654	Instrument ID:	MSO
Preparation:	5030B		Lab File ID:	o0613.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	05/14/2010 1730		Final Weight/Volume:	5 mL
Date Prepared:	05/14/2010 1730			

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	86		75 - 120
Dibromofluoromethane	105		75 - 121
Toluene-d8 (Surr)	102		75 - 120

Analytical Data

Client: Ashland Inc.

Job Number: 680-57580-1

Client Sample ID: HER-MW03-051110

Lab Sample ID: 680-57580-10

Date Sampled: 05/11/2010 1142

Client Matrix: Water

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-168654

Instrument ID:

MSO

Preparation: 5030B

Lab File ID: o0615.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 05/14/2010 1758

Final Weight/Volume: 5 mL

Date Prepared: 05/14/2010 1758

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

Analytical Data

Client: Ashland Inc.

Job Number: 680-57580-1

Client Sample ID: HER-MW03-051110

Lab Sample ID: 680-57580-10

Date Sampled: 05/11/2010 1142

Client Matrix: Water

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-168654

Instrument ID: MSO

Preparation: 5030B

Lab File ID: o0615.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 05/14/2010 1758

Final Weight/Volume: 5 mL

Date Prepared: 05/14/2010 1758

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	86		75 - 120
Dibromofluoromethane	103		75 - 121
Toluene-d8 (Surr)	101		75 - 120

Analytical Data

Client: Ashland Inc.

Job Number: 680-57580-1

Client Sample ID: HER-MW04-051110

Lab Sample ID: 680-57580-11

Date Sampled: 05/11/2010 1350

Client Matrix: Water

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-168654

Instrument ID: MSO

Preparation: 5030B

Lab File ID: o0617.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 05/14/2010 1827

Final Weight/Volume: 5 mL

Date Prepared: 05/14/2010 1827

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

Analytical Data

Client: Ashland Inc.

Job Number: 680-57580-1

Client Sample ID: HER-MW04-051110

Lab Sample ID: 680-57580-11

Date Sampled: 05/11/2010 1350

Client Matrix: Water

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-168654

Instrument ID: MSO

Preparation: 5030B

Lab File ID: o0617.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 05/14/2010 1827

Final Weight/Volume: 5 mL

Date Prepared: 05/14/2010 1827

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	87		75 - 120
Dibromofluoromethane	104		75 - 121
Toluene-d8 (Surr)	101		75 - 120

Analytical Data

Client: Ashland Inc.

Job Number: 680-57580-1

Client Sample ID: HER-MW10-051110

Lab Sample ID: 680-57580-12

Date Sampled: 05/11/2010 1340

Client Matrix: Water

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-168654

Instrument ID: MSO

Preparation: 5030B

Lab File ID: o0619.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 05/14/2010 1856

Final Weight/Volume: 5 mL

Date Prepared: 05/14/2010 1856

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

Analytical Data

Client: Ashland Inc.

Job Number: 680-57580-1

Client Sample ID: HER-MW10-051110

Lab Sample ID: 680-57580-12

Date Sampled: 05/11/2010 1340

Client Matrix: Water

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-168654	Instrument ID:	MSO
Preparation:	5030B		Lab File ID:	o0619.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	05/14/2010 1856		Final Weight/Volume:	5 mL
Date Prepared:	05/14/2010 1856			

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	85		75 - 120
Dibromofluoromethane	104		75 - 121
Toluene-d8 (Surr)	103		75 - 120

Analytical Data

Client: Ashland Inc.

Job Number: 680-57580-1

Client Sample ID: HER-MW11-051110

Lab Sample ID: 680-57580-13

Date Sampled: 05/11/2010 1444

Client Matrix: Water

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch:	680-168654	Instrument ID:	MSO
Preparation:	5030B			Lab File ID:	o0621.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	05/14/2010 1924			Final Weight/Volume:	5 mL
Date Prepared:	05/14/2010 1924				

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

Analytical Data

Client: Ashland Inc.

Job Number: 680-57580-1

Client Sample ID: HER-MW11-051110

Lab Sample ID: 680-57580-13

Date Sampled: 05/11/2010 1444

Client Matrix: Water

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-168654	Instrument ID:	MSO
Preparation:	5030B		Lab File ID:	o0621.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	05/14/2010 1924		Final Weight/Volume:	5 mL
Date Prepared:	05/14/2010 1924			

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	86		75 - 120
Dibromofluoromethane	104		75 - 121
Toluene-d8 (Surr)	102		75 - 120

Analytical Data

Client: Ashland Inc.

Job Number: 680-57580-1

Client Sample ID: HER-MW05-051110

Lab Sample ID: 680-57580-14

Date Sampled: 05/11/2010 1455

Client Matrix: Water

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-168842	Instrument ID:	MSO
Preparation:	5030B		Lab File ID:	o0627.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	05/15/2010 1714		Final Weight/Volume:	5 mL
Date Prepared:	05/15/2010 1714			

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

Analytical Data

Client: Ashland Inc.

Job Number: 680-57580-1

Client Sample ID: HER-MW05-051110

Lab Sample ID: 680-57580-14

Date Sampled: 05/11/2010 1455

Client Matrix: Water

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-168842	Instrument ID:	MSO
Preparation:	5030B		Lab File ID:	o0627.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	05/15/2010 1714		Final Weight/Volume:	5 mL
Date Prepared:	05/15/2010 1714			

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	88		75 - 120
Dibromofluoromethane	107		75 - 121
Toluene-d8 (Surr)	102		75 - 120

Analytical Data

Client: Ashland Inc.

Job Number: 680-57580-1

Client Sample ID: HER-MW12-051110

Lab Sample ID: 680-57580-15

Date Sampled: 05/11/2010 1557

Client Matrix: Water

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-168842	Instrument ID:	MSO
Preparation:	5030B		Lab File ID:	o0629.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	05/15/2010 1743		Final Weight/Volume:	5 mL
Date Prepared:	05/15/2010 1743			

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

Analytical Data

Client: Ashland Inc.

Job Number: 680-57580-1

Client Sample ID: HER-MW12-051110

Lab Sample ID: 680-57580-15

Date Sampled: 05/11/2010 1557

Client Matrix: Water

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-168842

Instrument ID:

MSO

Preparation: 5030B

Lab File ID:

o0629.d

Dilution: 1.0

Initial Weight/Volume:

5 mL

Date Analyzed: 05/15/2010 1743

Final Weight/Volume:

5 mL

Date Prepared: 05/15/2010 1743

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	85		75 - 120
Dibromofluoromethane	104		75 - 121
Toluene-d8 (Surr)	101		75 - 120

Analytical Data

Client: Ashland Inc.

Job Number: 680-57580-1

Client Sample ID: HER-MW06-051110

Lab Sample ID: 680-57580-16

Date Sampled: 05/11/2010 1555

Client Matrix: Water

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-168842

Instrument ID:

MSO

Preparation: 5030B

Lab File ID: o0631.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 05/15/2010 1811

Final Weight/Volume: 5 mL

Date Prepared: 05/15/2010 1811

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

Analytical Data

Client: Ashland Inc.

Job Number: 680-57580-1

Client Sample ID: HER-MW06-051110

Lab Sample ID: 680-57580-16

Date Sampled: 05/11/2010 1555

Client Matrix: Water

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-168842

Instrument ID: MSO

Preparation: 5030B

Lab File ID: o0631.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 05/15/2010 1811

Final Weight/Volume: 5 mL

Date Prepared: 05/15/2010 1811

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	87		75 - 120
Dibromofluoromethane	104		75 - 121
Toluene-d8 (Surr)	102		75 - 120

Analytical Data

Client: Ashland Inc.

Job Number: 680-57580-1

Client Sample ID: Trip Blank

Lab Sample ID: 680-57580-17TB

Date Sampled: 05/11/2010 0000

Client Matrix: Water

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-168842

Instrument ID:

MSO

Preparation: 5030B

Lab File ID: o0623.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 05/15/2010 1617

Final Weight/Volume: 5 mL

Date Prepared: 05/15/2010 1617

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

Analytical Data

Client: Ashland Inc.

Job Number: 680-57580-1

Client Sample ID: Trip Blank

Lab Sample ID: 680-57580-17TB

Date Sampled: 05/11/2010 0000

Client Matrix: Water

Date Received: 05/12/2010 0921

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-168842

Instrument ID:

MSO

Preparation: 5030B

Lab File ID:

o0623.d

Dilution: 1.0

Initial Weight/Volume:

5 mL

Date Analyzed: 05/15/2010 1617

Final Weight/Volume:

5 mL

Date Prepared: 05/15/2010 1617

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	87		75 - 120
Dibromofluoromethane	105		75 - 121
Toluene-d8 (Surr)	99		75 - 120

DATA REPORTING QUALIFIERS

Client: Ashland Inc.

Job Number: 680-57580-1

Lab Section	Qualifier	Description
GC/MS VOA		
	F	MS or MSD exceeds the control limits
	F	RPD of the MS and MSD exceeds the control limits

QUALITY CONTROL RESULTS

Quality Control Results

Client: Ashland Inc.

Job Number: 680-57580-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:680-168654					
LCS 680-168654/16	Lab Control Sample	T	Water	8260B	
LCSD 680-168654/17	Lab Control Sample Duplicate	T	Water	8260B	
MB 680-168654/19	Method Blank	T	Water	8260B	
680-57580-1	HER-CMO5-051110	T	Water	8260B	
680-57580-2	HER-CMO4-051110	T	Water	8260B	
680-57580-3	HER-CMO3-051110	T	Water	8260B	
680-57580-4	HER-CMO2-051110	T	Water	8260B	
680-57580-5	HER-CMO1-051110	T	Water	8260B	
680-57580-8RB	HER-RS01-051110	T	Water	8260B	
680-57580-9	HER-MW02-051110	T	Water	8260B	
680-57580-10	HER-MW03-051110	T	Water	8260B	
680-57580-11	HER-MW04-051110	T	Water	8260B	
680-57580-12	HER-MW10-051110	T	Water	8260B	
680-57580-13	HER-MW11-051110	T	Water	8260B	
Analysis Batch:680-168785					
LCS 680-168785/6	Lab Control Sample	T	Water	8260B	
LCSD 680-168785/7	Lab Control Sample Duplicate	T	Water	8260B	
MB 680-168785/9	Method Blank	T	Water	8260B	
680-57580-6	HER-CMO0-051110	T	Water	8260B	
Analysis Batch:680-168840					
LCS 680-168840/20	Lab Control Sample	T	Water	8260B	
LCSD 680-168840/21	Lab Control Sample Duplicate	T	Water	8260B	
MB 680-168840/24	Method Blank	T	Water	8260B	
680-57580-7FD	HER-FD01-051110	T	Water	8260B	
680-57580-9MSD	Matrix Spike Duplicate	T	Water	8260B	
Analysis Batch:680-168842					
LCS 680-168842/18	Lab Control Sample	T	Water	8260B	
LCSD 680-168842/19	Lab Control Sample Duplicate	T	Water	8260B	
MB 680-168842/21	Method Blank	T	Water	8260B	
680-57580-9MS	Matrix Spike	T	Water	8260B	
680-57580-14	HER-MW05-051110	T	Water	8260B	
680-57580-15	HER-MW12-051110	T	Water	8260B	
680-57580-16	HER-MW06-051110	T	Water	8260B	
680-57580-17TB	Trip Blank	T	Water	8260B	

Report Basis

T = Total

TestAmerica Savannah

Quality Control Results

Client: Ashland Inc.

Job Number: 680-57580-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
680-57580-1	HER-CMO5-051110	86	106	100
680-57580-2	HER-CMO4-051110	84	105	100
680-57580-3	HER-CMO3-051110	86	104	100
680-57580-4	HER-CMO2-051110	86	105	100
680-57580-5	HER-CMO1-051110	86	103	102
680-57580-6	HER-CMO0-051110	99	111	100
680-57580-7	HER-FD01-051110	88	108	99
680-57580-8	HER-RS01-051110	85	104	102
680-57580-9	HER-MW02-051110	86	105	102
680-57580-10	HER-MW03-051110	86	103	101
680-57580-11	HER-MW04-051110	87	104	101
680-57580-12	HER-MW10-051110	85	104	103
680-57580-13	HER-MW11-051110	86	104	102
680-57580-14	HER-MW05-051110	88	107	102
680-57580-15	HER-MW12-051110	85	104	101
680-57580-16	HER-MW06-051110	87	104	102
680-57580-17	Trip Blank	87	105	99
MB 680-168654/19		90	109	103
MB 680-168785/9		100	113	100
MB 680-168840/24		88	108	100
LCS 680-168654/16		91	108	99
LCS 680-168785/6		103	111	98
LCS 680-168840/20		94	109	98
LCS 680-168842/18		89	102	96
LCSD 680-168654/17		95	106	101
LCSD 680-168785/7		101	110	95
LCSD 680-168840/21		93	110	98
LCSD 680-168842/19		89	105	95
680-57580-9 MS	HER-MW02-051110 MS	101	116	105

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene	75-120
DBFM = Dibromofluoromethane	75-121
TOL = Toluene-d8 (Surr)	75-120

Quality Control Results

Client: Ashland Inc.

Job Number: 680-57580-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
680-57580-9 MSD	HER-MW02-051110 MSD	95	121	107

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene	75-120
DBFM = Dibromofluoromethane	75-121
TOL = Toluene-d8 (Surr)	75-120

Quality Control Results

Client: Ashland Inc.

Job Number: 680-57580-1

Method Blank - Batch: 680-168654

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-168654/19

Analysis Batch: 680-168654

Instrument ID: MSO

Client Matrix: Water

Prep Batch: N/A

Lab File ID: oq345.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 05/14/2010 1215

Final Weight/Volume: 5 mL

Date Prepared: 05/14/2010 1215

Analyte	Result	Qual	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

Quality Control Results

Client: Ashland Inc.

Job Number: 680-57580-1

Method Blank - Batch: 680-168654

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-168654/19

Analysis Batch: 680-168654

Instrument ID: MSO

Client Matrix: Water

Prep Batch: N/A

Lab File ID: oq345.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 05/14/2010 1215

Final Weight/Volume: 5 mL

Date Prepared: 05/14/2010 1215

Analyte	Result	Qual	RL
1,1,1,2-Tetrachloroethane	<1.0		1.0
1,1,2,2-Tetrachloroethane	<1.0		1.0
Tetrachloroethene	<1.0		1.0
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	Acceptance Limits	
4-Bromofluorobenzene	90	75 - 120	
Dibromofluoromethane	109	75 - 121	
Toluene-d8 (Surr)	103	75 - 120	

Quality Control Results

Client: Ashland Inc.

Job Number: 680-57580-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-168654**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 680-168654/16
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/14/2010 1020
Date Prepared: 05/14/2010 1020

Analysis Batch: 680-168654
Prep Batch: N/A
Units: ug/L

Instrument ID: MSO
Lab File ID: oq337.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-168654/17
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/14/2010 1049
Date Prepared: 05/14/2010 1049

Analysis Batch: 680-168654
Prep Batch: N/A
Units: ug/L

Instrument ID: MSO
Lab File ID: oq339.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Acetone	102	94	17 - 175	7	50		
Benzene	97	99	77 - 119	2	30		
Dichlorobromomethane	88	91	78 - 127	4	30		
Bromoform	77	80	62 - 133	4	30		
Bromomethane	84	84	12 - 184	0	50		
2-Butanone (MEK)	93	90	33 - 157	3	30		
Carbon disulfide	106	104	55 - 131	2	30		
Carbon tetrachloride	77	78	71 - 135	0	30		
Chlorobenzene	95	100	85 - 116	5	30		
Chloroethane	111	92	40 - 165	18	50		
Chloroform	108	108	82 - 120	0	30		
Chloromethane	78	78	48 - 142	0	50		
Chlorodibromomethane	79	83	75 - 133	5	30		
1,2-Dibromo-3-Chloropropane	79	84	49 - 140	5	30		
Ethylene Dibromide	86	89	80 - 121	3	30		
Dibromomethane	85	89	78 - 119	5	30		
Dichlorodifluoromethane	56	56	34 - 154	1	30		
1,1-Dichloroethane	108	110	74 - 127	2	30		
1,2-Dichloroethane	83	85	66 - 132	2	30		
cis-1,2-Dichloroethene	98	99	69 - 134	1	30		
trans-1,2-Dichloroethene	105	105	72 - 131	0	30		
1,1-Dichloroethene	107	107	62 - 141	1	30		
1,2-Dichloropropane	100	97	73 - 124	2	30		
cis-1,3-Dichloropropene	85	90	76 - 126	5	30		
trans-1,3-Dichloropropene	81	84	73 - 128	4	30		
Ethylbenzene	100	104	86 - 116	4	30		
2-Hexanone	85	92	34 - 161	7	30		
Methylene Chloride	108	107	70 - 125	0	30		
4-Methyl-2-pentanone (MIBK)	84	86	40 - 151	2	30		
Styrene	97	102	82 - 122	5	30		
1,1,1,2-Tetrachloroethane	88	92	81 - 128	5	30		
1,1,2,2-Tetrachloroethane	83	87	69 - 129	4	30		
Tetrachloroethene	90	93	76 - 126	3	30		

Quality Control Results

Client: Ashland Inc.

Job Number: 680-57580-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-168654**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 680-168654/16
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/14/2010 1020
Date Prepared: 05/14/2010 1020

Analysis Batch: 680-168654
Prep Batch: N/A
Units: ug/L

Instrument ID: MSO
Lab File ID: oq337.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-168654/17
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/14/2010 1049
Date Prepared: 05/14/2010 1049

Analysis Batch: 680-168654
Prep Batch: N/A
Units: ug/L

Instrument ID: MSO
Lab File ID: oq339.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Toluene	98	101	81 - 117	4	30		
1,1,1-Trichloroethane	89	90	76 - 127	2	30		
1,1,2-Trichloroethane	89	91	75 - 121	3	30		
Trichloroethene	94	96	84 - 115	2	30		
Trichlorofluoromethane	91	89	58 - 149	3	50		
1,2,3-Trichloropropane	90	94	70 - 130	4	30		
Vinyl acetate	92	96	10 - 217	4	30		
Vinyl chloride	82	80	59 - 144	2	50		
Xylenes, Total	98	102	84 - 118	3	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	91	95	75 - 120
Dibromofluoromethane	108	106	75 - 121
Toluene-d8 (Surr)	99	101	75 - 120

Quality Control Results

Client: Ashland Inc.

Job Number: 680-57580-1

Method Blank - Batch: 680-168785

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-168785/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/17/2010 1121
Date Prepared: 05/17/2010 1121

Analysis Batch: 680-168785
Prep Batch: N/A
Units: ug/L

Instrument ID: MSO2
Lab File ID: oq392.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	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

Quality Control Results

Client: Ashland Inc.

Job Number: 680-57580-1

Method Blank - Batch: 680-168785

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-168785/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/17/2010 1121
Date Prepared: 05/17/2010 1121

Analysis Batch: 680-168785
Prep Batch: N/A
Units: ug/L

Instrument ID: MS02
Lab File ID: oq392.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
1,1,1,2-Tetrachloroethane	<1.0		1.0
1,1,2,2-Tetrachloroethane	<1.0		1.0
Tetrachloroethene	<1.0		1.0
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	Acceptance Limits
4-Bromofluorobenzene	100	75 - 120
Dibromofluoromethane	113	75 - 121
Toluene-d8 (Surr)	100	75 - 120

Quality Control Results

Client: Ashland Inc.

Job Number: 680-57580-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-168785**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 680-168785/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/17/2010 0927
Date Prepared: 05/17/2010 0927

Analysis Batch: 680-168785
Prep Batch: N/A
Units: ug/L

Instrument ID: MSO2
Lab File ID: oq384.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-168785/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/17/2010 0955
Date Prepared: 05/17/2010 0955

Analysis Batch: 680-168785
Prep Batch: N/A
Units: ug/L

Instrument ID: MSO2
Lab File ID: oq386.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Acetone	96	97	17 - 175	1	50		
Benzene	98	95	77 - 119	3	30		
Dichlorobromomethane	92	90	78 - 127	3	30		
Bromoform	81	80	62 - 133	1	30		
Bromomethane	53	59	12 - 184	10	50		
2-Butanone (MEK)	98	102	33 - 157	4	30		
Carbon disulfide	112	110	55 - 131	2	30		
Carbon tetrachloride	81	79	71 - 135	3	30		
Chlorobenzene	100	100	85 - 116	0	30		
Chloroethane	89	85	40 - 165	4	50		
Chloroform	107	105	82 - 120	2	30		
Chloromethane	92	91	48 - 142	0	50		
Chlorodibromomethane	95	93	75 - 133	2	30		
1,2-Dibromo-3-Chloropropane	82	85	49 - 140	4	30		
Ethylene Dibromide	87	88	80 - 121	2	30		
Dibromomethane	86	87	78 - 119	1	30		
Dichlorodifluoromethane	101	97	34 - 154	4	30		
1,1-Dichloroethane	108	107	74 - 127	1	30		
1,2-Dichloroethane	84	83	66 - 132	1	30		
cis-1,2-Dichloroethene	108	108	69 - 134	0	30		
trans-1,2-Dichloroethene	108	105	72 - 131	3	30		
1,1-Dichloroethene	107	105	62 - 141	2	30		
1,2-Dichloropropane	100	97	73 - 124	3	30		
cis-1,3-Dichloropropene	93	92	76 - 126	1	30		
trans-1,3-Dichloropropene	87	84	73 - 128	3	30		
Ethylbenzene	100	97	86 - 116	4	30		
2-Hexanone	84	85	34 - 161	1	30		
Methylene Chloride	109	109	70 - 125	1	30		
4-Methyl-2-pentanone (MIBK)	77	78	40 - 151	1	30		
Styrene	100	99	82 - 122	1	30		
1,1,1,2-Tetrachloroethane	91	90	81 - 128	1	30		
1,1,2,2-Tetrachloroethane	82	83	69 - 129	1	30		
Tetrachloroethene	101	98	76 - 126	3	30		

Quality Control Results

Client: Ashland Inc.

Job Number: 680-57580-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-168785**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 680-168785/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/17/2010 0927
Date Prepared: 05/17/2010 0927

Analysis Batch: 680-168785
Prep Batch: N/A
Units: ug/L

Instrument ID: MSO2
Lab File ID: oq384.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-168785/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/17/2010 0955
Date Prepared: 05/17/2010 0955

Analysis Batch: 680-168785
Prep Batch: N/A
Units: ug/L

Instrument ID: MSO2
Lab File ID: oq386.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Toluene	97	94	81 - 117	3	30		
1,1,1-Trichloroethane	89	87	76 - 127	3	30		
1,1,2-Trichloroethane	88	87	75 - 121	1	30		
Trichloroethene	97	93	84 - 115	4	30		
Trichlorofluoromethane	87	84	58 - 149	4	50		
1,2,3-Trichloropropane	92	93	70 - 130	1	30		
Vinyl acetate	94	94	10 - 217	1	30		
Vinyl chloride	91	89	59 - 144	2	50		
Xylenes, Total	100	98	84 - 118	2	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	103		101		75 - 120		
Dibromofluoromethane	111		110		75 - 121		
Toluene-d8 (Surr)	98		95		75 - 120		

Quality Control Results

Client: Ashland Inc.

Job Number: 680-57580-1

Method Blank - Batch: 680-168840

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-168840/24
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/16/2010 1248
Date Prepared: 05/16/2010 1248

Analysis Batch: 680-168840
Prep Batch: N/A
Units: ug/L

Instrument ID: MSO
Lab File ID: oq377.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	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

Quality Control Results

Client: Ashland Inc.

Job Number: 680-57580-1

Method Blank - Batch: 680-168840

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-168840/24
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/16/2010 1248
Date Prepared: 05/16/2010 1248

Analysis Batch: 680-168840
Prep Batch: N/A
Units: ug/L

Instrument ID: MSO
Lab File ID: oq377.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
1,1,1,2-Tetrachloroethane	<1.0		1.0
1,1,2,2-Tetrachloroethane	<1.0		1.0
Tetrachloroethene	<1.0		1.0
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	Acceptance Limits
4-Bromofluorobenzene	88	75 - 120
Dibromofluoromethane	108	75 - 121
Toluene-d8 (Surr)	100	75 - 120

Quality Control Results

Client: Ashland Inc.

Job Number: 680-57580-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-168840**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 680-168840/20
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/16/2010 1054
Date Prepared: 05/16/2010 1054

Analysis Batch: 680-168840
Prep Batch: N/A
Units: ug/L

Instrument ID: MSO
Lab File ID: oq369.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-168840/21
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/16/2010 1122
Date Prepared: 05/16/2010 1122

Analysis Batch: 680-168840
Prep Batch: N/A
Units: ug/L

Instrument ID: MSO
Lab File ID: oq371.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Acetone	109	109	17 - 175	0	50		
Benzene	99	98	77 - 119	1	30		
Dichlorobromomethane	92	90	78 - 127	3	30		
Bromoform	83	84	62 - 133	2	30		
Bromomethane	91	97	12 - 184	6	50		
2-Butanone (MEK)	95	95	33 - 157	0	30		
Carbon disulfide	114	115	55 - 131	1	30		
Carbon tetrachloride	79	79	71 - 135	1	30		
Chlorobenzene	98	98	85 - 116	0	30		
Chloroethane	119	116	40 - 165	3	50		
Chloroform	108	110	82 - 120	2	30		
Chloromethane	103	108	48 - 142	4	50		
Chlorodibromomethane	84	85	75 - 133	1	30		
1,2-Dibromo-3-Chloropropane	83	88	49 - 140	6	30		
Ethylene Dibromide	90	90	80 - 121	1	30		
Dibromomethane	91	89	78 - 119	2	30		
Dichlorodifluoromethane	116	115	34 - 154	1	30		
1,1-Dichloroethane	109	112	74 - 127	3	30		
1,2-Dichloroethane	87	84	66 - 132	4	30		
cis-1,2-Dichloroethene	98	101	69 - 134	3	30		
trans-1,2-Dichloroethene	106	109	72 - 131	3	30		
1,1-Dichloroethene	113	115	62 - 141	2	30		
1,2-Dichloropropane	98	98	73 - 124	0	30		
cis-1,3-Dichloropropene	90	87	76 - 126	3	30		
trans-1,3-Dichloropropene	83	82	73 - 128	2	30		
Ethylbenzene	99	101	86 - 116	1	30		
2-Hexanone	91	92	34 - 161	1	30		
Methylene Chloride	112	111	70 - 125	1	30		
4-Methyl-2-pentanone (MIBK)	87	87	40 - 151	0	30		
Styrene	100	99	82 - 122	1	30		
1,1,1,2-Tetrachloroethane	91	91	81 - 128	0	30		
1,1,2,2-Tetrachloroethane	89	88	69 - 129	1	30		
Tetrachloroethene	92	94	76 - 126	2	30		

Quality Control Results

Client: Ashland Inc.

Job Number: 680-57580-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-168840**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 680-168840/20
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/16/2010 1054
Date Prepared: 05/16/2010 1054

Analysis Batch: 680-168840
Prep Batch: N/A
Units: ug/L

Instrument ID: MSO
Lab File ID: oq369.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-168840/21
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/16/2010 1122
Date Prepared: 05/16/2010 1122

Analysis Batch: 680-168840
Prep Batch: N/A
Units: ug/L

Instrument ID: MSO
Lab File ID: oq371.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Toluene	99	98	81 - 117	1	30		
1,1,1-Trichloroethane	92	91	76 - 127	1	30		
1,1,2-Trichloroethane	92	89	75 - 121	2	30		
Trichloroethene	96	97	84 - 115	1	30		
Trichlorofluoromethane	98	98	58 - 149	1	50		
1,2,3-Trichloropropane	95	98	70 - 130	3	30		
Vinyl acetate	96	96	10 - 217	0	30		
Vinyl chloride	98	99	59 - 144	1	50		
Xylenes, Total	100	100	84 - 118	0	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	94		93		75 - 120		
Dibromofluoromethane	109		110		75 - 121		
Toluene-d8 (Surr)	98		98		75 - 120		

Quality Control Results

Client: Ashland Inc.

Job Number: 680-57580-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-168840**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 680-57580-9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/15/2010 2326
Date Prepared: 05/15/2010 2326

Analysis Batch: 680-168842
Prep Batch: N/A

Instrument ID: MSO
Lab File ID: o0653.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 680-57580-9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/16/2010 2055
Date Prepared: 05/16/2010 2055

Analysis Batch: 680-168840
Prep Batch: N/A

Instrument ID: MSO
Lab File ID: o0689.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Acetone	87	113	17 - 175	23	50		
Benzene	93	108	77 - 119	15	30		
Dichlorobromomethane	98	97	78 - 127	1	30		
Bromoform	83	83	62 - 133	0	30		
Bromomethane	75	120	12 - 184	46	50		
2-Butanone (MEK)	80	94	33 - 157	16	30		
Carbon disulfide	94	122	55 - 131	26	30		
Carbon tetrachloride	73	89	71 - 135	19	30		
Chlorobenzene	104	101	85 - 116	3	30		
Chloroethane	96	140	40 - 165	37	50		
Chloroform	114	124	82 - 120	8	30		F
Chloromethane	79	128	48 - 142	47	50		
Chlorodibromomethane	86	85	75 - 133	2	30		
1,2-Dibromo-3-Chloropropane	87	83	49 - 140	5	30		
Ethylene Dibromide	94	92	80 - 121	2	30		
Dibromomethane	91	94	78 - 119	3	30		
Dichlorodifluoromethane	79	158	34 - 154	66	30		F
1,1-Dichloroethane	104	128	74 - 127	21	30		F
1,2-Dichloroethane	83	89	66 - 132	7	30		
cis-1,2-Dichloroethene	96	115	69 - 134	19	30		
trans-1,2-Dichloroethene	98	126	72 - 131	25	30		
1,1-Dichloroethene	95	136	62 - 141	35	30		F
1,2-Dichloropropane	102	105	73 - 124	2	30		
cis-1,3-Dichloropropene	89	90	76 - 126	1	30		
trans-1,3-Dichloropropene	85	84	73 - 128	2	30		
Ethylbenzene	111	105	86 - 116	5	30		
2-Hexanone	91	85	34 - 161	7	30		
Methylene Chloride	98	128	70 - 125	26	30		F
4-Methyl-2-pentanone (MIBK)	91	85	40 - 151	6	30		
Styrene	109	102	82 - 122	6	30		

Quality Control Results

Client: Ashland Inc.

Job Number: 680-57580-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-168840**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 680-57580-9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/15/2010 2326
Date Prepared: 05/15/2010 2326

Analysis Batch: 680-168842
Prep Batch: N/A

Instrument ID: MSO
Lab File ID: o0653.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 680-57580-9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/16/2010 2055
Date Prepared: 05/16/2010 2055

Analysis Batch: 680-168840
Prep Batch: N/A

Instrument ID: MSO
Lab File ID: o0689.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1,1,2-Tetrachloroethane	97	96	81 - 128	2	30		
1,1,2,2-Tetrachloroethane	90	89	69 - 129	2	30		
Tetrachloroethene	94	96	76 - 126	2	30		
Toluene	104	109	81 - 117	5	30		
1,1,1-Trichloroethane	86	100	76 - 127	15	30		
1,1,2-Trichloroethane	100	95	75 - 121	5	30		
Trichloroethene	95	106	84 - 115	11	30		
Trichlorofluoromethane	83	116	58 - 149	33	50		
1,2,3-Trichloropropane	98	96	70 - 130	2	30		
Vinyl acetate	91	147	10 - 217	47	30		F
Vinyl chloride	77	115	59 - 144	39	50		
Xylenes, Total	108	103	84 - 118	5	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	101	95	75 - 120
Dibromofluoromethane	116	121	75 - 121
Toluene-d8 (Surr)	105	107	75 - 120

Quality Control Results

Client: Ashland Inc.

Job Number: 680-57580-1

Method Blank - Batch: 680-168842

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-168842/21
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 05/15/2010 1548
 Date Prepared: 05/15/2010 1548

Analysis Batch: 680-168842
 Prep Batch: N/A
 Units: ug/L

Instrument ID: MSO
 Lab File ID: oq363.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	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

Quality Control Results

Client: Ashland Inc.

Job Number: 680-57580-1

Method Blank - Batch: 680-168842

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-168842/21

Analysis Batch: 680-168842

Instrument ID: MSO

Client Matrix: Water

Prep Batch: N/A

Lab File ID: oq363.d

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 5 mL

Date Analyzed: 05/15/2010 1548

Final Weight/Volume: 5 mL

Date Prepared: 05/15/2010 1548

Analyte	Result	Qual	RL
1,1,1,2-Tetrachloroethane	<1.0		1.0
1,1,2,2-Tetrachloroethane	<1.0		1.0
Tetrachloroethene	<1.0		1.0
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

Acceptance Limits

4-Bromofluorobenzene

Dibromofluoromethane

Toluene-d8 (Surr)

Quality Control Results

Client: Ashland Inc.

Job Number: 680-57580-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-168842**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 680-168842/18
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/15/2010 1354
Date Prepared: 05/15/2010 1354

Analysis Batch: 680-168842
Prep Batch: N/A
Units: ug/L

Instrument ID: MSO
Lab File ID: oq353.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-168842/19
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/15/2010 1423
Date Prepared: 05/15/2010 1423

Analysis Batch: 680-168842
Prep Batch: N/A
Units: ug/L

Instrument ID: MSO
Lab File ID: oq355.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Acetone	97	107	17 - 175	9	50		
Benzene	97	96	77 - 119	1	30		
Dichlorobromomethane	87	86	78 - 127	1	30		
Bromoform	78	77	62 - 133	2	30		
Bromomethane	92	102	12 - 184	10	50		
2-Butanone (MEK)	90	88	33 - 157	2	30		
Carbon disulfide	109	113	55 - 131	3	30		
Carbon tetrachloride	75	75	71 - 135	1	30		
Chlorobenzene	93	94	85 - 116	1	30		
Chloroethane	121	125	40 - 165	3	50		
Chloroform	104	105	82 - 120	1	30		
Chloromethane	105	106	48 - 142	0	50		
Chlorodibromomethane	79	79	75 - 133	0	30		
1,2-Dibromo-3-Chloropropane	78	75	49 - 140	4	30		
Ethylene Dibromide	86	84	80 - 121	3	30		
Dibromomethane	86	86	78 - 119	0	30		
Dichlorodifluoromethane	113	117	34 - 154	4	30		
1,1-Dichloroethane	106	108	74 - 127	2	30		
1,2-Dichloroethane	83	81	66 - 132	3	30		
cis-1,2-Dichloroethene	94	97	69 - 134	4	30		
trans-1,2-Dichloroethene	104	106	72 - 131	1	30		
1,1-Dichloroethene	107	112	62 - 141	4	30		
1,2-Dichloropropane	97	96	73 - 124	2	30		
cis-1,3-Dichloropropene	85	84	76 - 126	1	30		
trans-1,3-Dichloropropene	80	79	73 - 128	1	30		
Ethylbenzene	98	98	86 - 116	0	30		
2-Hexanone	88	85	34 - 161	4	30		
Methylene Chloride	106	109	70 - 125	3	30		
4-Methyl-2-pentanone (MIBK)	83	81	40 - 151	2	30		
Styrene	96	96	82 - 122	1	30		
1,1,1,2-Tetrachloroethane	86	86	81 - 128	0	30		
1,1,2,2-Tetrachloroethane	87	84	69 - 129	4	30		
Tetrachloroethene	89	88	76 - 126	1	30		

Quality Control Results

Client: Ashland Inc.

Job Number: 680-57580-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-168842**

**Method: 8260B
Preparation: 5030B**

LCS Lab Sample ID: LCS 680-168842/18
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/15/2010 1354
Date Prepared: 05/15/2010 1354

Analysis Batch: 680-168842
Prep Batch: N/A
Units: ug/L

Instrument ID: MSO
Lab File ID: oq353.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-168842/19
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/15/2010 1423
Date Prepared: 05/15/2010 1423

Analysis Batch: 680-168842
Prep Batch: N/A
Units: ug/L

Instrument ID: MSO
Lab File ID: oq355.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Toluene	96	96	81 - 117	0	30		
1,1,1-Trichloroethane	88	88	76 - 127	1	30		
1,1,2-Trichloroethane	89	86	75 - 121	3	30		
Trichloroethene	92	92	84 - 115	0	30		
Trichlorofluoromethane	100	100	58 - 149	0	50		
1,2,3-Trichloropropane	90	90	70 - 130	0	30		
Vinyl acetate	91	92	10 - 217	1	30		
Vinyl chloride	99	101	59 - 144	2	50		
Xylenes, Total	96	97	84 - 118	0	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	89		89		75 - 120		
Dibromofluoromethane	102		105		75 - 121		
Toluene-d8 (Surr)	96		95		75 - 120		

Serial Number 020159

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

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

THE LEADER IN ENVIRONMENTAL TESTING

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE		PROJECT NO.	PROJECT LOCATION (STATE)	MATRIX TYPE	REQUIRED ANALYSIS		PAGE 1	2 OF 2
Ashland (Ergo Hercules)			MS				STANDARD REPORT DELIVERY	☒
TAL (LAB) PROJECT MANAGER		P.O. NUMBER	CONTRACT NO.				DATE DUE	
Lidia Gonzalez		CLIENT PHONE	CLIENT FAX				EXPEDITED REPORT DELIVERY (SURCHARGE)	☐
CLIENT (SITE) PM		302-995-3456					DATE DUE	
CLIENT NAME		CLIENT E-MAIL					NUMBER OF COOLERS SUBMITTED PER SHIPMENT	
Ashland Chemical								
CLIENT ADDRESS		Hercules Research Center 500 Hercules Rd						
Wilmington, DE 19808								
COMPANY CONTRACTING THIS WORK (if applicable)								
SAMPLE		SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED		REMARKS		
DATE	TIME	DATE	TIME					
5-11-10	0859	HER-CM05-051110		3				
5-11-10	0915	HER-CM04-051110		3				
5-11-10	0928	HER-CM03-051110		3				
5-11-10	0940	HER-CM02-051110		3				
5-11-10	0950	HER-CM01-051110		3				
5-11-10	1000	HER-CM00-051110		3				
5-11-10	N/A	HER-FDAI-051110		3				
5-11-10	1253	HER-RS01-051110		3				
5-11-10	1119	HER-MW02-051110 (MS & MSD)		3		*MS/MSD Quotas		
5-11-10	1142	HER-MW03-051110		3				
5-11-10	1350	HER-MW04-051110		3				
5-11-10	1340	HER-MW10-051110		3				
RELINQUISHED BY: (SIGNATURE)		DATE		TIME		RELINQUISHED BY: (SIGNATURE)		DATE
<i>[Signature]</i>		5-11-10		1800				
RECEIVED BY: (SIGNATURE)		DATE		TIME		RECEIVED BY: (SIGNATURE)		DATE
<i>[Signature]</i>		5-11-10		0921				

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES NO	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
<i>[Signature]</i>	5/11/10	0921	YES ☐ NO ☐	0	51580	Temp 1.9

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

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

[illegible]

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE) Bryan Doughty	DATE 5/12/10	TIME 0921	CUSTODY INTACT YES ☒ NO ☐	CUSTODY SEAL NO.	SAVANNAH LOG NO. 680-57580	LABORATORY REMARKS Temp 19
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Login Sample Receipt Check List

Client: Ashland Inc.

Job Number: 680-57580-1

Login Number: 57580

Creator: Daughtry, Beth

List Number: 1

List Source: TestAmerica Savannah

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.9 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

ANALYTICAL REPORT

Job Number: 680-57679-1

Job Description: Hercules Hattiesburg GW MAY 2010

For:
Ashland Inc.
500 Hercules Road
Wilmington, DE 19894
Attention: Timothy Hassett



Approved for release
Lidya Gulizia
Project Manager I
5/27/2010 6:41 PM

Lidya Gulizia
Project Manager I
lidya.gulizia@testamericainc.com
05/27/2010

cc: Caleb Dana
Mr. Charlie Jordan
Mr. Chris Waters

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LA000244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

TestAmerica Laboratories, Inc.

TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404
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Job Narrative
680-57679-1

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 5 analytes to recover outside criteria for this method when a full list spike is utilized. The MS/MSD associated with batch 168787 had 5 analytes outside control limits. The associated laboratory control sample (LCS) met all criteria; therefore, re-extraction/re-analysis was not performed.

Method(s) 8260B: Surrogate recovery for the following sample was outside control limits: HER-MW20-051210 (680-57679-6 MSD). Recovery was within control limits in both the MS and the native sample.

No other analytical or quality issues were noted.

Comments

No additional comments.

METHOD SUMMARY

Client: Ashland Inc.

Job Number: 680-57679-1

Description		Lab Location	Method	Preparation Method
Matrix	Water			
Volatile Organic Compounds (GC/MS)		TAL SAV	SW846 8260B	
Purge and Trap		TAL SAV		SW846 5030B

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: 680-57679-1

Method	Analyst	Analyst ID
SW846 8260B	Bearden, Robert	RB

SAMPLE SUMMARY

Client: Ashland Inc.

Job Number: 680-57679-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-57679-1	HER-MW19-051210	Water	05/12/2010 1035	05/14/2010 0922
680-57679-2	HER-MW24-051210	Water	05/12/2010 1057	05/14/2010 0922
680-57679-3RB	HER-RS02-051210	Water	05/12/2010 0950	05/14/2010 0922
680-57679-4FD	HER-FD02-051210	Water	05/12/2010 0000	05/14/2010 0922
680-57679-5	HER-MW23-051210	Water	05/12/2010 1202	05/14/2010 0922
680-57679-6	HER-MW20-051210	Water	05/12/2010 1210	05/14/2010 0922
680-57679-6MS	HER-MW20-051210	Water	05/12/2010 1210	05/14/2010 0922
680-57679-6MSD	HER-MW20-051210	Water	05/12/2010 1210	05/14/2010 0922
680-57679-7	HER-MW21-051210	Water	05/12/2010 1433	05/14/2010 0922
680-57679-8	HER-MW22-051210	Water	05/12/2010 1450	05/14/2010 0922
680-57679-9	HER-MW18-051210	Water	05/12/2010 1530	05/14/2010 0922
680-57679-10	HER-MW07-051210	Water	05/12/2010 1730	05/14/2010 0922
680-57679-11	HER-MW16-051210	Water	05/12/2010 1628	05/14/2010 0922
680-57679-12	HER-MW14-051210	Water	05/13/2010 1000	05/14/2010 0922
680-57679-13	HER-MW15-051210	Water	05/13/2010 1100	05/14/2010 0922
680-57679-14	HER-MW09-051210	Water	05/13/2010 1000	05/14/2010 0922
680-57679-15	HER-MW13-051210	Water	05/13/2010 1052	05/14/2010 0922
680-57679-16	HER-MW08-051210	Water	05/13/2010 1155	05/14/2010 0922
680-57679-17	HER-MW17-051210	Water	05/13/2010 1204	05/14/2010 0922
680-57679-18RB	HER-RS03-051210	Water	05/13/2010 0914	05/14/2010 0922
680-57679-19TB	Trip Blank	Water	05/13/2010 0000	05/14/2010 0922

SAMPLE RESULTS

Analytical Data

Client: Ashland Inc.

Job Number: 680-57679-1

Client Sample ID: HER-MW19-051210

Lab Sample ID: 680-57679-1

Date Sampled: 05/12/2010 1035

Client Matrix: Water

Date Received: 05/14/2010 0922

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch:	680-168772	Instrument ID:	MSO2
Preparation:	5030B			Lab File ID:	o0638.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	05/15/2010 1951			Final Weight/Volume:	5 mL
Date Prepared:	05/15/2010 1951				

Analyte	Result (ug/L)	Qualifier	RL
Acetone	<25		25
Acetonitrile	<40		40
Acrolein	<20		20
Acrylonitrile	<20		20
Benzene	52		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	3.2		1.0
Chlorobenzene	10		1.0
2-Chloro-1,3-butadiene	<1.0		1.0
Chloroethane	<1.0		1.0
Chloroform	3.6		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	1.4		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	1.9		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

Analytical Data

Client: Ashland Inc.

Job Number: 680-57679-1

Client Sample ID: HER-MW19-051210

Lab Sample ID: 680-57679-1

Date Sampled: 05/12/2010 1035

Client Matrix: Water

Date Received: 05/14/2010 0922

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-168772

Instrument ID:

MSO2

Preparation: 5030B

Lab File ID:

o0638.d

Dilution: 1.0

Initial Weight/Volume:

5 mL

Date Analyzed: 05/15/2010 1951

Final Weight/Volume:

5 mL

Date Prepared: 05/15/2010 1951

Analyte	Result (ug/L)	Qualifier	RL
Toluene	3.0		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	98		75 - 120
Dibromofluoromethane	107		75 - 121
Toluene-d8 (Surr)	101		75 - 120

Analytical Data

Client: Ashland Inc.

Job Number: 680-57679-1

Client Sample ID: HER-MW24-051210

Lab Sample ID: 680-57679-2

Date Sampled: 05/12/2010 1057

Client Matrix: Water

Date Received: 05/14/2010 0922

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-168772

Instrument ID:

MSO2

Preparation: 5030B

Lab File ID:

o0640.d

Dilution: 1.0

Initial Weight/Volume:

5 mL

Date Analyzed: 05/15/2010 2020

Final Weight/Volume:

5 mL

Date Prepared: 05/15/2010 2020

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

Analytical Data

Client: Ashland Inc.

Job Number: 680-57679-1

Client Sample ID: HER-MW24-051210

Lab Sample ID: 680-57679-2

Date Sampled: 05/12/2010 1057

Client Matrix: Water

Date Received: 05/14/2010 0922

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-168772

Instrument ID: MSO2

Preparation: 5030B

Lab File ID: o0640.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 05/15/2010 2020

Final Weight/Volume: 5 mL

Date Prepared: 05/15/2010 2020

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	98		75 - 120
Dibromofluoromethane	108		75 - 121
Toluene-d8 (Surr)	102		75 - 120

Analytical Data

Client: Ashland Inc.

Job Number: 680-57679-1

Client Sample ID: HER-RS02-051210

Lab Sample ID: 680-57679-3RB

Date Sampled: 05/12/2010 0950

Client Matrix: Water

Date Received: 05/14/2010 0922

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-168772

Instrument ID:

MS02

Preparation: 5030B

Lab File ID: o0642.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 05/15/2010 2049

Final Weight/Volume: 5 mL

Date Prepared: 05/15/2010 2049

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

Analytical Data

Client: Ashland Inc.

Job Number: 680-57679-1

Client Sample ID: HER-RS02-051210

Lab Sample ID: 680-57679-3RB

Date Sampled: 05/12/2010 0950

Client Matrix: Water

Date Received: 05/14/2010 0922

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-168772	Instrument ID:	MSO2
Preparation:	5030B		Lab File ID:	o0642.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	05/15/2010 2049		Final Weight/Volume:	5 mL
Date Prepared:	05/15/2010 2049			

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	98		75 - 120
Dibromofluoromethane	108		75 - 121
Toluene-d8 (Surr)	102		75 - 120

Analytical Data

Client: Ashland Inc.

Job Number: 680-57679-1

Client Sample ID: HER-FD02-051210

Lab Sample ID: 680-57679-4FD

Date Sampled: 05/12/2010 0000

Client Matrix: Water

Date Received: 05/14/2010 0922

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-168772	Instrument ID:	MSO2
Preparation:	5030B		Lab File ID:	o0644.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	05/15/2010 2117		Final Weight/Volume:	5 mL
Date Prepared:	05/15/2010 2117			

Analyte	Result (ug/L)	Qualifier	RL
Acetone	<25		25
Acetonitrile	<40		40
Acrolein	<20		20
Acrylonitrile	<20		20
Benzene	53		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	3.4		1.0
Chlorobenzene	11		1.0
2-Chloro-1,3-butadiene	<1.0		1.0
Chloroethane	<1.0		1.0
Chloroform	3.6		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	1.2		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	1.9		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

Analytical Data

Client: Ashland Inc.

Job Number: 680-57679-1

Client Sample ID: HER-FD02-051210

Lab Sample ID: 680-57679-4FD

Date Sampled: 05/12/2010 0000

Client Matrix: Water

Date Received: 05/14/2010 0922

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-168772	Instrument ID:	MSO2
Preparation:	5030B		Lab File ID:	o0644.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	05/15/2010 2117		Final Weight/Volume:	5 mL
Date Prepared:	05/15/2010 2117			

Analyte	Result (ug/L)	Qualifier	RL
Toluene	3.1		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	98		75 - 120
Dibromofluoromethane	109		75 - 121
Toluene-d8 (Surr)	102		75 - 120

Analytical Data

Client: Ashland Inc.

Job Number: 680-57679-1

Client Sample ID: HER-MW23-051210

Lab Sample ID: 680-57679-5

Client Matrix: Water

Date Sampled: 05/12/2010 1202

Date Received: 05/14/2010 0922

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-168840

Instrument ID: MSO

Preparation: 5030B

Lab File ID: o0679.d

Dilution: 100

Initial Weight/Volume: 5 mL

Date Analyzed: 05/16/2010 1832

Final Weight/Volume: 5 mL

Date Prepared: 05/16/2010 1832

Analyte	Result (ug/L)	Qualifier	RL
Acetone	<2500		2500
Acetonitrile	<4000		4000
Acrolein	<2000		2000
Acrylonitrile	<2000		2000
Benzene	10000		100
Dichlorobromomethane	<100		100
Bromoform	<100		100
Bromomethane	<100		100
2-Butanone (MEK)	<1000		1000
Carbon disulfide	<200		200
Carbon tetrachloride	<100		100
Chlorobenzene	180		100
2-Chloro-1,3-butadiene	<100		100
Chloroethane	<100		100
Chloroform	2000		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)	1000		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

Analytical Data

Client: Ashland Inc.

Job Number: 680-57679-1

Client Sample ID: HER-MW23-051210

Lab Sample ID: 680-57679-5

Date Sampled: 05/12/2010 1202

Client Matrix: Water

Date Received: 05/14/2010 0922

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-168840

Instrument ID:

MSO

Preparation: 5030B

Lab File ID:

o0679.d

Dilution: 100

Initial Weight/Volume:

5 mL

Date Analyzed: 05/16/2010 1832

Final Weight/Volume:

5 mL

Date Prepared: 05/16/2010 1832

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	91		75 - 120
Dibromofluoromethane	103		75 - 121
Toluene-d8 (Surr)	99		75 - 120

Analytical Data

Client: Ashland Inc.

Job Number: 680-57679-1

Client Sample ID: HER-MW20-051210

Lab Sample ID: 680-57679-6

Client Matrix: Water

Date Sampled: 05/12/2010 1210

Date Received: 05/14/2010 0922

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch:	680-168840	Instrument ID:	MSO
Preparation:	5030B			Lab File ID:	o0663.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	05/16/2010 1443			Final Weight/Volume:	5 mL
Date Prepared:	05/16/2010 1443				

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

Analytical Data

Client: Ashland Inc.

Job Number: 680-57679-1

Client Sample ID: HER-MW20-051210

Lab Sample ID: 680-57679-6

Date Sampled: 05/12/2010 1210

Client Matrix: Water

Date Received: 05/14/2010 0922

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-168840

Instrument ID: MSO

Preparation: 5030B

Lab File ID: o0663.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 05/16/2010 1443

Final Weight/Volume: 5 mL

Date Prepared: 05/16/2010 1443

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	89		75 - 120
Dibromofluoromethane	107		75 - 121
Toluene-d8 (Surr)	100		75 - 120

Analytical Data

Client: Ashland Inc.

Job Number: 680-57679-1

Client Sample ID: HER-MW21-051210

Lab Sample ID: 680-57679-7

Date Sampled: 05/12/2010 1433

Client Matrix: Water

Date Received: 05/14/2010 0922

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch:	680-168840	Instrument ID:	MSO
Preparation:	5030B			Lab File ID:	o0681.d
Dilution:	50			Initial Weight/Volume:	5 mL
Date Analyzed:	05/16/2010 1900			Final Weight/Volume:	5 mL
Date Prepared:	05/16/2010 1900				

Analyte	Result (ug/L)	Qualifier	RL
Acetone	<1200		1200
Acetonitrile	<2000		2000
Acrolein	<1000		1000
Acrylonitrile	<1000		1000
Benzene	3500		50
Dichlorobromomethane	<50		50
Bromoform	<50		50
Bromomethane	<50		50
2-Butanone (MEK)	<500		500
Carbon disulfide	2900		100
Carbon tetrachloride	280		50
Chlorobenzene	150		50
2-Chloro-1,3-butadiene	<50		50
Chloroethane	<50		50
Chloroform	7800		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)	<500		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

Analytical Data

Client: Ashland Inc.

Job Number: 680-57679-1

Client Sample ID: HER-MW21-051210

Lab Sample ID: 680-57679-7

Date Sampled: 05/12/2010 1433

Client Matrix: Water

Date Received: 05/14/2010 0922

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch:	680-168840	Instrument ID:	MSO
Preparation:	5030B			Lab File ID:	o0681.d
Dilution:	50			Initial Weight/Volume:	5 mL
Date Analyzed:	05/16/2010 1900			Final Weight/Volume:	5 mL
Date Prepared:	05/16/2010 1900				

Analyte	Result (ug/L)	Qualifier	RL
Toluene	4500		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	90		75 - 120
Dibromofluoromethane	104		75 - 121
Toluene-d8 (Surr)	100		75 - 120

Analytical Data

Client: Ashland Inc.

Job Number: 680-57679-1

Client Sample ID: HER-MW22-051210

Lab Sample ID: 680-57679-8

Client Matrix: Water

Date Sampled: 05/12/2010 1450

Date Received: 05/14/2010 0922

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-168840

Instrument ID: MSO

Preparation: 5030B

Lab File ID: o0665.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 05/16/2010 1511

Final Weight/Volume: 5 mL

Date Prepared: 05/16/2010 1511

Analyte	Result (ug/L)	Qualifier	RL
Acetone	<25		25
Acetonitrile	<40		40
Acrolein	<20		20
Acrylonitrile	<20		20
Benzene	6.6		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	4.9		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

Analytical Data

Client: Ashland Inc.

Job Number: 680-57679-1

Client Sample ID: HER-MW22-051210

Lab Sample ID: 680-57679-8

Date Sampled: 05/12/2010 1450

Client Matrix: Water

Date Received: 05/14/2010 0922

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-168840	Instrument ID:	MSO
Preparation:	5030B		Lab File ID:	o0665.d
Dilution:	1.0		Initial Weight/Volume:	5 mL
Date Analyzed:	05/16/2010 1511		Final Weight/Volume:	5 mL
Date Prepared:	05/16/2010 1511			

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	88		75 - 120
Dibromofluoromethane	109		75 - 121
Toluene-d8 (Surr)	99		75 - 120