

Analytical Data

Client: Hercules Inc.

Job Number: 680-47361-1

Client Sample ID: HER-FD02-051409

Lab Sample ID: 680-47361-29FD

Date Sampled: 05/14/2009 0000

Client Matrix: Water

Date Received: 05/16/2009 0945

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-138355

Instrument ID: GC/MS Volatiles - P

Preparation: 5030B

Lab File ID: p0657.d

Dilution: 25

Initial Weight/Volume: 5 mL

Date Analyzed: 05/20/2009 1448

Final Weight/Volume: 5 mL

Date Prepared: 05/20/2009 1448

Analyte	Result (ug/L)	Qualifier	RL
Acetone	<620		620
Acetonitrile	<1000		1000
Acrolein	<500		500
Acrylonitrile	<500		500
Benzene	1200		25
Dichlorobromomethane	<25		25
Bromoform	<25		25
Bromomethane	<25		25
2-Butanone (MEK)	<250		250
Carbon disulfide	<50		50
Carbon tetrachloride	3500		25
Chlorobenzene	26		25
Chloroethane	<25		25
Chloroform	320		25
Chloromethane	<25		25
2-Chloro-1,3-butadiene	<25		25
3-Chloro-1-propene	<25		25
Chlorodibromomethane	<25		25
1,2-Dibromo-3-Chloropropane	<25		25
Ethylene Dibromide	<25		25
Dibromomethane	<25		25
trans-1,4-Dichloro-2-butene	<50		50
Dichlorodifluoromethane	<25		25
1,1-Dichloroethane	<25		25
1,2-Dichloroethane	<25		25
1,1-Dichloroethene	<25		25
cis-1,2-Dichloroethene	<25		25
trans-1,2-Dichloroethene	<25		25
1,2-Dichloropropane	<25		25
cis-1,3-Dichloropropene	<25		25
trans-1,3-Dichloropropene	<25		25
Ethylbenzene	<25		25
Ethyl methacrylate	<25		25
2-Hexanone	<250		250
Iodomethane	<120		120
Isobutyl alcohol	<1000		1000
Methacrylonitrile	<500		500
Methylene Chloride	<120		120
Methyl methacrylate	<25		25
4-Methyl-2-pentanone (MIBK)	<250		250
Pentachloroethane	<120		120
Propionitrile	<500		500
Styrene	<25		25
1,1,1,2-Tetrachloroethane	<25		25

Analytical Data

Client: Hercules Inc.

Job Number: 680-47361-1

Client Sample ID: HER-FD02-051409

Lab Sample ID: 680-47361-29FD

Date Sampled: 05/14/2009 0000

Client Matrix: Water

Date Received: 05/16/2009 0945

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-138355

Instrument ID: GC/MS Volatiles - P

Preparation: 5030B

Lab File ID: p0657.d

Dilution: 25

Initial Weight/Volume: 5 mL

Date Analyzed: 05/20/2009 1448

Final Weight/Volume: 5 mL

Date Prepared: 05/20/2009 1448

Analyte	Result (ug/L)	Qualifier	RL
1,1,2,2-Tetrachloroethane	<25		25
Tetrachloroethene	<25		25
Toluene	<25		25
1,1,1-Trichloroethane	<25		25
1,1,2-Trichloroethane	<25		25
Trichloroethene	<25		25
Trichlorofluoromethane	<25		25
1,2,3-Trichloropropane	<25		25
Vinyl acetate	<50		50
Vinyl chloride	<25		25
Xylenes, Total	<50		50
Surrogate			
	%Rec		Acceptance Limits
4-Bromofluorobenzene	85		75 - 120
Dibromofluoromethane	100		75 - 121
Toluene-d8 (Surr)	103		75 - 120

Analytical Data

Client: Hercules Inc.

Job Number: 680-47361-1

Client Sample ID: HER-RB04-051509

Lab Sample ID: 680-47361-30RB

Date Sampled: 05/15/2009 0754

Client Matrix: Water

Date Received: 05/16/2009 0945

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 680-138373	Instrument ID: GC/MS Volatiles - P C2
Preparation:	5030B		Lab File ID: p0658.d
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	05/20/2009 1503		Final Weight/Volume: 5 mL
Date Prepared:	05/20/2009 1503		

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

Analytical Data

Client: Hercules Inc.

Job Number: 680-47361-1

Client Sample ID: HER-RB04-051509

Lab Sample ID: 680-47361-30RB

Date Sampled: 05/15/2009 0754

Client Matrix: Water

Date Received: 05/16/2009 0945

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-138373

Instrument ID: GC/MS Volatiles - P C2

Preparation: 5030B

Lab File ID: p0658.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 05/20/2009 1503

Final Weight/Volume: 5 mL

Date Prepared: 05/20/2009 1503

Analyte	Result (ug/L)	Qualifier	RL
1,1,2,2-Tetrachloroethane	<1.0		1.0
Tetrachloroethene	<1.0		1.0
Toluene	1.4		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	95		75 - 120
Dibromofluoromethane	105		75 - 121
Toluene-d8 (Surr)	119		75 - 120

Analytical Data

Client: Hercules Inc.

Job Number: 680-47361-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 680-47361-31TB

Date Sampled: 05/12/2009 0000

Client Matrix: Water

Date Received: 05/16/2009 0945

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 680-138355

Instrument ID: GC/MS Volatiles - P

Preparation: 5030B

Lab File ID: p0649.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 05/20/2009 1251

Final Weight/Volume: 5 mL

Date Prepared: 05/20/2009 1251

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

Analytical Data

Client: Hercules Inc.

Job Number: 680-47361-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 680-47361-31TB

Date Sampled: 05/12/2009 0000

Client Matrix: Water

Date Received: 05/16/2009 0945

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch:	680-138355	Instrument ID:	GC/MS Volatiles - P
Preparation:	5030B			Lab File ID:	p0649.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	05/20/2009 1251			Final Weight/Volume:	5 mL
Date Prepared:	05/20/2009 1251				

Analyte	Result (ug/L)	Qualifier	RL
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	101		75 - 121
Toluene-d8 (Surr)	105		75 - 120

DATA REPORTING QUALIFIERS

Client: Hercules Inc.

Job Number: 680-47361-1

<u>Lab Section</u>	<u>Qualifier</u>	<u>Description</u>
GC/MS VOA	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	E	Result exceeded calibration range, secondary dilution required.
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

QUALITY CONTROL RESULTS

Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:680-138202					
LCS 680-138202/8	Lab Control Sample	T	Water	8260B	
LCSD 680-138202/9	Lab Control Sample Duplicate	T	Water	8260B	
MB 680-138202/10	Method Blank	T	Water	8260B	
680-47361-1	HER-MW03-051309	T	Water	8260B	
680-47361-2RB	HER-RS1-051209	T	Water	8260B	
680-47361-4	HER-CMO4-051209	T	Water	8260B	
680-47361-5	HER-CMO3-051209	T	Water	8260B	
680-47361-6	HER-CMO2-051209	T	Water	8260B	
680-47361-16	HER-MW06-051309	T	Water	8260B	
680-47361-19	HER-MW07-051409	T	Water	8260B	
680-47361-19MS	Matrix Spike	T	Water	8260B	
680-47361-19MSD	Matrix Spike Duplicate	T	Water	8260B	
680-47361-21	HER-MW15-051409	T	Water	8260B	
680-47361-22	HER-MW14-051409	T	Water	8260B	
680-47361-26	HER-MW17-051509	T	Water	8260B	
Analysis Batch:680-138258					
LCS 680-138258/8	Lab Control Sample	T	Water	8260B	
LCSD 680-138258/9	Lab Control Sample Duplicate	T	Water	8260B	
MB 680-138258/4	Method Blank	T	Water	8260B	
680-47361-7	HER-CMO1-051209	T	Water	8260B	
680-47361-8	HER-CMO0-051209	T	Water	8260B	
680-47361-9	HER-MW02-051309	T	Water	8260B	
680-47361-9MS	Matrix Spike	T	Water	8260B	
680-47361-9MSD	Matrix Spike Duplicate	T	Water	8260B	
680-47361-10	HER-MW10-051309	T	Water	8260B	
680-47361-11	HER-MW04-051309	T	Water	8260B	
680-47361-12	HER-MW11-051309	T	Water	8260B	
680-47361-14	HER-MW05-051309	T	Water	8260B	
680-47361-15	HER-MW12-051309	T	Water	8260B	
680-47361-17	HER-MW18-051309	T	Water	8260B	
680-47361-18	HER-MW19-051409	T	Water	8260B	
680-47361-25	HER-MW08-051509	T	Water	8260B	
Analysis Batch:680-138355					
LCS 680-138355/5	Lab Control Sample	T	Water	8260B	
LCSD 680-138355/3	Lab Control Sample Duplicate	T	Water	8260B	
MB 680-138355/7	Method Blank	T	Water	8260B	
680-47361-3	HER-CMO5-051209	T	Water	8260B	
680-47361-23	HER-MW09-051509	T	Water	8260B	
680-47361-23MS	Matrix Spike	T	Water	8260B	
680-47361-23MSD	Matrix Spike Duplicate	T	Water	8260B	
680-47361-26DL	HER-MW17-051509	T	Water	8260B	
680-47361-29FD	HER-FD02-051409	T	Water	8260B	
680-47361-31TB	TRIP BLANK	T	Water	8260B	

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Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:680-138373					
LCS 680-138373/4	Lab Control Sample	T	Water	8260B	
LCSD 680-138373/6	Lab Control Sample Duplicate	T	Water	8260B	
MB 680-138373/5	Method Blank	T	Water	8260B	
680-47361-13FD	HER-FD01-051309	T	Water	8260B	
680-47361-20	HER-MW16-051409	T	Water	8260B	
680-47361-27RB	HER-RB02-051309	T	Water	8260B	
680-47361-28RB	HER-RB03-051409	T	Water	8260B	
680-47361-30RB	HER-RB04-051509	T	Water	8260B	
Analysis Batch:680-138505					
LCS 680-138505/6	Lab Control Sample	T	Water	8260B	
LCSD 680-138505/7	Lab Control Sample Duplicate	T	Water	8260B	
MB 680-138505/9	Method Blank	T	Water	8260B	
680-47361-24	HER-MW13-051409	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

Method Blank - Batch: 680-138202

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 680-138202/10
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/19/2009 1130
Date Prepared: 05/19/2009 1130

Analysis Batch: 680-138202
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq213.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
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

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

Method Blank - Batch: 680-138202

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

Lab Sample ID: MB 680-138202/10
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/19/2009 1130
Date Prepared: 05/19/2009 1130

Analysis Batch: 680-138202
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq213.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Propionitrile	<20		20
Styrene	<1.0		1.0
1,1,1,2-Tetrachloroethane	<1.0		1.0
1,1,1,2,2-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	85	75 - 120
Dibromofluoromethane	103	75 - 121
Toluene-d8 (Surr)	104	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-138202**

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

LCS Lab Sample ID: LCS 680-138202/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/19/2009 0927
Date Prepared: 05/19/2009 0927

Analysis Batch: 680-138202
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq205.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-138202/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/19/2009 1003
Date Prepared: 05/19/2009 1003

Analysis Batch: 680-138202
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq207.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Acetone	86	88	17 - 175	3	50		
Benzene	95	92	77 - 119	3	30		
Dichlorobromomethane	102	98	78 - 127	5	30		
Bromoform	110	103	62 - 133	7	30		
Bromomethane	74	69	12 - 184	7	50		
2-Butanone (MEK)	96	91	33 - 157	5	30		
Carbon disulfide	93	98	55 - 131	5	30		
Carbon tetrachloride	101	101	71 - 135	0	30		
Chlorobenzene	95	95	85 - 116	1	30		
Chloroethane	76	85	40 - 165	12	50		
Chloroform	92	94	82 - 120	2	30		
Chloromethane	93	88	48 - 142	6	50		
Chlorodibromomethane	110	107	75 - 133	3	30		
1,2-Dibromo-3-Chloropropane	100	89	49 - 140	12	30		
Ethylene Dibromide	93	87	80 - 121	7	30		
Dibromomethane	84	79	78 - 119	7	30		
Dichlorodifluoromethane	93	96	34 - 154	3	30		
1,1-Dichloroethane	68	70	74 - 127	4	30	*	*
1,2-Dichloroethane	101	94	66 - 132	7	30		
1,1-Dichloroethene	88	93	62 - 141	6	30		
cis-1,2-Dichloroethene	95	98	69 - 134	3	30		
trans-1,2-Dichloroethene	95	96	72 - 131	2	30		
1,2-Dichloropropane	101	99	73 - 124	2	30		
cis-1,3-Dichloropropene	108	104	76 - 126	3	30		
trans-1,3-Dichloropropene	113	106	73 - 128	7	30		
Ethylbenzene	96	95	86 - 116	1	30		
2-Hexanone	102	95	34 - 161	6	30		
Methylene Chloride	75	75	70 - 125	0	30		
4-Methyl-2-pentanone (MIBK)	98	89	40 - 151	9	30		
Styrene	105	102	82 - 122	2	30		
1,1,1,2-Tetrachloroethane	112	111	81 - 128	1	30		
1,1,2,2-Tetrachloroethane	90	84	69 - 129	6	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-138202**

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

LCS Lab Sample ID: LCS 680-138202/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/19/2009 0927
Date Prepared: 05/19/2009 0927

Analysis Batch: 680-138202
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq205.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-138202/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/19/2009 1003
Date Prepared: 05/19/2009 1003

Analysis Batch: 680-138202
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq207.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Tetrachloroethene	106	109	76 - 126	3	30		
Toluene	98	96	81 - 117	2	30		
1,1,1-Trichloroethane	85	84	76 - 127	1	30		
1,1,2-Trichloroethane	91	87	75 - 121	4	30		
Trichloroethene	100	99	84 - 115	1	30		
Trichlorofluoromethane	74	75	58 - 149	0	50		
1,2,3-Trichloropropane	94	87	70 - 130	8	30		
Vinyl acetate	104	99	10 - 217	4	30		
Vinyl chloride	85	86	59 - 144	1	50		
Xylenes, Total	98	97	84 - 118	1	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	101		98		75 - 120		
Dibromofluoromethane	98		100		75 - 121		
Toluene-d8 (Surr)	99		97		75 - 120		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-138202**

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

MS Lab Sample ID: 680-47361-19
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/19/2009 1918
Date Prepared: 05/19/2009 1918

Analysis Batch: 680-138202
Prep Batch: N/A

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0645.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 680-47361-19
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/19/2009 1947
Date Prepared: 05/19/2009 1947

Analysis Batch: 680-138202
Prep Batch: N/A

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0647.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Acetone	86	86	17 - 175	0	50		
Benzene	94	93	77 - 119	1	30		
Dichlorobromomethane	98	97	78 - 127	1	30		
Bromoform	102	98	62 - 133	5	30		
Bromomethane	63	74	12 - 184	17	50		
2-Butanone (MEK)	86	88	33 - 157	2	30		
Carbon disulfide	97	102	55 - 131	5	30		
Carbon tetrachloride	102	100	71 - 135	2	30		
Chlorobenzene	97	96	85 - 116	2	30		
Chloroethane	64	68	40 - 165	7	50		
Chloroform	94	98	82 - 120	4	30		
Chloromethane	99	93	48 - 142	6	50		
Chlorodibromomethane	103	101	75 - 133	2	30		
1,2-Dibromo-3-Chloropropane	92	88	49 - 140	5	30		
Ethylene Dibromide	87	87	80 - 121	1	30		
Dibromomethane	79	79	78 - 119	0	30		
Dichlorodifluoromethane	99	101	34 - 154	2	30		
1,1-Dichloroethane	71	73	74 - 127	2	30	F	F
1,2-Dichloroethane	96	94	66 - 132	2	30		
1,1-Dichloroethene	95	100	62 - 141	5	30		
cis-1,2-Dichloroethene	97	98	69 - 134	1	30		
trans-1,2-Dichloroethene	100	103	72 - 131	3	30		
1,2-Dichloropropane	98	97	73 - 124	1	30		
cis-1,3-Dichloropropene	99	99	76 - 126	1	30		
trans-1,3-Dichloropropene	102	103	73 - 128	1	30		
Ethylbenzene	98	96	86 - 116	2	30		
2-Hexanone	94	91	34 - 161	3	30		
Methylene Chloride	74	77	70 - 125	4	30		
4-Methyl-2-pentanone (MIBK)	89	88	40 - 151	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-138202**

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

MS Lab Sample ID: 680-47361-19
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/19/2009 1918
Date Prepared: 05/19/2009 1918

Analysis Batch: 680-138202
Prep Batch: N/A

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0645.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 680-47361-19
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/19/2009 1947
Date Prepared: 05/19/2009 1947

Analysis Batch: 680-138202
Prep Batch: N/A

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0647.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Styrene	103	100	82 - 122	3	30		
1,1,1,2-Tetrachloroethane	110	108	81 - 128	3	30		
1,1,2,2-Tetrachloroethane	85	82	69 - 129	3	30		
Tetrachloroethene	107	105	76 - 126	2	30		
Toluene	98	97	81 - 117	1	30		
1,1,1-Trichloroethane	88	86	76 - 127	2	30		
1,1,2-Trichloroethane	86	85	75 - 121	1	30		
Trichloroethene	102	99	84 - 115	3	30		
Trichlorofluoromethane	74	71	58 - 149	3	50		
1,2,3-Trichloropropane	90	85	70 - 130	5	30		
Vinyl acetate	88	89	10 - 217	1	30		
Vinyl chloride	88	86	59 - 144	2	50		
Xylenes, Total	100	97	84 - 118	3	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	103	98	75 - 120
Dibromofluoromethane	100	101	75 - 121
Toluene-d8 (Surr)	99	98	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

Method Blank - Batch: 680-138258

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-138258/4
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 05/19/2009 1145
 Date Prepared: 05/19/2009 1145

Analysis Batch: 680-138258
 Prep Batch: N/A
 Units: ug/L

Instrument ID: GC/MS Volatiles - P C2
 Lab File ID: pq214.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
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

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

Method Blank - Batch: 680-138258

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 680-138258/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/19/2009 1145
Date Prepared: 05/19/2009 1145

Analysis Batch: 680-138258
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P C2
Lab File ID: pq214.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
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
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	96	75 - 120
Dibromofluoromethane	102	75 - 121
Toluene-d8 (Surr)	113	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-138258**

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

LCS Lab Sample ID: LCS 680-138258/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/19/2009 0941
Date Prepared: 05/19/2009 0941

Analysis Batch: 680-138258
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P C2
Lab File ID: pq206.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-138258/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/19/2009 1017
Date Prepared: 05/19/2009 1017

Analysis Batch: 680-138258
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P C2
Lab File ID: pq208.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	100	17 - 175	4	50		
Benzene	95	98	77 - 119	4	30		
Dichlorobromomethane	97	99	78 - 127	1	30		
Bromoform	107	107	62 - 133	0	30		
Bromomethane	67	76	12 - 184	13	50		
2-Butanone (MEK)	98	98	33 - 157	0	30		
Carbon disulfide	104	105	55 - 131	2	30		
Carbon tetrachloride	105	106	71 - 135	1	30		
Chlorobenzene	100	99	85 - 116	1	30		
Chloroethane	70	70	40 - 165	1	50		
Chloroform	98	100	82 - 120	2	30		
Chloromethane	115	116	48 - 142	1	50		
Chlorodibromomethane	96	94	75 - 133	2	30		
1,2-Dibromo-3-Chloropropane	107	113	49 - 140	5	30		
Ethylene Dibromide	95	97	80 - 121	2	30		
Dibromomethane	82	88	78 - 119	7	30		
Dichlorodifluoromethane	108	110	34 - 154	2	30		
1,1-Dichloroethane	72	76	74 - 127	5	30		
1,2-Dichloroethane	94	100	66 - 132	6	30		
1,1-Dichloroethene	100	97	62 - 141	3	30		
cis-1,2-Dichloroethene	99	103	69 - 134	4	30		
trans-1,2-Dichloroethene	97	98	72 - 131	1	30		
1,2-Dichloropropane	100	101	73 - 124	0	30		
cis-1,3-Dichloropropene	106	108	76 - 126	2	30		
trans-1,3-Dichloropropene	110	111	73 - 128	1	30		
Ethylbenzene	100	98	86 - 116	2	30		
2-Hexanone	104	107	34 - 161	3	30		
Methylene Chloride	74	81	70 - 125	8	30		
4-Methyl-2-pentanone (MIBK)	100	105	40 - 151	6	30		
Styrene	104	106	82 - 122	2	30		
1,1,1,2-Tetrachloroethane	102	98	81 - 128	4	30		
1,1,2,2-Tetrachloroethane	95	96	69 - 129	0	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-138258**

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

LCS Lab Sample ID: LCS 680-138258/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/19/2009 0941
Date Prepared: 05/19/2009 0941

Analysis Batch: 680-138258
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P C2
Lab File ID: pq206.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-138258/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/19/2009 1017
Date Prepared: 05/19/2009 1017

Analysis Batch: 680-138258
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P C2
Lab File ID: pq208.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Tetrachloroethene	115	110	76 - 126	4	30		
Toluene	94	100	81 - 117	7	30		
1,1,1-Trichloroethane	88	90	76 - 127	2	30		
1,1,2-Trichloroethane	87	90	75 - 121	3	30		
Trichloroethene	104	102	84 - 115	2	30		
Trichlorofluoromethane	82	81	58 - 149	2	50		
1,2,3-Trichloropropane	96	95	70 - 130	1	30		
Vinyl acetate	101	92	10 - 217	10	30		
Vinyl chloride	97	99	59 - 144	2	50		
Xylenes, Total	102	102	84 - 118	1	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	100		102		75 - 120		
Dibromofluoromethane	99		103		75 - 121		
Toluene-d8 (Surr)	98		103		75 - 120		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-138258**

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

MS Lab Sample ID: 680-47361-9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/19/2009 1903
Date Prepared: 05/19/2009 1903

Analysis Batch: 680-138258
Prep Batch: N/A

Instrument ID: GC/MS Volatiles - P C2
Lab File ID: p0644.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 680-47361-9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/19/2009 1933
Date Prepared: 05/19/2009 1933

Analysis Batch: 680-138258
Prep Batch: N/A

Instrument ID: GC/MS Volatiles - P C2
Lab File ID: p0646.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Acetone	85	93	17 - 175	9	50		
Benzene	94	94	77 - 119	0	30		
Dichlorobromomethane	99	99	78 - 127	1	30		
Bromoform	100	100	62 - 133	1	30		
Bromomethane	59	87	12 - 184	38	50		
2-Butanone (MEK)	94	91	33 - 157	3	30		
Carbon disulfide	99	105	55 - 131	5	30		
Carbon tetrachloride	105	107	71 - 135	1	30		
Chlorobenzene	99	100	85 - 116	0	30		
Chloroethane	68	64	40 - 165	6	50		
Chloroform	96	99	82 - 120	4	30		
Chloromethane	115	114	48 - 142	1	50		
Chlorodibromomethane	93	90	75 - 133	4	30		
1,2-Dibromo-3-Chloropropane	101	103	49 - 140	2	30		
Ethylene Dibromide	93	92	80 - 121	2	30		
Dibromomethane	80	83	78 - 119	4	30		
Dichlorodifluoromethane	102	109	34 - 154	7	30		
1,1-Dichloroethane	70	74	74 - 127	5	30	F	
1,2-Dichloroethane	96	95	66 - 132	1	30		
1,1-Dichloroethene	94	101	62 - 141	6	30		
cis-1,2-Dichloroethene	97	100	69 - 134	3	30		
trans-1,2-Dichloroethene	96	99	72 - 131	3	30		
1,2-Dichloropropane	99	100	73 - 124	1	30		
cis-1,3-Dichloropropene	100	100	76 - 126	0	30		
trans-1,3-Dichloropropene	104	103	73 - 128	1	30		
Ethylbenzene	100	100	86 - 116	0	30		
2-Hexanone	101	102	34 - 161	0	30		
Methylene Chloride	73	76	70 - 125	4	30		
4-Methyl-2-pentanone (MIBK)	100	100	40 - 151	0	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc

Job Number: 680-47361-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-138258**

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

MS Lab Sample ID: 680-47361-9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/19/2009 1903
Date Prepared: 05/19/2009 1903

Analysis Batch: 680-138258
Prep Batch: N/A

Instrument ID: GC/MS Volatiles - P C2
Lab File ID: p0644.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 680-47361-9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/19/2009 1933
Date Prepared: 05/19/2009 1933

Analysis Batch: 680-138258
Prep Batch: N/A

Instrument ID: GC/MS Volatiles - P C2
Lab File ID: p0646.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Styrene	104	104	82 - 122	0	30		
1,1,1,2-Tetrachloroethane	103	99	81 - 128	4	30		
1,1,2,2-Tetrachloroethane	95	94	69 - 129	1	30		
Tetrachloroethene	115	114	76 - 126	1	30		
Toluene	97	97	81 - 117	0	30		
1,1,1-Trichloroethane	89	90	76 - 127	1	30		
1,1,2-Trichloroethane	88	86	75 - 121	2	30		
Trichloroethene	103	102	84 - 115	1	30		
Trichlorofluoromethane	81	77	58 - 149	5	50		
1,2,3-Trichloropropane	94	95	70 - 130	1	30		
Vinyl acetate	87	83	10 - 217	4	30		
Vinyl chloride	99	94	59 - 144	5	50		
Xylenes, Total	102	102	84 - 118	1	30		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
4-Bromofluorobenzene		102	100			75 - 120	
Dibromofluoromethane		99	99			75 - 121	
Toluene-d8 (Surr)		100	102			75 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

Method Blank - Batch: 680-138355

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-138355/7
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 05/20/2009 1209
 Date Prepared: 05/20/2009 1209

Analysis Batch: 680-138355
 Prep Batch: N/A
 Units: ug/L

Instrument ID: GC/MS Volatiles - P
 Lab File ID: pq227.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
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

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

Method Blank - Batch: 680-138355

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 680-138355/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/20/2009 1209
Date Prepared: 05/20/2009 1209

Analysis Batch: 680-138355
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq227.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
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
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	87	75 - 120	
Dibromofluoromethane	101	75 - 121	
Toluene-d8 (Surr)	104	75 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc

Job Number: 680-47361-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-138355**

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

LCS Lab Sample ID: LCS 680-138355/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/20/2009 1008
Date Prepared: 05/20/2009 1008

Analysis Batch: 680-138355
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq219.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-138355/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/20/2009 1041
Date Prepared: 05/20/2009 1041

Analysis Batch: 680-138355
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq221.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Acetone	93	92	17 - 175	1	50		
Benzene	97	94	77 - 119	4	30		
Dichlorobromomethane	105	100	78 - 127	5	30		
Bromoform	112	104	62 - 133	7	30		
Bromomethane	76	75	12 - 184	1	50		
2-Butanone (MEK)	95	93	33 - 157	3	30		
Carbon disulfide	97	102	55 - 131	5	30		
Carbon tetrachloride	101	103	71 - 135	2	30		
Chlorobenzene	99	96	85 - 116	3	30		
Chloroethane	67	74	40 - 165	10	50		
Chloroform	95	97	82 - 120	2	30		
Chloromethane	89	87	48 - 142	2	50		
Chlorodibromomethane	113	108	75 - 133	5	30		
1,2-Dibromo-3-Chloropropane	101	86	49 - 140	16	30		
Ethylene Dibromide	97	88	80 - 121	9	30		
Dibromomethane	84	82	78 - 119	3	30		
Dichlorodifluoromethane	94	98	34 - 154	4	30		
1,1-Dichloroethane	70	72	74 - 127	2	30	*	*
1,2-Dichloroethane	98	93	66 - 132	5	30		
1,1-Dichloroethene	93	99	62 - 141	5	30		
cis-1,2-Dichloroethene	98	100	69 - 134	2	30		
trans-1,2-Dichloroethene	98	100	72 - 131	1	30		
1,2-Dichloropropane	104	99	73 - 124	5	30		
cis-1,3-Dichloropropene	111	105	76 - 126	5	30		
trans-1,3-Dichloropropene	117	108	73 - 128	7	30		
Ethylbenzene	99	97	86 - 116	2	30		
2-Hexanone	103	97	34 - 161	6	30		
Methylene Chloride	76	78	70 - 125	2	30		
4-Methyl-2-pentanone (MIBK)	97	89	40 - 151	9	30		
Styrene	106	104	82 - 122	2	30		
1,1,1,2-Tetrachloroethane	116	112	81 - 128	4	30		
1,1,2,2-Tetrachloroethane	91	84	69 - 129	8	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-138355**

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

LCS Lab Sample ID: LCS 680-138355/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/20/2009 1008
Date Prepared: 05/20/2009 1008

Analysis Batch: 680-138355
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq219.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-138355/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/20/2009 1041
Date Prepared: 05/20/2009 1041

Analysis Batch: 680-138355
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq221.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Tetrachloroethene	109	110	76 - 126	1	30		
Toluene	100	95	81 - 117	5	30		
1,1,1-Trichloroethane	87	86	76 - 127	1	30		
1,1,2-Trichloroethane	94	88	75 - 121	7	30		
Trichloroethene	103	101	84 - 115	2	30		
Trichlorofluoromethane	67	69	58 - 149	3	50		
1,2,3-Trichloropropane	95	88	70 - 130	8	30		
Vinyl acetate	106	101	10 - 217	5	30		
Vinyl chloride	80	83	59 - 144	3	50		
Xylenes, Total	101	98	84 - 118	3	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	105		99		75 - 120		
Dibromofluoromethane	102		102		75 - 121		
Toluene-d8 (Surr)	102		99		75 - 120		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-138355**

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

MS Lab Sample ID: 680-47361-23
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/20/2009 1942
Date Prepared: 05/20/2009 1942

Analysis Batch: 680-138355
Prep Batch: N/A

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0677.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 680-47361-23
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/20/2009 2011
Date Prepared: 05/20/2009 2011

Analysis Batch: 680-138355
Prep Batch: N/A

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0679.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Acetone	84	79	17 - 175	6	50		
Benzene	93	89	77 - 119	4	30		
Dichlorobromomethane	95	91	78 - 127	4	30		
Bromoform	101	95	62 - 133	6	30		
Bromomethane	73	78	12 - 184	7	50		
2-Butanone (MEK)	91	82	33 - 157	10	30		
Carbon disulfide	99	96	55 - 131	3	30		
Carbon tetrachloride	99	97	71 - 135	2	30		
Chlorobenzene	96	93	85 - 116	4	30		
Chloroethane	74	71	40 - 165	4	50		
Chloroform	94	91	82 - 120	3	30		
Chloromethane	96	91	48 - 142	5	50		
Chlorodibromomethane	104	101	75 - 133	3	30		
1,2-Dibromo-3-Chloropropane	97	93	49 - 140	4	30		
Ethylene Dibromide	88	84	80 - 121	5	30		
Dibromomethane	78	74	78 - 119	4	30		F
Dichlorodifluoromethane	95	94	34 - 154	1	30		
1,1-Dichloroethane	70	67	74 - 127	3	30	F	F
1,2-Dichloroethane	93	87	66 - 132	6	30		
1,1-Dichloroethene	96	92	62 - 141	4	30		
cis-1,2-Dichloroethene	96	94	69 - 134	1	30		
trans-1,2-Dichloroethene	100	96	72 - 131	3	30		
1,2-Dichloropropane	97	94	73 - 124	4	30		
cis-1,3-Dichloropropene	96	94	76 - 126	3	30		
trans-1,3-Dichloropropene	101	96	73 - 128	5	30		
Ethylbenzene	98	93	86 - 116	5	30		
2-Hexanone	98	91	34 - 161	7	30		
Methylene Chloride	74	71	70 - 125	3	30		
4-Methyl-2-pentanone (MIBK)	92	86	40 - 151	7	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-138355**

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

MS Lab Sample ID: 680-47361-23
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/20/2009 1942
Date Prepared: 05/20/2009 1942

Analysis Batch: 680-138355
Prep Batch: N/A

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0677.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 680-47361-23
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/20/2009 2011
Date Prepared: 05/20/2009 2011

Analysis Batch: 680-138355
Prep Batch: N/A

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0679.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Styrene	104	97	82 - 122	7	30		
1,1,1,2-Tetrachloroethane	109	104	81 - 128	5	30		
1,1,2,2-Tetrachloroethane	88	81	69 - 129	8	30		
Tetrachloroethene	108	104	76 - 126	4	30		
Toluene	96	92	81 - 117	4	30		
1,1,1-Trichloroethane	85	83	76 - 127	3	30		
1,1,2-Trichloroethane	86	81	75 - 121	5	30		
Trichloroethene	99	95	84 - 115	4	30		
Trichlorofluoromethane	74	69	58 - 149	7	50		
1,2,3-Trichloropropane	94	86	70 - 130	8	30		
Vinyl acetate	89	83	10 - 217	6	30		
Vinyl chloride	89	83	59 - 144	6	50		
Xylenes, Total	100	95	84 - 118	5	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	98	95	75 - 120
Dibromofluoromethane	101	97	75 - 121
Toluene-d8 (Surr)	97	93	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc

Job Number: 680-47361-1

Method Blank - Batch: 680-138373

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 680-138373/5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/20/2009 1305
Date Prepared: 05/20/2009 1305

Analysis Batch: 680-138373
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P C2
Lab File ID: pq230.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
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

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

Method Blank - Batch: 680-138373

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 680-138373/5
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 05/20/2009 1305
 Date Prepared: 05/20/2009 1305

Analysis Batch: 680-138373
 Prep Batch: N/A
 Units: ug/L

Instrument ID: GC/MS Volatiles - P C2
 Lab File ID: pq230.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
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
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	91	75 - 120
Dibromofluoromethane	100	75 - 121
Toluene-d8 (Surr)	106	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-138373**

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

LCS Lab Sample ID: LCS 680-138373/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/20/2009 1022
Date Prepared: 05/20/2009 1022

Analysis Batch: 680-138373
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P C2
Lab File ID: pq220.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-138373/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/20/2009 1056
Date Prepared: 05/20/2009 1056

Analysis Batch: 680-138373
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P C2
Lab File ID: pq222.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	101	17 - 175	5	50		
Benzene	99	97	77 - 119	2	30		
Dichlorobromomethane	103	101	78 - 127	2	30		
Bromoform	109	105	62 - 133	4	30		
Bromomethane	68	61	12 - 184	11	50		
2-Butanone (MEK)	106	103	33 - 157	3	30		
Carbon disulfide	96	108	55 - 131	11	30		
Carbon tetrachloride	103	107	71 - 135	4	30		
Chlorobenzene	98	101	85 - 116	2	30		
Chloroethane	56	57	40 - 165	1	50		
Chloroform	96	102	82 - 120	7	30		
Chloromethane	98	105	48 - 142	7	50		
Chlorodibromomethane	98	96	75 - 133	2	30		
1,2-Dibromo-3-Chloropropane	107	103	49 - 140	4	30		
Ethylene Dibromide	101	97	80 - 121	3	30		
Dibromomethane	86	85	78 - 119	2	30		
Dichlorodifluoromethane	96	111	34 - 154	14	30		
1,1-Dichloroethane	68	74	74 - 127	8	30		
1,2-Dichloroethane	100	96	66 - 132	4	30		
1,1-Dichloroethene	90	98	62 - 141	9	30		
cis-1,2-Dichloroethene	96	102	69 - 134	6	30		
trans-1,2-Dichloroethene	93	102	72 - 131	9	30		
1,2-Dichloropropane	104	103	73 - 124	1	30		
cis-1,3-Dichloropropene	113	109	76 - 126	4	30		
trans-1,3-Dichloropropene	119	112	73 - 128	6	30		
Ethylbenzene	97	99	86 - 116	2	30		
2-Hexanone	112	108	34 - 161	4	30		
Methylene Chloride	75	78	70 - 125	4	30		
4-Methyl-2-pentanone (MIBK)	109	105	40 - 151	3	30		
Styrene	105	104	82 - 122	1	30		
1,1,1,2-Tetrachloroethane	102	102	81 - 128	0	30		
1,1,2,2-Tetrachloroethane	99	95	69 - 129	4	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-138373**

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

LCS Lab Sample ID: LCS 680-138373/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/20/2009 1022
Date Prepared: 05/20/2009 1022

Analysis Batch: 680-138373
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P C2
Lab File ID: pq220.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-138373/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/20/2009 1056
Date Prepared: 05/20/2009 1056

Analysis Batch: 680-138373
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P C2
Lab File ID: pq222.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Tetrachloroethene	111	113	76 - 126	2	30		
Toluene	95	96	81 - 117	0	30		
1,1,1-Trichloroethane	87	90	76 - 127	4	30		
1,1,2-Trichloroethane	97	92	75 - 121	6	30		
Trichloroethene	105	106	84 - 115	1	30		
Trichlorofluoromethane	66	71	58 - 149	7	50		
1,2,3-Trichloropropane	98	96	70 - 130	2	30		
Vinyl acetate	102	99	10 - 217	3	30		
Vinyl chloride	81	87	59 - 144	8	50		
Xylenes, Total	101	100	84 - 118	1	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	100		101		75 - 120		
Dibromofluoromethane	97		102		75 - 121		
Toluene-d8 (Surr)	99		100		75 - 120		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

Method Blank - Batch: 680-138505

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 680-138505/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/21/2009 1105
Date Prepared: 05/21/2009 1105

Analysis Batch: 680-138505
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq345.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
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

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

Method Blank - Batch: 680-138505

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 680-138505/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/21/2009 1105
Date Prepared: 05/21/2009 1105

Analysis Batch: 680-138505
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq345.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Propionitrile	<20		20
Styrene	<1.0		1.0
1,1,1,2-Tetrachloroethane	<1.0		1.0
1,1,1,2-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	87	75 - 120
Dibromofluoromethane	104	75 - 121
Toluene-d8 (Surr)	104	75 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc.

Job Number: 680-47361-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-138505**

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

LCS Lab Sample ID: LCS 680-138505/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/21/2009 0908
Date Prepared: 05/21/2009 0908

Analysis Batch: 680-138505
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq337.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-138505/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/21/2009 0937
Date Prepared: 05/21/2009 0937

Analysis Batch: 680-138505
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq339.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Acetone	107	109	17 - 175	2	50		
Benzene	103	107	77 - 119	3	30		
Dichlorobromomethane	99	106	78 - 127	6	30		
Bromoform	105	112	62 - 133	6	30		
Bromomethane	77	78	12 - 184	2	50		
2-Butanone (MEK)	99	102	33 - 157	3	30		
Carbon disulfide	87	83	55 - 131	5	30		
Carbon tetrachloride	118	116	71 - 135	2	30		
Chlorobenzene	98	98	85 - 116	1	30		
Chloroethane	74	68	40 - 165	10	50		
Chloroform	106	105	82 - 120	1	30		
Chloromethane	92	85	48 - 142	8	50		
Chlorodibromomethane	105	112	75 - 133	6	30		
1,2-Dibromo-3-Chloropropane	90	98	49 - 140	8	30		
Ethylene Dibromide	88	97	80 - 121	9	30		
Dibromomethane	83	93	78 - 119	11	30		
Dichlorodifluoromethane	107	100	34 - 154	7	30		
1,1-Dichloroethane	110	109	74 - 127	1	30		
1,2-Dichloroethane	93	99	66 - 132	6	30		
1,1-Dichloroethene	109	102	62 - 141	7	30		
cis-1,2-Dichloroethene	112	106	69 - 134	5	30		
trans-1,2-Dichloroethene	106	102	72 - 131	4	30		
1,2-Dichloropropane	103	108	73 - 124	5	30		
cis-1,3-Dichloropropene	104	113	76 - 126	8	30		
trans-1,3-Dichloropropene	106	115	73 - 128	8	30		
Ethylbenzene	106	105	86 - 116	1	30		
2-Hexanone	97	104	34 - 161	8	30		
Methylene Chloride	94	95	70 - 125	1	30		
4-Methyl-2-pentanone (MIBK)	89	99	40 - 151	11	30		
Styrene	106	108	82 - 122	2	30		
1,1,1,2-Tetrachloroethane	113	115	81 - 128	2	30		
1,1,2,2-Tetrachloroethane	82	86	69 - 129	5	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Hercules Inc

Job Number: 680-47361-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 680-138505**

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

LCS Lab Sample ID: LCS 680-138505/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/21/2009 0908
Date Prepared: 05/21/2009 0908

Analysis Batch: 680-138505
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq337.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

LCSD Lab Sample ID: LCSD 680-138505/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/21/2009 0937
Date Prepared: 05/21/2009 0937

Analysis Batch: 680-138505
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq339.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Tetrachloroethene	114	112	76 - 126	2	30		
Toluene	104	108	81 - 117	4	30		
1,1,1-Trichloroethane	108	109	76 - 127	0	30		
1,1,2-Trichloroethane	85	94	75 - 121	9	30		
Trichloroethene	100	104	84 - 115	4	30		
Trichlorofluoromethane	74	67	58 - 149	10	50		
1,2,3-Trichloropropane	87	93	70 - 130	7	30		
Vinyl acetate	126	130	10 - 217	3	30		
Vinyl chloride	89	80	59 - 144	11	50		
Xylenes, Total	102	102	84 - 118	1	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	101		103		75 - 120		
Dibromofluoromethane	104		106		75 - 121		
Toluene-d8 (Surr)	98		102		75 - 120		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Serial Number 012660

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

TestAmerica Savannah
 5102 LaRoche Avenue
 Savannah, GA 31404

Alternate Laboratory Name/Location

Phone:
 Fax:

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

PROJECT REFERENCE: **Heracles / Ashland**
 TAL (LAB) PROJECT MANAGER: **Lidia Gmiliaz**
 CLIENT (SITE) PM: **Jim Hassett**
 CLIENT NAME: **Heracles, Inc.**
 CLIENT ADDRESS: **Heracles Research Center 500 Hercules Rd**
Wilmington, DE 19808
 COMPANY CONTRACTING THIS WORK (if applicable)

PROJECT NO.: **HER25080**
 P.O. NUMBER:
 CLIENT PHONE: **302-995-3456**
 CLIENT FAX:
 PROJECT LOCATION (STATE): **MS**
 CONTRACT NO.:
 CLIENT FAX:

REQUIRED ANALYSIS

PAGE **2** OF **3**
 STANDARD REPORT DELIVERY:
 DATE DUE:
 EXPEDITED REPORT DELIVERY (SURCHARGE):
 DATE DUE:
 NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

DATE	TIME	SAMPLE IDENTIFICATION	MATRIX TYPE				REMARKS
			COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	
05/13/2009	1604	HER-FDA-051309	G	✓			3
05/13/2009	1713	HER-MW05-051309	G	✓			3
05/13/2009	1802	HER-MW12-051309	G	✓			3
05/13/2009	1852	HER-MW18-051309	G	✓			3
05/14/2009	0827	HER-MW19-051409	G	✓			3
05/14/2009	0941	HER-MW07-051409 (MS/MSD)	G	✓			9
05/14/2009	1037	HER-MW16-051409	G	✓			3
05/14/2009	1140	HER-MW15-051409	G	✓			3
05/14/2009	1403	HER-MW14-051409	G	✓			3
05/15/2009	0713	HER-MW09-051509 (MS/MSD)	G	✓			3
05/14/2009	1508	HER-MW13-051409	G	✓			3

RELINQUISHED BY: (SIGNATURE) _____ DATE: 05/15/2009 TIME: 11:20
 RECEIVED BY: (SIGNATURE) _____ DATE: 05/15/2009 TIME: 11:20
 RECEIVED BY: (SIGNATURE) _____ DATE: _____ TIME: _____
 RECEIVED BY: (SIGNATURE) _____ DATE: _____ TIME: _____

LABORATORY USE ONLY

SAVANNAH LOG NO. **68047361**

CUSTODY SEAL NO. _____

CUSTODY INTACT YES NO

LABORATORY REMARKS

Serial Number 012661

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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

TestAmerica Savannah
 5102 LaRoche Avenue
 Savannah, GA 31404

Alternate Laboratory Name/Location

Phone:
 Fax:

PROJECT REFERENCE: Hercules/Asland
 TAL (LAB) PROJECT MANAGER: Lidia Gwizda
 CLIENT (SITE) PM: Tim Hassett
 CLIENT NAME: Hercules Inc
 CLIENT ADDRESS: Hercules Research Center, 500 Hercules Rd
 Wilmington, DE 19808
 PROJECT NO.: HEK25080
 P.O. NUMBER:
 CONTRACT NO.: MS
 CLIENT PHONE: 302-995-3456
 CLIENT FAX:
 CLIENT E-MAIL:

REQUIRED ANALYSIS: PRESERVATIVE
 MATRIX TYPE: AQUEOUS (WATER)
 NONAQUEOUS LIQUID (OIL SOLVENT...)
 AIR
 SOLID OR SEMISOLID
 COMPOSITE (C) OR GRAB (G) INDICATE
 DATE DUE: STANDARD REPORT DELIVERY
 DATE DUE: EXPEDITED REPORT DELIVERY (SURCHARGE)
 DATE DUE: NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
 NUMBER OF CONTAINERS SUBMITTED: 3

DATE	TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NUMBER OF CONTAINERS SUBMITTED	REMARKS
05/15/2009	0846	HER-MW08-051509	G				3	
05/15/2009	0935	HER-MN17-051509	G				3	
05/13/2009	1047	HER-RB02-051309	G				3	
05/14/2009	0901	HER-RB03-051409	G				3	
05/14/2009	-	HER-FD02-051409	G				3	
05/15/2009	0754	HER-RB04-051509	G				3	provided by LAPS
		Trip Blank					3	

RELINQUISHED BY: (SIGNATURE) [Signature] DATE: 05/14/2009 TIME: 11:20
 RECEIVED BY: (SIGNATURE) [Signature] DATE: Feb 6x - TIME:
 SAVANNAH LOG NO. 6204736
 CUSTODY SEAL NO. YES NO
 CUSTODY INTACT YES NO
 LABORATORY USE ONLY
 RECEIVED FOR LABORATORY BY: [Signature] DATE: 05/16/09 0945
 LABORATORY REMARKS:

Login Sample Receipt Check List

Client: Hercules Inc.

Job Number: 680-47361-1

Login Number: 47361

List Source: TestAmerica Savannah

Creator: Hall, Karl I

List Number: 1

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	1.8 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	