

Serial Number 48303

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

**SEVERN
TRENT**

STL

STL Savannah
5102 LaRoche Avenue
Savannah, GA 31404

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

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE HER25080		PROJECT NO.	PROJECT LOCATION (STATE)	MATRIX TYPE	REQUIRED ANALYSIS		PAGE	OF
STL (LAB) PROJECT MANAGER Lidia Gualizola		P.O. NUMBER 4506911547	CONTRACT NO. MS	NONAQUEOUS LIQUID (OIL, SOLVENT...)	PSX 175 Methane 325.2 Chloride 310.1 Alfa H2C 1 TR Phenol		2	2
CLIENT (SITE) PM Tim Hassett		CLIENT PHONE 302-995-3456	CLIENT FAX	AQUEOUS (WATER)	PSX 175 Methane 325.2 Chloride 310.1 Alfa H2C 1 TR Phenol		STANDARD REPORT DATE DUE	○
CLIENT NAME Hercules Inc.		CLIENT E-MAIL		COMPOSITE (C) OR GRAB (G) INDICATE	PSX 175 Methane 325.2 Chloride 310.1 Alfa H2C 1 TR Phenol		EXPEDITED REPORT DELIVERY (SURCHARGE) DATE DUE	○
CLIENT ADDRESS Hercules Research Center, 500 Hercules Rd. Wilmington, DE 19805				AR	PSX 175 Methane 325.2 Chloride 310.1 Alfa H2C 1 TR Phenol		NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	
COMPANY CONTRACTING THIS WORK (if applicable)				SOLID OR SEMISOLID	PSX 175 Methane 325.2 Chloride 310.1 Alfa H2C 1 TR Phenol			
SAMPLE IDENTIFICATION		SAMPLE IDENTIFICATION			PSX 175 Methane 325.2 Chloride 310.1 Alfa H2C 1 TR Phenol			
DATE	TIME	DATE	TIME		PSX 175 Methane 325.2 Chloride 310.1 Alfa H2C 1 TR Phenol			
5/18/07	0835	HER - MW04 - 051807		✓	3	1	1	
5/18/07	1000	HER - MW05 - 051807 (MS/MSD)		✓	3	1	1	940-1 VAS
5/18/07	1200	HER - MW12 - 051807		✓	3	1	1	
5/18/07	1140	HER - MW06 - 051807		✓	3	1	1	
5/18/07	1315	HER - MW18 - 051807		✓	3	1	1	
5/18/07	1415	HER - MW19 - 051807		✓	3	1	1	
5/18/07	---	HER - FD1 - 051807		✓	3	1	1	
---	---	HER - TB1		✓	3	1	1	
---	---	HER - TB2		✓	3	1	1	
---	---	HER - TB3		✓	3	1	1	
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			<i>[Signature]</i>	5/18/07	1525			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
RECEIVED FOR LABORATORY USE ONLY		DATE	TIME	STL SAVANNAH LOG NO.	LABORATORY REMARKS			
<i>[Signature]</i>		07907	0900	68026849				

TEMP.
20/3.1
1.1

Serial Number 48308 Cooler 2 of 3

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD



STL

STL Savannah
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PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)	MATRIX TYPE	REQUIRED ANALYSIS	PAGE	OF
HER25080		MS			1	2
STL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.			STANDARD REPORT DELIVERY	
Lidia Gutilizia	4500911597				DATE DUE	
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX			EXPEDITED REPORT DELIVERY (SURCHARGE)	
Jim Hassoff	302-995-3454				DATE DUE	
CLIENT NAME	CLIENT E-MAIL				NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	
Hercules, Inc.						
CLIENT ADDRESS						
Hercules Research Center, 500 Hercules Rd. Wilmington, DE 19808						
COMPANY CONTRACTING THIS WORK (if applicable)						
SAMPLE	DATE	TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	NONAQUEOUS LIQUID (OIL, SOLVENT...)	REMARKS
	05-17-07	0935	HER-CM00-051707	G		
	05-17-07	0915	HER-CM01-051707	G		
	05-17-07	0900	HER-CM02-051707	G		
	05-17-07	0845	HER-CM03-051707	G		
	05-17-07	0832	HER-CM04-051707	G		
	05-17-07	0750	HER-CM05-051707	G		
	05-17-07	0745	HER-RS1-051707	G		
	05-17-07	1150	HER-MN03-051707	G		
	05-17-07	1330	HER-MN02-051707 (MS/MSD)	G		
	05-17-07	1500	HER-MN10-051707	G		
	05-17-07	1700	HER-MN11-051707	G		
	05-18-07	0835	HER-RS2-051707	G		
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	
				5-18-07	1525	
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	

RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	TIME	CUSTODY INTACT	STL SAVANNAH LOG NO.	LABORATORY REMARKS
<i>[Signature]</i>	051907	0900	YES <input type="radio"/> NO <input type="radio"/>	68876849	

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Eco-Systems Inc

Job Number: 680-26849-1

Login Number: 26849

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
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.	False	See narrative for exceptions.
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	NA	
Samples do not require splitting or compositing.	NA	

STL

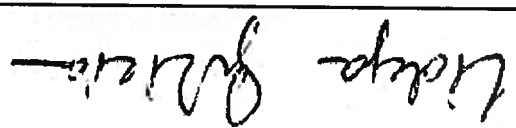
ANALYTICAL REPORT

Job Number: 680-26920-1

Job Description: Hercules Hattiesburg 2Q07

For:
Eco-Systems Inc
6360 155 North
Suite 330
Jackson, MS 39211

Attention: Mr. Charles Coney



Lidya Gultizia
Project Manager I
lgultizia@stl-inc.com
06/19/2007

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.

Project Manager: Lidya Gultizia

Severn Trent Laboratories, Inc.
STL Savannah 5102 LaRoche Avenue, Savannah, GA 31404
Tel (912) 354-7858 Fax (912) 351-3673 www.stl-inc.com



I. Receipt
Volatiles sample HER-MW14 (3 of 3), MW15 (2 of 3) and MW16 (3 of 3) was received with headspace in the sample vial.
All other samples were received in good condition within temperature requirements.

- II. GC/MS VOA
No analytical or quality issues were noted
- III. GC VOA
No analytical or quality issues were noted
- IV. General Chemistry
No analytical or quality issues were noted
- V. Comments
No additional comments.

METHOD SUMMARY

Description	Lab Location	Method	Preparation Method
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Matrix: Water			
Volatle Organic Compounds by GC/MS	STL SAV	SW846 8260B	
Purge-and-Trap	STL SAV	SW846 5030B	
Dissolved Gases in Water	STL SAV	RSK RSK-175	
Alkalinity - Titrimetric, pH 4.5	STL SAV	MCAWW 310.1	
Chloride (Colorimetric, Automated Ferricyanide)	STL SAV	MCAWW 325.2	
Phenolics (Spectrophotometric, Manual 4-AAP with Distillation)	STL SAV	MCAWW 420.1	Distill/Phenol
Distillation/Phenolics	STL SAV		

LAB REFERENCES:

STL SAV = STL Savannah

METHOD REFERENCES:

MCAWW - "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
 RSK - Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/1/94, USEPA Research Lab
 SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Method	Analyst	Analyst ID
SW846 8260B	Agresta, Maria	MA
RSK RSK-175	Young, Myron	MY
MCAWW 310.1	Vasquez, Juana	JV
MCAWW 325.2	Ross, Jon	JR
MCAWW 420.1	Vasquez, Juana	JV

METHOD / ANALYST SUMMARY

Client: Eco-Systems Inc

Job Number: 680-26920-1

SAMPLE SUMMARY

Client: Eco-Systems Inc

Job Number: 680-26920-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-26920-1	HER-MW07-052107	Water	05/21/2007 1105	05/23/2007 0900
680-26920-1MS	HER-MW07-052107	Water	05/21/2007 1105	05/23/2007 0900
680-26920-1MSD	HER-MW07-052107	Water	05/21/2007 1105	05/23/2007 0900
680-26920-2	HER-MW08-052207	Water	05/22/2007 1010	05/23/2007 0900
680-26920-3	HER-MW09-052207	Water	05/22/2007 0810	05/23/2007 0900
680-26920-4	HER-MW13-052107	Water	05/21/2007 1550	05/23/2007 0900
680-26920-5	HER-MW14-052107	Water	05/21/2007 1455	05/23/2007 0900
680-26920-6	HER-MW15-052107	Water	05/21/2007 1345	05/23/2007 0900
680-26920-7	HER-MW16-052107	Water	05/21/2007 1210	05/23/2007 0900
680-26920-8	HER-MW17-052107	Water	05/22/2007 0900	05/23/2007 0900
680-26920-9	HER-RS3-052107	Water	05/21/2007 1045	05/23/2007 0900
680-26920-10	HER-FD2-052107	Water	05/21/2007 0000	05/23/2007 0900
680-26920-11	HER-TB4-052207	Water	05/22/2007 0000	05/23/2007 0900
680-26920-12	HER-TB5-052207	Water	05/22/2007 0000	05/23/2007 0900

SAMPLE RESULTS

Analytical Data

Client: Eco-Systems Inc

Job Number: 680-26920-1

Client Sample ID: HER-MW07-052107

Lab Sample ID: 680-26920-1

Date Sampled: 05/21/2007 1105

Client Matrix: Water

Date Received: 05/23/2007 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
 Analysis Batch: 680-76575
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05339.d
 Preparation: 5030B
 Dilution: 1.0
 Date Analyzed: 06/01/2007 1318
 Date Prepared: 06/01/2007 1318
 Final Weight/Volume: 5 mL
 Initial Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
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Acetone	<25		25
Acetonitrile	<40		40
Acrolein	<20		20
Acrylonitrile	<20		20
Benzene	<1.0		1.0
Dichlorobromomethane	<1.0		1.0
Bromofom	<1.0		1.0
Bromomethane	<1.0		1.0
Methyl Ethyl Ketone	<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
Isobutanol	<40		40
Methacrylonitrile	<20		20
Methylene Chloride	<5.0		5.0
Methyl methacrylate	<1.0		1.0
methyl isobutyl ketone	<10		10
Pentachloroethane	<5.0		5.0
Propionitrile	<20		20
Styrene	<1.0		1.0

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-MW07-052107

Lab Sample ID: 680-26920-1

Client Matrix: Water

Date Sampled: 05/21/2007 1105

Date Received: 05/23/2007 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
 Preparation: 5030B
 Dilution: 1.0
 Date Analyzed: 06/01/2007 1318
 Date Prepared: 06/01/2007 1318
 Analysis Batch: 680-76575
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05339.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	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	105	77 - 120	
Dibromofluoromethane	111	75 - 123	
Toluene-d8 (Sur)	104	79 - 122	

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-MW08-052207

Lab Sample ID: 680-26920-2

Client Matrix: Water

Date Sampled: 05/22/2007 1010

Date Received: 05/23/2007 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
 Preparation: 5030B
 Dilution: 50
 Date Analyzed: 06/01/2007 1711
 Date Prepared: 06/01/2007 1711
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05355.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analysis Batch: 680-76575

Analyte	Result (ug/L)	Qualifier	RL
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Acetone	<1300		1300
Acetonitrile	<2000		2000
Acrolein	<1000		1000
Acrylonitrile	<1000		1000
Benzene	11000	E	1000
Dichlorobromomethane	<50		50
Bromoforn	<50		50
Bromomethane	<50		50
Methyl Ethyl Ketone	<500		500
Carbon disulfide	<100		100
Carbon tetrachloride	8400		50
Chlorobenzene	240		50
Chloroethane	<50		50
Chloroform	1000		50
Chloromethane	<50		50
2-Chloro-1,3-butadiene	<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
1,1-Dichloroethene	<50		50
cis-1,2-Dichloroethene	<50		50
trans-1,2-Dichloroethene	<50		50
1,2-Dichloropropane	<50		50
cis-1,3-Dichloropropene	<50		50
trans-1,3-Dichloropropene	<50		50
Ethylbenzene	100		50
Ethyl methacrylate	<50		50
2-Hexanone	<500		500
Iodomethane	<250		250
Isobutanol	<2000		2000
Methacrylonitrile	<1000		1000
Methylene Chloride	<250		250
Methyl methacrylate	<50		50
methyl isobutyl ketone	<500		500
Pentachloroethane	<250		250
Propionitrile	<1000		1000
Styrene	<50		50

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-MW08-052207

Lab Sample ID: 680-26920-2

Client Matrix: Water

Date Sampled: 05/22/2007 1010

Date Received: 05/23/2007 0900

Method: 8260B Analysis Batch: 680-76575 Instrument ID: GC/MS Volatiles - O

Preparation: 5030B

Dilution: 50

Date Analyzed: 06/01/2007 1711

Date Prepared: 06/01/2007 1711

Final Weigh/Volume: 5 mL

Initial Weigh/Volume: 5 mL

Lab File ID: 05355.d

8260B Volatile Organic Compounds by GC/MS

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	<50	*	50
1,1,2,2-Tetrachloroethane	<50		50
Tetrachloroethene	<50		50
Toluene	79		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	160		100
Surrogate	%Rec	Acceptance Limits	
4-Bromofluorobenzene	106	77 - 120	
Dibromofluoromethane	109	75 - 123	
Toluene-d8 (Sur)	103	79 - 122	

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-MMW08-052207

Lab Sample ID: 680-26920-2

Client Matrix: Water

Date Sampled: 05/22/2007 1010

Date Received: 05/23/2007 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
 Preparation: 5030B
 Dilution: 100
 Date Analyzed: 06/01/2007 2313
 Run Type: DL
 Date Prepared: 06/01/2007 2313
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05363.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
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Acetone	<2500		2500
Acetonitrile	<4000		4000
Acrolein	<2000		2000
Acrylonitrile	<2000		2000
Benzene	9600	D	2000
Dichlorobromomethane	<100		100
Bromotorm	<100		100
Bromomethane	<100		100
Methyl Ethyl Ketone	<1000		100
Carbon disulfide	<200		1000
Carbon tetrachloride	6100	D	200
Chlorobenzene	220	D	100
Chloroethane	<100		100
Chloroform	890	D	100
Chloromethane	<100		100
2-Chloro-1,3-butadiene	<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		100
Dichlorodifluoromethane	<100	*	200
1,1-Dichloroethane	<100		100
1,2-Dichloroethane	<100		100
1,1-Dichloroethene	<100		100
cis-1,2-Dichloroethene	<100		100
trans-1,2-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		100
Iodomethane	<500		500
Isobutanol	<4000		500
Methacrylonitrile	<2000		4000
Methylene Chloride	<500		2000
Methyl methacrylate	<100		500
methyl isobutyl ketone	<1000		100
Pentachloroethane	<500		500
Propionitrile	<2000		2000
Styrene	<100		100

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-MW08-052207

Lab Sample ID: 680-26920-2

Client Matrix: Water

Date Sampled: 05/22/2007 1010

Date Received: 05/23/2007 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
 Preparation: 5030B
 Dilution: 100
 Date Analyzed: 06/01/2007 2313
 Run Type: DL
 Date Prepared: 06/01/2007 2313
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05363.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	<100		100
1,1,2,2-Tetrachloroethane	<100		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		100
Vinyl chloride	<100		200
Xylenes, Total	<200		100
Surrogate	%Rec	Acceptance Limits	
4-Bromofluorobenzene	105	77 - 120	
Dibromofluoromethane	104	75 - 123	
Toluene-d8 (Surr)	103	79 - 122	

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-MW09-052207

Lab Sample ID: 680-26920-3

Client Matrix: Water

Date Sampled: 05/22/2007 0810

Date Received: 05/23/2007 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
 Preparation: 5030B
 Dilution: 1.0
 Date Analyzed: 06/01/2007 1347
 Date Prepared: 06/01/2007 1347
 Analysis Batch: 680-76575
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05341.d
 Initial Weigh/Volume: 5 mL
 Final Weigh/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
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Acetone	<25		25
Acetonitrile	<40		40
Acrolein	<20		20
Acrylonitrile	<20		20
Benzene	8.4		20
Dichlorobromomethane	<1.0		1.0
Bromoform	<1.0		1.0
Bromomethane	<1.0		1.0
Methyl Ethyl Ketone	<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	2.6		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
Isobutanol	<40		40
Methacrylonitrile	<20		20
Methylene Chloride	<5.0		5.0
Methyl methacrylate	<1.0		1.0
methyl isobutyl ketone	<10		10
Pentachloroethane	<5.0		5.0
Propionitrile	<20		20
Styrene	<1.0		1.0

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc
 Client Sample ID: HER-MW09-052207
 Lab Sample ID: 680-26920-3
 Client Matrix: Water

Date Sampled: 05/22/2007 0810
 Date Received: 05/23/2007 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
 Preparation: 5030B
 Dilution: 1.0
 Date Analyzed: 06/01/2007 1347
 Date Prepared: 06/01/2007 1347
 Analysis Batch: 680-76575
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05341 d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	Acceptance Limits
1,1,1,2-Tetrachloroethane	<1.0	*	RL
1,1,2,2-Tetrachloroethane	<1.0		1.0
Tetrachloroethene	<1.0		1.0
Toluene	<1.0		1.0
1,1,1-Trichloroethane	1.6		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	<1.0		1.0
Vinyl chloride	<2.0		1.0
Xylenes, Total	<1.0		2.0
Surrogate	<2.0		1.0
4-Bromofluorobenzene	105		2.0
Dibromofluoromethane	108		
Toluene-d8 (Sur)	102		

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-MW13-052107

Lab Sample ID: 680-26920-4

Client Matrix: Water

Date Sampled: 05/12/2007 1550

Date Received: 05/23/2007 0900

Method: 8260B
Preparation: 5030B
Dilution: 1.0

Analysis Batch: 680-76575

Instrument ID: GC/MS Volatiles - O

Lab File ID: 05343.d

Initial Weight/Volume: 5 mL

Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
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Acetone	<25		25
Acetonitrile	<40		40
Acrolein	<20		20
Acrylonitrile	<20		20
Benzene	320	E	20
Dichlorobromomethane	<1.0		1.0
Bromoform	<1.0		1.0
Bromomethane	<1.0		1.0
Methyl Ethyl Ketone	<10		10
Carbon disulfide	2.4		10
Carbon tetrachloride	1800	E	2.0
Chlorobenzene	13		1.0
Chloroethane	<1.0		1.0
Chloroform	160		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 Dichloride	<1.0		1.0
Dibromomethane	<1.0		1.0
trans-1,4-Dichloro-2-butene	<2.0		1.0
Dichlorodifluoromethane	<1.0		2.0
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	1.3		1.0
trans-1,2-Dichloroethene	<1.0		1.0
1,2-Dichloropropane	<1.0		1.0
trans-1,3-Dichloropropene	<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		10
Isobutanol	<40		5.0
Methacrylonitrile	<20		40
Methylene Chloride	<5.0		20
Methyl methacrylate	<1.0		5.0
Methyl isobutyl ketone	<10		10
Pentachloroethane	<5.0		5.0
Propionitrile	<20		20
Styrene	<1.0		1.0

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-MW13-052107

Lab Sample ID: 680-26920-4

Client Matrix: Water

Date Sampled: 05/12/2007 1550

Date Received: 05/23/2007 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
 Preparation: 5030B
 Dilution: 1.0
 Date Analyzed: 06/01/2007 1417
 Date Prepared: 06/01/2007 1417
 Analysis Batch: 680-76575
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05343.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	<1.0	*	1.0
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		1.0
Vinyl chloride	<2.0		2.0
Xylenes, Total	<1.0		1.0
Surrogate	<2.0		2.0
4-Bromofluorobenzene	102		77 - 120
Dibromofluoromethane	122		75 - 123
Toluene-d8 (Surr)	105		79 - 122

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-MW13-052107

Lab Sample ID: 680-26920-4

Client Matrix: Water

Date Sampled: 05/12/2007 1550

Date Received: 05/23/2007 0900

Method: 8260B Analysis Batch: 680-76905 Instrument ID: GC/MS Volatiles - O

Preparation: 5030B

Dilution: 10

Date Analyzed: 06/01/2007 2342

Run Type: DL

Date Prepared: 06/01/2007 2342

Final Weigh/Vol: 5 mL

Initial Weigh/Vol: 5 mL

Lab File ID: 05365.d

8260B Volatile Organic Compounds by GC/MS

Analyte	Result (ug/L)	Qualifier	RL
Acetone	<250		250
Acetonitrile	<400		400
Acrolein	<200		200
Acrylonitrile	<200		200
Benzene	320	D	200
Dichlorobromomethane	<10		10
Bromoform	<10		10
Bromomethane	<10		10
Methyl Ethyl Ketone	<100		100
Carbon disulfide	<20		20
Carbon tetrachloride	1400	D	10
Chlorobenzene	13	D	10
Chloroethane	<10		10
Chloroform	130	D	10
Chloromethane	<10		10
2-Chloro-1,3-butadiene	<10		10
3-Chloro-1-propene	<10		10
Chlorodibromomethane	<10		10
1,2-Dibromo-3-Chloropropane	<10		10
Ethylene Dibromide	<10		10
Dibromomethane	<10		10
trans-1,4-Dichloro-2-butene	<20		10
Dichlorodifluoromethane	<10	*	20
1,1-Dichloroethane	<10		10
1,2-Dichloroethane	<10		10
1,1-Dichloroethene	<10		10
cis-1,2-Dichloroethene	<10		10
trans-1,2-Dichloroethene	<10		10
1,2-Dichloropropane	<10		10
cis-1,3-Dichloropropene	<10		10
trans-1,3-Dichloropropene	<10		10
Ethyl methacrylate	<10		10
2-Hexanone	<100		10
Iodomethane	<50		50
Isobutanol	<400		400
Methacrylonitrile	<200		200
Methylene Chloride	<50		50
Methyl methacrylate	<10		10
Methyl isobutyl ketone	<100		100
Pentachloroethane	<50		50
Propionitrile	<200		200
Styrene	<10		10

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-MW13-052107

Lab Sample ID: 680-26920-4

Client Matrix: Water

Date Sampled: 05/12/2007 1550

Date Received: 05/23/2007 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
 Preparation: 5030B
 Dilution: 10
 Date Analyzed: 06/01/2007 2342
 Date Prepared: 06/01/2007 2342
 Run Type: DL
 Analysis Batch: 680-76905
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05365.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	<10		10
1,1,2,2-Tetrachloroethane	<10		10
Tetrachloroethene	<10		10
Toluene	<10		10
1,1,1-Trichloroethane	<10		10
1,1,2-Trichloroethane	<10		10
Trichloroethene	<10		10
Trichlorofluoromethane	<10		10
1,2,3-Trichloropropane	<10		10
Vinyl acetate	<10		10
Vinyl chloride	<20		20
Xylenes, Total	<10		10
Surrogate	<20		20
4-Bromofluorobenzene	103		77 - 120
Dibromofluoromethane	105		75 - 123
Toluene-d8 (Sur)	105		79 - 122

Client: Eco-Systems Inc
 Job Number: 680-26920-1

Client Sample ID: HER-MW14-052107

Lab Sample ID: 680-26920-5
 Client Matrix: Water

Date Sampled: 05/12/2007 1455
 Date Received: 05/23/2007 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
 Preparation: 5030B
 Dilution: 1.0
 Date Analyzed: 06/01/2007 1446
 Date Prepared: 06/01/2007 1446
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05345.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analysis Batch: 680-76575

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
Methyl Ethyl Ketone	<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
Isobutanol	<40		40
Methacrylonitrile	<20		20
Methylene Chloride	<5.0		5.0
Methyl methacrylate	<1.0		1.0
methyl isobutyl ketone	<10		10
Pentachloroethane	<5.0		5.0
Propionitrile	<20		20
Styrene	<1.0		1.0

Analytical Data

Client: Eco-Systems Inc
 Client Sample ID: HER-MW14-052107
 Lab Sample ID: 680-26920-5
 Client Matrix: Water
 Date Sampled: 05/21/2007 1455
 Date Received: 05/23/2007 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
 Preparation: 5030B
 Dilution: 1.0
 Date Analyzed: 06/01/2007 1446
 Date Prepared: 06/01/2007 1446
 Analysis Batch: 680-76575
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05345.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	<1.0	*	1.0
1,1,2-Tetrachloroethane	<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	104	77 - 120	
Dibromofluoromethane	113	75 - 123	
Toluene-d8 (Surr)	105	79 - 122	

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-MW15-052107

Lab Sample ID: 680-26920-6

Client Matrix: Water

Date Sampled: 05/21/2007 1345

Date Received: 05/23/2007 0900

Method: 8260B
Preparation: 5030B
Dilution: 1.0

Analysis Batch: 680-76575

Instrument ID: GC/MS Volatiles - O

Lab File ID: 05347.d

Initial Weight/Volume: 5 mL

Final Weight/Volume: 5 mL

Date Prepared: 06/01/2007 1515

Date Analyzed: 06/01/2007 1515

Analyte	Result (ug/L)	Qualifier	RL
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Acetone	<25		25
Acetonitrile	<40		40
Acrolein	<20		20
Acrylonitrile	<20		20
Benzene	<1.0		1.0
Dichlorobromomethane	<1.0		1.0
Bromofom	<1.0		1.0
Bromomethane	<1.0		1.0
Methyl Ethyl Ketone	<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
Isobutanol	<40		40
Methacrylonitrile	<20		20
Methylene Chloride	<5.0		5.0
Methyl methacrylate	<1.0		1.0
methyl isobutyl ketone	<10		10
Pentachloroethane	<5.0		5.0
Propionitrile	<20		20
Styrene	<1.0		1.0

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-MW15-052107

Lab Sample ID: 680-26920-6

Client Matrix: Water

Date Sampled: 05/12/2007 1345

Date Received: 05/23/2007 0900

Method: 8260B
Preparation: 5030B
Dilution: 1.0

Date Analyzed: 06/01/2007 1515
Date Prepared: 06/01/2007 1515

Instrument ID: GC/MS Volatiles - O
Lab File ID: 05347.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

8260B Volatile Organic Compounds by GC/MS

Analysis Batch: 680-76575

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	<1.0	*	1.0
1,1,2-Tetrachloroethane	<1.0		1.0
Toluene	<1.0		1.0
Tetrachloroethene	<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	103	77 - 120	
Dibromofluoromethane	111	75 - 123	
Toluene-d8 (Surr)	102	79 - 122	

Client: Eco-Systems Inc
 Job Number: 680-26920-1

Client Sample ID: HER-MW16-052107

Lab Sample ID: 680-26920-7

Client Matrix: Water

Date Sampled: 05/21/2007 1210

Date Received: 05/23/2007 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
 Preparation: 5030B
 Dilution: 1.0
 Date Analyzed: 06/01/2007 1544
 Date Prepared: 06/01/2007 1544
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05349.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analysis Batch: 680-76575

Analyte	Result (ug/L)	Qualifier	RL
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Acetone	<25		25
Acrylonitrile	<20		20
Acrolein	<40		40
Benzene	<20		20
Dichlorobromomethane	<1.0		1.0
Bromoform	<1.0		1.0
Bromomethane	<1.0		1.0
Methyl Ethyl Ketone	<10		10
Carbon disulfide	<2.0		2.0
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
Isobutanol	<40		40
Methacrylonitrile	<20		20
Methylene Chloride	<5.0		5.0
Methyl methacrylate	<1.0		1.0
methyl isobutyl ketone	<10		10
Pentachloroethane	<5.0		5.0
Propionitrile	<20		20
Styrene	<1.0		1.0

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-MW16-052107

Lab Sample ID: 680-26920-7

Client Matrix: Water

Date Sampled: 05/21/2007 1210

Date Received: 05/23/2007 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
 Preparation: 5030B
 Dilution: 1.0
 Date Analyzed: 06/01/2007 1544
 Date Prepared: 06/01/2007 1544
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05349.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analysis Batch: 680-76575

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	<1.0	*	1.0
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			
4-Bromofluorobenzene	102		77 - 120
Dibromofluoromethane	110		75 - 123
Toluene-d8 (Surr)	101		79 - 122

Analytical Data

Client: Eco-Systems Inc
 Client Sample ID: HER-MW17-052107
 Lab Sample ID: 680-26920-8
 Client Matrix: Water
 Date Sampled: 05/22/2007 0900
 Date Received: 05/23/2007 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
 Preparation: 5030B
 Dilution: 20
 Date Analyzed: 06/01/2007 1642
 Date Prepared: 06/01/2007 1642
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05353.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analysis Batch: 680-76575

Analyte	Result (ug/L)	Qualifier	RL
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Acetone	740		500
Acetonitrile	<800		800
Acrolein	<400		400
Acrylonitrile	<400		400
Benzene	4100	E	20
Dichlorobromomethane	<20		20
Bromoform	<20		20
Bromomethane	<20		20
Methyl Ethyl Ketone	<200		200
Carbon disulfide	<40		40
Carbon tetrachloride	26000	E	20
Chlorobenzene	630		20
Chloroethane	<20		20
Chloroform	2800		20
Chloromethane	<20		20
2-Chloro-1,3-butadiene	<20		20
3-Chloro-1-propene	<20		20
Chlorodibromomethane	<20		20
1,2-Dibromo-3-Chloropropane	<20		20
Ethylene Dichloride	<20		20
Dibromomethane	<20		20
trans-1,4-Dichloro-2-butene	<40		40
Dichlorodifluoromethane	<20		20
1,1-Dichloroethane	<20		20
1,2-Dichloroethane	<20		20
1,1-Dichloroethene	<20		20
cis-1,2-Dichloroethene	67		20
trans-1,2-Dichloroethene	<20		20
1,2-Dichloropropane	<20		20
cis-1,3-Dichloropropene	<20		20
trans-1,3-Dichloropropene	<20		20
Ethylbenzene	240		20
Ethyl methacrylate	<20		20
2-Hexanone	<200		200
Iodomethane	<100		100
Isobutanol	<800		800
Methacrylonitrile	<400		400
Methylene Chloride	<100		100
Methyl methacrylate	<20		20
methyl isobutyl ketone	570		200
Pentachloroethane	<100		100
Propionitrile	<400		400
Styrene	<20		20

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-MW17-052107

Lab Sample ID: 680-26920-8

Client Matrix: Water

Date Sampled: 05/22/2007 0900

Date Received: 05/23/2007 0900

Method: 8260B Analysis Batch: 680-76575 Instrument ID: GC/MS Volatiles - O

Preparation: 5030B

Dilution: 20

Date Analyzed: 06/01/2007 1642

Date Prepared: 06/01/2007 1642

Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL
 Lab File ID: 05353.d

8260B Volatile Organic Compounds by GC/MS

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	<20	*	20
1,1,2-Tetrachloroethane	<20		20
Tetrachloroethene	22		20
Toluene	340		20
1,1,1-Trichloroethane	<20		20
1,1,2-Trichloroethane	<20		20
Trichloroethene	<20		20
Trichlorofluoromethane	<20		20
1,2,3-Trichloropropane	<20		20
Vinyl acetate	<40		40
Vinyl chloride	<20		20
Xylenes, Total	710		40
Surrogate	%Rec	Acceptance Limits	
4-Bromofluorobenzene	105	77 - 120	
Dibromofluoromethane	122	75 - 123	
Toluene-d8 (Surr)	103	79 - 122	

Analytical Data

Client: Eco-Systems Inc

Client Sample ID: HER-MW17-052107

Lab Sample ID: 680-26920-8

Client Matrix: Water

Date Sampled: 05/22/2007 0900

Date Received: 05/23/2007 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
 Preparation: 5030B
 Dilution: 200
 Date Analyzed: 06/02/2007 0011
 Run Type: DL
 Date Prepared: 06/02/2007 0011
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05367.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	RL
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Acetone	<5000		5000
Acetonitrile	<8000		8000
Acrolein	<4000		4000
Acrylonitrile	<4000		4000
Benzene	5300	D	4000
Dichlorobromomethane	<200		200
Bromoform	<200		200
Bromomethane	<200		200
Methyl Ethyl Ketone	<2000		2000
Carbon disulfide	<400		400
Carbon tetrachloride	32000	D	400
Chlorobenzene	770	D	200
Chloroethane	<200		200
Chloroform	2800	D	200
Chloromethane	<200		200
2-Chloro-1,3-butadiene	<200		200
3-Chloro-1-propene	<200		200
Chlorodibromomethane	<200		200
1,2-Dibromo-3-Chloropropane	<200		200
Ethylene Dibromide	<200		200
Dibromomethane	<200		200
trans-1,4-Dichloro-2-butene	<400		200
Dichlorodifluoromethane	<200	*	400
1,1-Dichloroethane	<200		200
1,2-Dichloroethane	<200		200
1,1-Dichloroethene	<200		200
cis-1,2-Dichloroethene	<200		200
trans-1,2-Dichloroethene	<200		200
1,2-Dichloropropane	<200		200
cis-1,3-Dichloropropene	<200		200
trans-1,3-Dichloropropene	<200		200
Ethylbenzene	270	D	200
Ethyl methacrylate	<200		200
2-Hexanone	<2000		200
Iodomethane	<1000		2000
Isobutanol	<8000		1000
Methacrylonitrile	<4000		8000
Methylene Chloride	<1000		4000
Methyl methacrylate	<200		1000
methyl isobutyl ketone	<2000		200
Pentachloroethane	<1000		1000
Propionitrile	<4000		4000
Styrene	<200		200

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-MW17-052107

Lab Sample ID: 680-26920-8

Client Matrix: Water

Date Sampled: 05/22/2007 0900

Date Received: 05/23/2007 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
 Preparation: 5030B
 Dilution: 200
 Date Analyzed: 06/02/2007 0011
 Run Type: DL
 Date Prepared: 06/02/2007 0011
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05367.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	Acceptance Limits
1,1,1,2-Tetrachloroethane	<200		RL
1,1,2-Tetrachloroethane	<200		200
1,1,2-Tetrachloroethane	<200		200
Toluene	<200		200
Tetrachloroethene	<200		200
1,1,1-Trichloroethane	450	D	200
1,1,2-Trichloroethane	<200		200
1,1,2-Trichloroethane	<200		200
Trichloroethene	<200		200
Trichlorofluoromethane	<200		200
1,2,3-Trichloropropane	<200		200
Vinyl acetate	<200		200
Vinyl chloride	<400		400
Xylenes, Total	<200		200
Surrogate	810	D	400
4-Bromofluorobenzene	103		77 - 120
Dibromofluoromethane	109		75 - 123
Toluene-d8 (Surr)	104		79 - 122

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-RS3-052107

Lab Sample ID: 680-26920-9

Client Matrix: Water

Date Sampled: 05/12/2007 1045

Date Received: 05/23/2007 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
 Preparation: 5030B
 Dilution: 1.0
 Date Analyzed: 06/01/2007 1613
 Date Prepared: 06/01/2007 1613
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05351.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analysis Batch: 680-76575

Analyte	Result (ug/L)	Qualifier	RL
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Acetone	<25		25
Acrylonitrile	<20		20
Acrolein	<40		40
Benzene	<20		20
Dichlorobromomethane	<1.0		1.0
Bromoform	<1.0		1.0
Bromomethane	<1.0		1.0
Methyl Ethyl Ketone	<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
Isobutanol	<40		40
Methacrylonitrile	<20		20
Methylene Chloride	<5.0		5.0
Methyl methacrylate	<1.0		1.0
methyl isobutyl ketone	<10		10
Pentachloroethane	<5.0		5.0
Propionitrile	<20		20
Styrene	<1.0		1.0

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-RS3-052107

Lab Sample ID: 680-26920-9

Client Matrix: Water

Date Sampled: 05/21/2007 1045

Date Received: 05/23/2007 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
 Preparation: 5030B
 Dilution: 1.0
 Date Analyzed: 06/01/2007 1613
 Date Prepared: 06/01/2007 1613
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05351.d
 Initial Weigh/Volume: 5 mL
 Final Weigh/Volume: 5 mL

Analysis Batch: 680-76575

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	<1.0	*	1.0
1,1,2-Tetrachloroethane	<1.0		1.0
Tetrachloroethene	<1.0		1.0
Toluene	2.2		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	102	77 - 120	
Dibromofluoromethane	109	75 - 123	
Toluene-d8 (Surr)	102	79 - 122	

Analytical Data

Client: Eco-Systems Inc
 Job Number: 680-26920-1
 Client Sample ID: HER-FD2-052107
 Lab Sample ID: 680-26920-10
 Client Matrix: Water
 Date Sampled: 05/21/2007 0000
 Date Received: 05/23/2007 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
 Preparation: 5030B
 Dilution: 10
 Date Analyzed: 06/02/2007 0040
 Date Prepared: 06/02/2007 0040
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05369.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analysis Batch: 680-76905

Analyte	Result (ug/L)	Qualifier	RL
Acetone	<250		250
Acetonitrile	<400		400
Acrolein	<200		200
Acrylonitrile	<200		200
Benzene	330		10
Dichlorobromomethane	<10		10
Bromoforn	<10		10
Bromomethane	<10		10
Methyl Ethyl Ketone	<100		100
Carbon disulfide	<20		20
Carbon tetrachloride	1400		10
Chlorobenzene	14		10
Chloroethane	<10		10
Chloroform	130		10
Chloromethane	<10		10
2-Chloro-1,3-butadiene	<10		10
3-Chloro-1-propene	<10		10
Chlorodibromomethane	<10		10
1,2-Dibromo-3-Chloropropane	<10		10
Ethylene Dibromide	<10		10
Dibromomethane	<10		10
trans-1,4-Dichloro-2-butene	<20		20
Dichlorodifluoromethane	<10		10
1,1-Dichloroethane	<10		10
1,2-Dichloroethane	<10		10
1,1-Dichloroethene	<10		10
cis-1,2-Dichloroethene	<10		10
trans-1,2-Dichloroethene	<10		10
1,2-Dichloropropane	<10		10
cis-1,3-Dichloropropene	<10		10
trans-1,3-Dichloropropene	<10		10
Ethylbenzene	<10		10
Ethyl methacrylate	<10		10
2-Hexanone	<100		100
Iodomethane	<50		50
Isobutanol	<400		400
Methacrylonitrile	<200		200
Methylene Chloride	<50		50
Methyl methacrylate	<10		10
methyl isobutyl ketone	<100		100
Pentachloroethane	<50		50
Propionitrile	<200		200
Styrene	<10		10

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-FD2-052107

Lab Sample ID: 680-26920-10

Client Matrix: Water

Date Sampled: 05/21/2007 0000

Date Received: 05/23/2007 0900

Method: 8260B Analysis Batch: 680-76905 Instrument ID: GC/MS Volatiles - O

Preparation: 5030B Lab File ID: 05369.d

Dilution: 10 Initial Weight/Volume: 5 mL

Date Analyzed: 06/02/2007 0040 Final Weight/Volume: 5 mL

Date Prepared: 06/02/2007 0040

8260B Volatile Organic Compounds by GC/MS

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	<10		10
1,1,2-Tetrachloroethane	<10		10
Tetrahydroethene	<10		10
Toluene	<10		10
1,1,1-Trichloroethane	<10		10
1,1,2-Trichloroethane	<10		10
Trichloroethene	<10		10
Trichlorofluoromethane	<10		10
1,2,3-Trichloropropane	<10		10
Vinyl acetate	<20		20
Vinyl chloride	<10		10
Xylenes, Total	<20		20
Surrogate	%Rec	Acceptance Limits	
4-Bromofluorobenzene	103	77 - 120	
Dibromofluoromethane	106	75 - 123	
Toluene-d8 (Sur)	105	79 - 122	

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-TB4-052207

Lab Sample ID: 680-26920-11

Client Matrix: Water

Date Sampled: 05/22/2007 0000

Date Received: 05/23/2007 0900

Instrument ID: GC/MS Volatiles - O

Lab File ID: 05335.d

Initial Weight/Volume: 5 mL

Final Weight/Volume: 5 mL

Method: 8260B

Preparation: 5030B

Dilution: 1.0

Date Analyzed: 06/01/2007 1218

Date Prepared: 06/01/2007 1218

8260B Volatile Organic Compounds by GC/MS

Analysis Batch: 680-76575

Analyte	Result (ug/L)	Qualifier	RL
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Acetone	<25		25
Acetonitrile	<40		40
Acrolein	<20		20
Acrylonitrile	<20		20
Benzene	<1.0		1.0
Dichlorobromomethane	<1.0		1.0
Bromofom	<1.0		1.0
Bromomethane	<1.0		1.0
Methyl Ethyl Ketone	<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
Isobutanol	<40		40
Methacrylonitrile	<20		20
Methylene Chloride	<5.0		5.0
Methyl methacrylate	<1.0		1.0
Methyl isobutyl ketone	<10		10
Pentachloroethane	<5.0		5.0
Propionitrile	<20		20
Styrene	<1.0		1.0

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-TB4-052207

Lab Sample ID: 680-26920-11

Client Matrix: Water

Date Received: 05/23/2007 0900

Date Sampled: 05/22/2007 0000

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
 Preparation: 5030B
 Dilution: 1.0
 Date Analyzed: 06/01/2007 1218
 Date Prepared: 06/01/2007 1218
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05335.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analysis Batch: 680-76575

Analyte	Result (ug/L)	Qualifier	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	103	77 - 120	
Dibromofluoromethane	107	75 - 123	
Toluene-d8 (Sur)	103	79 - 122	

Analytical Data

Client: Eco-Systems Inc

Client Sample ID: HER-TB5-052207

Lab Sample ID: 680-26920-12

Client Matrix: Water

Date Sampled: 05/22/2007 0000

Date Received: 05/23/2007 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
 Preparation: 5030B
 Dilution: 1.0
 Date Analyzed: 06/01/2007 1248
 Date Prepared: 06/01/2007 1248
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05337.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analysis Batch: 680-76575

Analyte	Result (ug/L)	Qualifier	RL
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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
Methyl Ethyl Ketone	<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
Isobutanol	<40		40
Methacrylonitrile	<20		20
Methylene Chloride	<5.0		5.0
Methyl methacrylate	<1.0		1.0
methyl isobutyl ketone	<10		10
Pentachloroethane	<5.0		5.0
Propionitrile	<20		20
Styrene	<1.0		1.0

Client: Eco-Systems Inc
 Job Number: 680-26920-1

Client Sample ID: HER-TB5-052207

Lab Sample ID: 680-26920-12

Client Matrix: Water

Date Sampled: 05/22/2007 0000

Date Received: 05/23/2007 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B
 Preparation: 5030B
 Dilution: 1.0
 Date Analyzed: 06/01/2007 1248
 Date Prepared: 06/01/2007 1248
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05337.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analysis Batch: 680-76575

Analyte	Result (ug/L)	Qualifier	RL
1,1,1,2-Tetrachloroethane	<1.0	*	1.0
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	104	77 - 120	
Dibromofluoromethane	109	75 - 123	
Toluene-d8 (Sum)	102	79 - 122	

Analytical Data	
Client: Eco-Systems Inc	Job Number: 680-26920-1
Client Sample ID: HER-MW07-052107	Date Sampled: 05/21/2007 1105
Lab Sample ID: 680-26920-1	Date Received: 05/23/2007 0900
Client Matrix: Water	
RSK-175 Dissolved Gases in Water	
Method: RSK-175	Instrument ID: GC Volatiles - U FID
Preparation: N/A	Lab File ID: U3871.D
Dilution: 1.0	Initial Weight/Volume: 1000 uL
Date Analyzed: 05/29/2007 1119	Final Weight/Volume: 1 uL
Date Prepared: N/A	Injection Volume: PRIMARY
Column ID: PRIMARY	Analysis Batch: 680-76766
Analyte: Methane	Result (ug/L): 6.2
Qualifier: RL	Result (ug/L): 0.19

Client: Eco-Systems Inc
 Job Number: 680-26920-1

Client Sample ID: HER-MW08-052207
 Lab Sample ID: 680-26920-2
 Client Matrix: Water
 Date Sampled: 05/22/2007 1010
 Date Received: 05/23/2007 0900

RSK-175 Dissolved Gases in Water

Method: RSK-175
 Analysis Batch: 680-76144
 Instrument ID: GC Volatiles - U TCD
 Lab File ID: U3859.D
 Preparation: N/A
 Dilution: 1.0
 Date Analyzed: 05/25/2007 1525
 Date Prepared: N/A
 Initial Weight/Volume: N/A
 Final Weight/Volume: 1000 uL
 Injection Volume: 1 uL
 Column ID: PRIMARY
 Qualifier: RL
 Result (ug/L): 2300
 Analyte: Methane
 RL 0.19

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-MW09-052207

Lab Sample ID: 680-26920-3

Client Matrix: Water

Date Sampled: 05/22/2007 0810

Date Received: 05/23/2007 0900

RSK-175 Dissolved Gases in Water

Method:	RSK-175	Analysis Batch: 680-76144	Instrument ID:	GC Volatiles - U TCD
Preparation:	N/A		Lab File ID:	U3860.D
Dilution:	1.0		Initial Weight/Volume:	
Date Analyzed:	05/25/2007 1538		Final Weight/Volume:	1000 uL
Date Prepared:	N/A		Injection Volume:	1 uL
			Column ID:	PRIMARY
Analyte:	Methane	Result (ug/L):	5000	RL
		Qualifier:		0.19

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-MW13-052107

Lab Sample ID: 680-26920-4

Client Matrix: Water

Date Sampled: 05/21/2007 1550

Date Received: 05/23/2007 0900

RSK-175 Dissolved Gases in Water

Analyte	Result (ug/L)	Qualifier
Methane	2100	RL
		0.19

Method: RSK-175
 Analysis Batch: 680-76144
 Instrument ID: GC Volatiles - U TCD
 Lab File ID: U3861.D
 Initial Weight/Volume: 1000 uL
 Final Weight/Volume: N/A
 Injection Volume: 1 uL
 Column ID: PRIMARY

Date Analyzed: 05/25/2007 1555
 Dilution: 1.0
 Date Prepared: N/A
 Preparation: N/A

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-MW14-052107

Lab Sample ID: 680-26920-5

Client Matrix: Water

Date Sampled: 05/12/2007 1455

Date Received: 05/23/2007 0900

RSK-175 Dissolved Gases in Water

Method:	Preparation:	Dilution:	Date Analyzed:	Date Prepared:	Instrument ID:	Lab File ID:	Initial Weight/Volume:	Final Weight/Volume:	Injection Volume:	Column ID:	Qualifier	Result (ug/L)	Analyte
RSK-175	N/A	1.0	05/25/2007 1607	N/A	GC Volatiles - U TCD	U3862.D	1000 uL	1000 uL	1 uL	PRIMARY	RL	11000	Methane
Analysis Batch: 680-76144													

0.19

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-MW15-052107

Lab Sample ID: 680-26920-6

Client Matrix: Water

Date Sampled: 05/21/2007 1345

Date Received: 05/23/2007 0900

RSK-175 Dissolved Gases in Water

Method:	Preparation:	Dilution:	Date Analyzed:	Date Prepared:	Instrument ID:	Lab File ID:	Initial Weight/Volume:	Final Weight/Volume:	Injection Volume:	Column ID:	Qualifier	Result (ug/L)	Analyte
RSK-175	N/A	1.0	05/25/2007 1619	N/A	GC Volatiles - U TCD	U3863.D	1000 uL	1 uL	PRIMARY		RL	8500	Methane
Analysis Batch: 680-76144													

Analytical Data

Client: Eco-Systems Inc

Job Number: 680-26920-1

Client Sample ID: HER-MW16-052107

Lab Sample ID: 680-26920-7

Water

Client Matrix:

Date Sampled: 05/21/2007 1210

Date Received: 05/23/2007 0900

RSK-175 Dissolved Gases in Water

Method:	RSK-175	Analysis Batch: 680-76144	Instrument ID: GC Volatiles - U TCD
Preparation:	N/A	Lab File ID: U3864.D	
Dilution:	1.0	Initial Weight/Volume:	
Date Analyzed:	05/25/2007 1631	Final Weight/Volume:	1000 uL
Date Prepared:	N/A	Injection Volume:	1 uL
		Column ID:	PRIMARY
Analyte	Methane	Result (ug/L)	9500
		Qualifier	RL
			0.19

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

Client Sample ID: HER-MW17-052107

Lab Sample ID: 680-26920-8

Client Matrix: Water

Date Sampled: 05/22/2007 0900

Date Received: 05/23/2007 0900

RSK-175 Dissolved Gases in Water

Method:	Preparation:	Dilution:	Date Analyzed:	Date Prepared:	Instrument ID:	Lab File ID:	Initial Weight/Volume:	Final Weight/Volume:	Injection Volume:	Column ID:	Qualifier	Result (ug/L)	Analyte
RSK-175	N/A	1.0	05/25/2007 1644	N/A	GC Volatiles - U TCD	U3865.D	1000 uL	1000 uL	1 uL	PRIMARY	RL	5600	Methane
Analysis Batch: 680-76144													

0.19

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

General Chemistry

Client Sample ID: HER-MW07-052107
 Lab Sample ID: 680-26920-1
 Client Matrix: Water
 Date Sampled: 05/21/2007 1105
 Date Received: 05/23/2007 0900

Analyte	Result	Qual	Units	Date Analyzed
Chloride	6.5		mg/L	06/01/2007 1204
Phenolics, Total Recoverable	<0.050		mg/L	05/25/2007 1020
Anyly Batch: 680-76257				05/25/2007 1020
Prep Batch: 680-76256				05/25/2007 0750

Analyte	Result	Qual	Units	Date Analyzed
Alkalinity	5.6		mg/L	05/24/2007 1511
Carbon Dioxide, Free	24		B mg/L	05/24/2007 1511

Client Sample ID: HER-MW08-052207

Lab Sample ID: 680-26920-2
 Client Matrix: Water
 Date Sampled: 05/22/2007 1010
 Date Received: 05/23/2007 0900

Analyte	Result	Qual	Units	Date Analyzed
Chloride	160		mg/L	06/01/2007 1227
Phenolics, Total Recoverable	0.11		mg/L	05/25/2007 1020
Anyly Batch: 680-76257				05/25/2007 1020
Prep Batch: 680-76256				05/25/2007 0750

Analyte	Result	Qual	Units	Date Analyzed
Alkalinity	170		mg/L	05/24/2007 1517
Carbon Dioxide, Free	150		B mg/L	05/24/2007 1517

Analyte	Result	Qual	Units	Date Analyzed
Chloride	325.2		Dil Method	2.0
Phenolics, Total Recoverable	420.1		Dil Method	1.0
Alkalinity	310.1		Dil Method	1.0
Carbon Dioxide, Free	310.1		Dil Method	1.0

Analytical Data

Job Number: 680-26920-1

Client: Eco-Systems Inc

General Chemistry

Client Sample ID: HER-MW09-052207
 Lab Sample ID: 680-26920-3
 Client Matrix: Water
 Date Sampled: 05/22/2007 0810
 Date Received: 05/23/2007 0900

Analyte	Result	Qual	Units	Date Analyzed
Chloride	38		mg/L	06/01/2007 1218
Phenolics, Total Recoverable	<0.050		mg/L	05/25/2007 1020
Any Batch: 680-76257				05/25/2007 1020
Prep Batch: 680-76256				05/25/2007 0750

Analyte	Result	Qual	Units	Date Analyzed
Alkalinity	130		mg/L	05/24/2007 1523
Carbon Dioxide, Free	91	B	mg/L	05/24/2007 1523

Client Sample ID: HER-MW13-052107

Lab Sample ID: 680-26920-4
 Client Matrix: Water
 Date Sampled: 05/21/2007 1550
 Date Received: 05/23/2007 0900

Analyte	Result	Qual	Units	Date Analyzed
Chloride	9.0		mg/L	06/01/2007 1204
Phenolics, Total Recoverable	<0.050		mg/L	05/25/2007 1020
Any Batch: 680-76257				05/25/2007 1020
Prep Batch: 680-76256				05/25/2007 0750

Analyte	Result	Qual	Units	Date Analyzed
Alkalinity	140		mg/L	05/24/2007 1529
Carbon Dioxide, Free	51	B	mg/L	05/24/2007 1529

Analytical Data

Client: Eco-Systems Inc

Job Number: 680-26920-1

General Chemistry

Client Sample ID: HER-MW14-052107
 Lab Sample ID: 680-26920-5
 Client Matrix: Water
 Date Sampled: 05/21/2007 1455
 Date Received: 05/23/2007 0900

Analyte	Result	Qual	Units	RL	Dil	Method
Chloride	26		mg/L	1.0	1.0	325.2
Phenolics, Total Recoverable						
	<0.050		mg/L	0.050	1.0	420.1
Anyly Batch: 680-76257 Date Analyzed: 05/25/2007 1020						
Prep Batch: 680-76256 Date Prepared: 05/25/2007 0750						

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity	390		mg/L	1.0	1.0	310.1
Carbon Dioxide, Free						
	140	B	mg/L	1.0	1.0	310.1
Anyly Batch: 680-76056 Date Analyzed: 05/24/2007 1544						

Client Sample ID: HER-MW15-052107
 Lab Sample ID: 680-26920-6
 Client Matrix: Water
 Date Sampled: 05/21/2007 1345
 Date Received: 05/23/2007 0900

Analyte	Result	Qual	Units	RL	Dil	Method
Chloride	36		mg/L	1.0	1.0	325.2
Phenolics, Total Recoverable						
	<0.050		mg/L	0.050	1.0	420.1
Anyly Batch: 680-76257 Date Analyzed: 05/25/2007 1020						
Prep Batch: 680-76256 Date Prepared: 05/25/2007 0750						

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity	460		mg/L	1.0	1.0	310.1
Carbon Dioxide, Free						
	190	B	mg/L	1.0	1.0	310.1
Anyly Batch: 680-76056 Date Analyzed: 05/24/2007 1553						

Analytical Data

Client: Eco-Systems Inc

Job Number: 680-26920-1

General Chemistry

Client Sample ID: HER-MW16-052107
 Lab Sample ID: 680-26920-7
 Client Matrix: Water
 Date Sampled: 05/21/2007 12:10
 Date Received: 05/23/2007 09:00

Analyte	Result	Qual	Units	RL	Dil	Method
Chloride	28		mg/L	1.0	1.0	325.2

Analyte	Result	Qual	Units	RL	Dil	Method
Phenolics, Total Recoverable	<0.050		mg/L	0.050	1.0	420.1

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity	380		mg/L	1.0	1.0	310.1

Analyte	Result	Qual	Units	RL	Dil	Method
Carbon Dioxide, Free	150	B	mg/L	1.0	1.0	310.1

Client Sample ID: HER-MW17-052107
 Lab Sample ID: 680-26920-8
 Client Matrix: Water
 Date Sampled: 05/22/2007 09:00
 Date Received: 05/23/2007 09:00

Analyte	Result	Qual	Units	RL	Dil	Method
Chloride	63		mg/L	1.0	1.0	325.2

Analyte	Result	Qual	Units	RL	Dil	Method
Phenolics, Total Recoverable	0.27		mg/L	0.050	1.0	420.1

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity	270		mg/L	1.0	1.0	310.1

Analyte	Result	Qual	Units	RL	Dil	Method
Carbon Dioxide, Free	150	B	mg/L	1.0	1.0	310.1

DATA REPORTING QUALIFIERS

Client: Eco-Systems Inc

Job Number: 680-26920-1

Lab Section	Qualifier	Description
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.
	B	Compound was found in the blank and sample.
General Chemistry		

QUALITY CONTROL RESULTS

Quality Control Results

Job Number: 680-26920-1

QC Association Summary

Client: Eco-Systems Inc

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
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Analysis Batch:680-76575

LCS 680-76575/4	Lab Control Spike	T	Water	8260B	
MB 680-76575/6	Method Blank	T	Water	8260B	
680-26920-1	HER-MW07-052107	T	Water	8260B	
680-26920-1MS	Matrix Spike	T	Water	8260B	
680-26920-1MSD	Matrix Spike Duplicate	T	Water	8260B	
680-26920-2	HER-MW08-052207	T	Water	8260B	
680-26920-3	HER-MW09-052207	T	Water	8260B	
680-26920-4	HER-MW13-052107	T	Water	8260B	
680-26920-5	HER-MW14-052107	T	Water	8260B	
680-26920-6	HER-MW15-052107	T	Water	8260B	
680-26920-7	HER-MW16-052107	T	Water	8260B	
680-26920-8	HER-MW17-052107	T	Water	8260B	
680-26920-9	HER-RS3-052107	T	Water	8260B	
680-26920-11	HER-TB4-052207	T	Water	8260B	
680-26920-12	HER-TB5-052207	T	Water	8260B	

Analysis Batch:680-76905

LCS 680-76905/4	Lab Control Spike	T	Water	8260B	
MB 680-76905/5	Method Blank	T	Water	8260B	
680-26920-2DL	HER-MW08-052207	T	Water	8260B	
680-26920-4DL	HER-MW13-052107	T	Water	8260B	
680-26920-8DL	HER-MW17-052107	T	Water	8260B	
680-26920-10	HER-FD2-052107	T	Water	8260B	

Report Basis
T = Total

Quality Control Results

Client: Eco-Systems Inc

Job Number: 680-26920-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
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GC VOA

Analysis Batch:680-76144

680-26920-2	HER-MW08-052207	T	Water	RSK-175	
680-26920-3	HER-MW09-052207	T	Water	RSK-175	
680-26920-4	HER-MW13-052107	T	Water	RSK-175	
680-26920-5	HER-MW14-052107	T	Water	RSK-175	
680-26920-6	HER-MW15-052107	T	Water	RSK-175	
680-26920-7	HER-MW16-052107	T	Water	RSK-175	
680-26920-8	HER-MW17-052107	T	Water	RSK-175	
Analysis Batch:680-76766					
LCS 680-76144/8	Lab Control Spike	T	Water	RSK-175	
680-26920-2	HER-MW08-052207	T	Water	RSK-175	
680-26920-3	HER-MW09-052207	T	Water	RSK-175	
680-26920-4	HER-MW13-052107	T	Water	RSK-175	
680-26920-5	HER-MW14-052107	T	Water	RSK-175	
680-26920-6	HER-MW15-052107	T	Water	RSK-175	
680-26920-7	HER-MW16-052107	T	Water	RSK-175	
680-26920-8	HER-MW17-052107	T	Water	RSK-175	
Report Basis					
LCS 680-76766/17	Lab Control Spike	T	Water	RSK-175	
MB 680-76766/19	Method Blank	T	Water	RSK-175	
680-26920-1	HER-MW07-052107	T	Water	RSK-175	
680-26920-1MS	Matrix Spike	T	Water	RSK-175	
680-26920-1MSD	Matrix Spike Duplicate	T	Water	RSK-175	

T = Total

Quality Control Results

Job Number: 680-26920-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
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Analysis Batch: 680-76056

LCS 680-76056/3	HER-MW07-052107	T	Water	310.1	
MB 680-76056/3	Method Blank	T	Water	310.1	
680-26920-1	HER-MW07-052107	T	Water	310.1	
680-26920-2	HER-MW08-052207	T	Water	310.1	
680-26920-3	HER-MW09-052207	T	Water	310.1	
680-26920-4	HER-MW13-052107	T	Water	310.1	
680-26920-5	HER-MW14-052107	T	Water	310.1	
680-26920-6	HER-MW15-052107	T	Water	310.1	
680-26920-7	HER-MW16-052107	T	Water	310.1	
680-26920-8	HER-MW17-052107	T	Water	310.1	

Prep Batch: 680-76256

LCS 680-76256/15-AA	Lab Control Spike	T	Water	420.1	
MB 680-76256/14-AA	Method Blank	T	Water	420.1	
680-26920-1	HER-MW07-052107	T	Water	420.1	
680-26920-1MS	Matrix Spike	T	Water	420.1	
680-26920-1MSD	Matrix Spike Duplicate	T	Water	420.1	
680-26920-2	HER-MW08-052207	T	Water	420.1	
680-26920-3	HER-MW09-052207	T	Water	420.1	
680-26920-4	HER-MW13-052107	T	Water	420.1	
680-26920-5	HER-MW14-052107	T	Water	420.1	
680-26920-6	HER-MW15-052107	T	Water	420.1	
680-26920-7	HER-MW16-052107	T	Water	420.1	
680-26920-8	HER-MW17-052107	T	Water	420.1	

Analysis Batch: 680-76257

LCS 680-76256/15-AA	Lab Control Spike	T	Water	420.1	
MB 680-76256/14-AA	Method Blank	T	Water	420.1	
680-26920-1	HER-MW07-052107	T	Water	420.1	
680-26920-1MS	Matrix Spike	T	Water	420.1	
680-26920-1MSD	Matrix Spike Duplicate	T	Water	420.1	
680-26920-2	HER-MW08-052207	T	Water	420.1	
680-26920-3	HER-MW09-052207	T	Water	420.1	
680-26920-4	HER-MW13-052107	T	Water	420.1	
680-26920-5	HER-MW14-052107	T	Water	420.1	
680-26920-6	HER-MW15-052107	T	Water	420.1	
680-26920-7	HER-MW16-052107	T	Water	420.1	
680-26920-8	HER-MW17-052107	T	Water	420.1	

Quality Control Results

Client: Eco-Systems Inc

Job Number: 680-26920-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
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Analysis Batch: 680-7654

General Chemistry

680-26920-1	HER-MW07-052107	T	Water	325.2	
680-26920-1MS	Matrix Spike	T	Water	325.2	
680-26920-1MSD	Matrix Spike Duplicate	T	Water	325.2	
680-26920-2	HER-MW08-052207	T	Water	325.2	
680-26920-3	HER-MW09-052207	T	Water	325.2	
680-26920-4	HER-MW13-052107	T	Water	325.2	
680-26920-5	HER-MW14-052107	T	Water	325.2	
680-26920-6	HER-MW15-052107	T	Water	325.2	
680-26920-7	HER-MW16-052107	T	Water	325.2	
680-26920-8	HER-MW17-052107	T	Water	325.2	

Report Basis
T = Total

Quality Control Results

Job Number: 680-26920-1

Client: Eco-Systems Inc

Surrogate Recovery Report

8260B Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID Client Sample ID

Lab Sample ID	Client Sample ID	(BFB) (%Rec)	(DFM) (%Rec)	(TOL) (%Rec)
LCS 680-76575/4	104	104	114	103
LCS 680-76905/4	85	93	84	
MB 680-76575/6	104	109	102	
MB 680-76905/5	102	109	102	
680-26920-1	105	111	104	
680-26920-1 MS	99	107	95	
680-26920-1 MSD	108	116	105	
680-26920-2	106	109	103	
680-26920-2 DL	105	104	103	
680-26920-3	105	108	102	
680-26920-4	102	122	105	
680-26920-4 DL	103	105	105	
680-26920-5	104	113	105	
680-26920-6	103	111	102	
680-26920-7	102	110	101	
680-26920-8	105	122	103	
680-26920-8 DL	103	109	104	
680-26920-9	102	109	102	

Quality Control Results

Job Number: 680-26920-1

Client: Eco-Systems Inc

Surrogate Recovery Report

8260B Volatile Organic Compounds by GC/MS

Client Matrix: Water

	(BFB) (%Rec)	(DFM) (%Rec)	(TOL) (%Rec)
680-26920-10	103	106	105
HER-FD2-052107			
680-26920-11	103	107	103
HER-TB4-052207			
680-26920-12	104	109	102
HER-TB5-052207			

Surrogate	(BFB) (DFM) (TOL)	Acceptance Limits
4-Bromofluorobenzene	77 - 120	
Dibromofluoromethane	75 - 123	
Toluene-d8 (Sur)	79 - 122	

Quality Control Results

Job Number: 680-26920-1

Client: Eco-Systems Inc

Method Blank - Batch: 680-76575

Method: 8260B
 Preparation: 5030B
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: oq590.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analysis Batch: 680-76575
 Prep Batch: N/A
 Units: ug/L

Lab Sample ID: MB 680-76575/6
 Client Matrx: Water
 Dilution: 1.0
 Date Analyzed: 06/01/2007 1118
 Date Prepared: 06/01/2007 1118

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
Bromoforn	<1.0		1.0
Bromomethane	<1.0		1.0
Methyl Ethyl Ketone	<10		10
Carbon disulfide	<2.0		2.0
Carbon tetrachloride	<1.0		1.0
Chlorobenzene	<1.0		1.0
Chloroethane	<1.0		1.0
Chloroforn	<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
Isobutanol	<40		40
Methacrylonitrile	<20		20
Methylene Chloride	<5.0		5.0
Methyl methacrylate	<1.0		1.0
methyl isobutyl ketone	<10		10
Pentachloroethane	<5.0		5.0

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

Quality Control Results

Job Number: 680-26920-1

Client: Eco-Systems Inc

Method Blank - Batch: 680-76575

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 680-76575/6
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 06/01/2007 1118
 Date Prepared: 06/01/2007 1118
 Analysis Batch: 680-76575
 Prep Batch: N/A
 Units: ug/L
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: oq590.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
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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		1.0
Vinyl chloride	<1.0		2.0
Xylenes, Total	<2.0		1.0
Surrogate	% Rec	Acceptance Limits	
4-Bromofluorobenzene	104	77 - 120	
Dibromofluoromethane	109	75 - 123	
Toluene-d8 (Surr)	102	79 - 122	

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

Quality Control Results

Job Number: 680-26920-1

Method: 8260B
Preparation: 5030B

Instrument ID: GC/MS Volatiles - O
Lab File ID: 0q585.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Client: Eco-Systems Inc

Lab Control Spike - Batch: 680-76575

Lab Sample ID: LCS 680-76575/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/01/2007 0958
Date Prepared: 06/01/2007 0958

Analysis Batch: 680-76575

Prep Batch: N/A
Units: ug/L

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
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Acetone	100	125	125	20 - 183	
Benzene	50.0	47.9	96	74 - 122	
Dichlorobromomethane	50.0	50.9	102	74 - 128	
Bromofom	50.0	54.0	108	64 - 132	
Bromomethane	50.0	37.7	75	21 - 176	
Methyl Ethyl Ketone	100	129	129	51 - 142	
Carbon disulfide	50.0	59.5	119	60 - 130	
Carbon tetrachloride	50.0	42.6	85	64 - 137	
Chlorobenzene	50.0	53.9	108	75 - 123	
Chloroethane	50.0	36.7	73	40 - 171	
Chloroform	50.0	54.8	110	74 - 124	
Chloromethane	50.0	51.7	103	51 - 133	
Chlorodibromomethane	50.0	59.8	120	75 - 126	
1,2-Dibromo-3-Chloropropane	50.0	64.1	128	14 - 147	
Ethylene Dibromide	50.0	54.1	108	60 - 118	
Dibromomethane	50.0	48.5	97	70 - 130	
Dichlorodifluoromethane	50.0	49.3	99	70 - 130	
1,1-Dichloroethane	50.0	51.1	102	70 - 127	
1,2-Dichloroethane	50.0	44.6	89	68 - 130	
1,1-Dichloroethene	50.0	50.3	101	64 - 132	
cs-1,2-Dichloroethene	50.0	58.0	116	69 - 126	
trans-1,2-Dichloroethene	50.0	58.9	118	67 - 130	
1,2-Dichloropropane	50.0	49.3	99	74 - 123	
cs-1,3-Dichloropropane	50.0	51.8	104	76 - 126	
trans-1,3-Dichloropropane	50.0	52.2	104	75 - 126	
Ethylbenzene	50.0	54.9	110	77 - 123	
2-Hexanone	100	132	132	58 - 139	
Methylene Chloride	50.0	49.8	100	67 - 128	
methyl isobutyl ketone	100	120	120	62 - 130	
Styrene	50.0	58.3	117	75 - 125	
1,1,1,2-Tetrachloroethane	50.0	58.4	117	62 - 107	
1,1,2,2-Tetrachloroethane	50.0	62.7	125	71 - 127	
Tetrachloroethene	50.0	58.5	117	70 - 133	
Toluene	50.0	51.3	103	75 - 122	
1,1,1-Trichloroethane	50.0	49.5	99	70 - 132	
1,1,2-Trichloroethane	50.0	52.3	105	75 - 122	
Trichlorene	50.0	51.1	102	75 - 122	
Trichlorofluoromethane	50.0	49.7	99	74 - 165	
1,2,3-Trichloropropane	50.0	65.6	131	60 - 147	
Vinyl acetate	100	130	130	47 - 150	
Vinyl chloride	50.0	52.6	105	59 - 136	

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

Quality Control Results

Job Number: 680-26920-1

Client: Eco-Systems Inc

Lab Control Spike - Batch: 680-76575

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 680-76575/4
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 06/01/2007 0958
 Date Prepared: 06/01/2007 0958
 Analysis Batch: 680-76575
 Prep Batch: N/A
 Units: ug/L
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 0q585.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Xylenes, Total	150	166	111	77 - 121	
Surrogate		% Rec		Acceptance Limits	
4-Bromofluorobenzene		104		77 - 120	
Dibromofluoromethane		114		75 - 123	
Toluene-d8 (Sur)		103		79 - 122	

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

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

Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acetone	106	117	20 - 183	10	10	50	50
Benzene	89	98	74 - 122	9	9	30	30
Dichlorobromomethane	91	101	74 - 128	11	11	30	30
Bromoform	94	105	64 - 132	11	11	30	30
Bromomethane	55	77	21 - 176	34	34	50	50
Methyl Ethyl Ketone	102	111	51 - 142	9	9	30	30
Carbon disulfide	115	123	60 - 130	7	7	30	30
Carbon tetrachloride	81	88	64 - 137	8	8	30	30
Chlorobenzene	102	112	75 - 123	9	9	30	30
Chloroethane	72	87	40 - 171	18	18	50	50
Chloroform	105	113	74 - 124	8	8	30	30
Chloromethane	98	107	51 - 133	9	9	50	50
Chlorodibromomethane	106	120	75 - 126	12	12	30	30
1,2-Dibromo-3-Chloropropane	101	113	14 - 147	11	11	30	30
Ethylene Dibromide	94	105	60 - 118	11	11	30	30
Dibromomethane	87	97	70 - 130	12	12	30	30
Dichlorodifluoromethane	90	97	70 - 130	8	8	30	30
1,1-Dichloroethane	97	104	70 - 127	8	8	30	30
1,2-Dichloroethane	82	90	68 - 130	10	10	30	30
1,1-Dichloroethene	100	107	64 - 132	7	7	30	30
cis-1,2-Dichloroethene	110	119	69 - 126	8	8	30	30
trans-1,2-Dichloroethene	114	126	67 - 130	10	10	30	30
1,2-Dichloropropane	90	100	74 - 123	10	10	30	30
cis-1,3-Dichloropropene	91	100	76 - 126	10	10	30	30
trans-1,3-Dichloropropene	90	103	75 - 126	13	13	30	30
Ethylbenzene	104	114	77 - 123	9	9	30	30
2-Hexanone	103	117	58 - 139	13	13	30	30
Methylene Chloride	94	103	67 - 128	9	9	30	30
methyl isobutyl ketone	94	106	62 - 130	12	12	30	30

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 680-76575

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 680-26920-1
 Analysis Batch: 680-76575
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05359.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 06/01/2007 1809
 Date Prepared: 06/01/2007 1809

MSD Lab Sample ID: 680-26920-1
 Analysis Batch: 680-76575
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05361.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 06/01/2007 1838
 Date Prepared: 06/01/2007 1838

Job Number: 680-26920-1

Client: Eco-Systems Inc

Quality Control Results

Quality Control Results

Client: Eco-Systems Inc Job Number: 680-26920-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-76575

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 680-26920-1
 Analysis Batch: 680-76575
 Prep Batch: N/A
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05359.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Date Analyzed: 06/01/2007 1809
 Date Prepared: 06/01/2007 1809

MSD Lab Sample ID: 680-26920-1
 Analysis Batch: 680-76575
 Prep Batch: N/A
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: 05361.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Date Analyzed: 06/01/2007 1838
 Date Prepared: 06/01/2007 1838

Analyte	MS % Rec.	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
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Styrene	109	121	75 - 125	11	30		
1,1,1,2-Tetrachloroethane	108	122	62 - 107	12	30	F	F
1,1,2,2-Tetrachloroethane	109	122	71 - 127	11	30		
Tetrachloroethane	111	121	70 - 133	8	30		
Toluene	95	103	75 - 122	8	30		
1,1,1-Trichloroethane	92	102	70 - 132	10	30		
1,1,2-Trichloroethane	91	101	75 - 122	10	30		
Trichloroethene	96	105	75 - 122	9	30		
Trichlorofluoromethane	101	112	74 - 165	10	50		
1,2,3-Trichloropropane	112	124	60 - 147	11	30		
Vinyl acetate	107	115	47 - 150	7	30		
Vinyl chloride	103	113	59 - 136	9	50		
Xylenes, Total	107	116	77 - 121	9	30		
Surrogate	MS % Rec	MSD % Rec					
4-Bromofluorobenzene	99	108	105				77 - 120
Dibromofluoromethane	107	116	105				75 - 123
Toluene-d8 (Surr)	95	105	105				79 - 122

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

Quality Control Results

Job Number: 680-26920-1

Client: Eco-Systems Inc

Method Blank - Batch: 680-76905

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 680-76905/5
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 06/01/2007 2221
 Date Prepared: 06/01/2007 2221
 Analysis Batch: 680-76905
 Prep Batch: N/A
 Units: ug/L
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: oq601.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
Bromomethane	<1.0		1.0
Bromoform	<1.0		1.0
Methyl Ethyl Ketone	<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
Isobutanol	<40		40
Methacrylonitrile	<20		20
Methylene Chloride	<5.0		5.0
Methyl methacrylate	<1.0		1.0
Methyl isobutyl ketone	<10		10
Pentachloroethane	<5.0		5.0

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

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

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	102	77 - 120	
Dibromofluoromethane	109	75 - 123	
Toluene-d8 (Surr)	102	79 - 122	

Method Blank - Batch: 680-76905

Lab Sample ID: MB 680-76905/5
 Client Matrx: Water
 Dilution: 1.0
 Date Analyzed: 06/01/2007 2221
 Date Prepared: 06/01/2007 2221
 Analysis Batch: 680-76905
 Prep Batch: N/A
 Units: ug/L
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: oq601.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Method: 8260B
 Preparation: 5030B

Client: Eco-Systems Inc

Job Number: 680-26920-1

Quality Control Results

Quality Control Results

Job Number: 680-26920-1

Client: Eco-Systems Inc

Lab Control Spike - Batch: 680-76905

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 680-76905/4
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 06/01/2007 2106
 Date Prepared: 06/01/2007 2106
 Analysis Batch: 680-76905
 Prep Batch: N/A
 Units: ug/L
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: oq599.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte Spike Amount Result % Rec. Limit Quali

Acetone	100	94.6	95	20 - 183	
Benzene	50.0	39.3	79	74 - 122	
Dichlorobromomethane	50.0	41.8	84	74 - 128	
Bromomethane	50.0	41.2	82	64 - 132	
Bromomethane	50.0	26.0	52	21 - 176	
Methyl Ethyl Ketone	100	96.2	96	51 - 142	
Carbon disulfide	50.0	45.8	92	60 - 130	
Carbon tetrachloride	50.0	34.5	69	64 - 137	
Chlorobenzene	50.0	44.4	89	75 - 123	
Chloroethane	50.0	26.5	53	40 - 171	
Chloroform	50.0	45.4	91	74 - 124	
Chloromethane	50.0	35.3	71	51 - 133	
Chlorodibromomethane	50.0	47.4	95	75 - 126	
1,2-Dibromo-3-Chloropropane	50.0	46.6	93	14 - 147	
Ethylene Dibromide	50.0	44.3	89	60 - 118	
Dibromomethane	50.0	40.3	81	70 - 130	
Dichlorodifluoromethane	50.0	25.2	50	70 - 130	
1,1-Dichloroethane	50.0	41.8	84	70 - 127	
1,2-Dichloroethane	50.0	37.5	75	68 - 130	
1,1-Dichloroethane	50.0	39.7	79	64 - 132	
cis-1,2-Dichloroethene	50.0	48.1	96	69 - 126	
trans-1,2-Dichloroethene	50.0	48.1	96	67 - 130	
1,2-Dichloropropane	50.0	40.5	81	74 - 123	
cis-1,3-Dichloropropene	50.0	42.3	85	76 - 126	
trans-1,3-Dichloropropene	50.0	43.2	86	75 - 126	
Ethylbenzene	50.0	44.2	88	77 - 123	
2-Hexanone	100	94.9	95	58 - 139	
Methylene Chloride	50.0	41.4	83	67 - 128	
methyl isobutyl ketone	100	89.9	90	62 - 130	
Styrene	50.0	48.0	96	75 - 125	
1,1,1,2-Tetrachloroethane	50.0	47.1	94	62 - 107	
1,1,1,2,2-Tetrachloroethane	50.0	48.2	96	71 - 127	
Tetrachloroethene	50.0	45.9	92	70 - 133	
Toluene	50.0	42.0	84	75 - 122	
1,1,1-Trichloroethane	50.0	39.9	80	70 - 132	
1,1,1,2-Trichloroethane	50.0	42.4	85	75 - 122	
Trichloroethene	50.0	42.4	85	75 - 122	
Trichlorofluoromethane	50.0	38.0	76	74 - 165	
1,2,3-Trichloropropane	50.0	49.4	99	60 - 147	
Vinyl acetate	100	96.8	97	47 - 150	
Vinyl chloride	50.0	38.6	77	59 - 136	

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

Quality Control Results

Job Number: 680-26920-1

Client: Eco-Systems Inc

Lab Control Spike - Batch: 680-76905

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 680-76905/4
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 06/01/2007 21:06
 Date Prepared: 06/01/2007 21:06
 Analysis Batch: 680-76905
 Prep Batch: N/A
 Instrument ID: GC/MS Volatiles - O
 Lab File ID: oq599.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Xylenes, Total	150	136	91	77 - 121	
Surrogate			% Rec	Acceptance Limits	
4-Bromofluorobenzene		85		77 - 120	
Dibromofluoromethane		93		75 - 123	
Toluene-d8 (Surr)		84		79 - 122	

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

Quality Control Results

Job Number: 680-26920-1

Client: Eco-Systems Inc

Lab Control Spike - Batch: 680-76144

Method: RSK-175
Preparation: N/A

Lab Sample ID: LCS 680-76144/8	Analysis Batch: 680-76144	Instrument ID: GC Volatiles - U TCD
Client Matrix: Water	Prep Batch: N/A	Lab File ID: UQ1503.D
Dilution: 1.0	Units: ug/L	Initial Weight/Volume:
Date Analyzed: 05/25/2007 10:15		Final Weight/Volume: 1000 uL
Date Prepared: N/A		Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Methane	1900	1800	94	75 - 125	

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

Quality Control Results

Job Number: 680-26920-1

Client: Eco-Systems Inc

Analyte	Result	Qual	RL
Methane	<0.19		0.19
<p>Method Blank - Batch: 680-76766</p> <p>Lab Sample ID: MB 680-76766/19 Client Matrix: Water Dilution: 1.0 Date Analyzed: 05/29/2007 10:15 Date Prepared: N/A Injection Volume: 1 uL</p> <p>Instrument ID: GC Volatiles - U FID Lab File ID: UQ1512.D Initial Weight/Volume: 1000 uL Final Weight/Volume: Method: RSK-175 Preparation: N/A</p>			
<p>Lab Control Spike - Batch: 680-76766</p> <p>Lab Sample ID: LCS 680-76766/17 Client Matrix: Water Dilution: 1.0 Date Analyzed: 05/29/2007 16:55 Date Prepared: N/A Injection Volume: 1 uL</p> <p>Instrument ID: GC Volatiles - U FID Lab File ID: U3889.D Initial Weight/Volume: 1000 uL Final Weight/Volume: Method: RSK-175 Preparation: N/A</p>			

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Methane	150	157	105	75 - 125	
<p>Matrix Spike/ Duplicate Recovery Report - Batch: 680-76766</p> <p>MS Lab Sample ID: 680-26920-1 Client Matrix: Water Dilution: 1.0 Date Analyzed: 05/29/2007 13:57 Date Prepared: N/A Injection Volume: 1 uL</p> <p>MS Lab Sample ID: 680-26920-1 Client Matrix: Water Dilution: 1.0 Date Analyzed: 05/29/2007 14:09 Date Prepared: N/A Injection Volume: 1 uL</p> <p>Instrument ID: GC Volatiles - U FID Lab File ID: U3883.D Initial Weight/Volume: 1000 uL Final Weight/Volume: Method: RSK-175 Preparation: N/A</p>					

Analyte	% Rec.	Limit	MSD	MSD	RPD	RPD	MS Qual	MSD Qual
Methane	109	110	75 - 125	1	30			
<p>Matrix Spike/ Duplicate Recovery Report - Batch: 680-76766</p> <p>MSD Lab Sample ID: 680-26920-1 Client Matrix: Water Dilution: 1.0 Date Analyzed: 05/29/2007 14:09 Date Prepared: N/A Injection Volume: 1 uL</p> <p>MSD Lab Sample ID: 680-26920-1 Client Matrix: Water Dilution: 1.0 Date Analyzed: 05/29/2007 13:57 Date Prepared: N/A Injection Volume: 1 uL</p> <p>Instrument ID: GC Volatiles - U FID Lab File ID: U3884.D Initial Weight/Volume: 1000 uL Final Weight/Volume: Method: RSK-175 Preparation: N/A</p>								

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

Quality Control Results

Job Number: 680-26920-1

Client: Eco-Systems Inc

Method Blank - Batch: 680-76056	
Lab Sample ID: MB 680-76056/3	Analysis Batch: 680-76056
Client Matrix: Water	Prep Batch: N/A
Dilution: 1.0	Units: mg/L
Date Analyzed: 05/24/2007 1419	
Date Prepared: N/A	
Preparation: N/A	
Method: 310.1	
Instrument ID: Titrator	Lab File ID: N/A
Initial Weight/Volume: 25 mL	Final Weight/Volume: 25 mL
Alkalinity	Result
Carbon Dioxide, Free	<1.0
RL	1.0

Lab Control Spike - Batch: 680-76056	
Lab Sample ID: LCS 680-76056/6	Analysis Batch: 680-76056
Client Matrix: Water	Prep Batch: N/A
Dilution: 1.0	Units: mg/L
Date Analyzed: 05/24/2007 1430	
Date Prepared: N/A	
Preparation: N/A	
Method: 310.1	
Instrument ID: Titrator	Lab File ID: N/A
Initial Weight/Volume: 25 mL	Final Weight/Volume: 25 mL
Alkalinity	Spike Amount
	352
	301
	% Rec
	85
Limit	80 - 120
Qual	

Duplicate - Batch: 680-76056	
Lab Sample ID: 680-26920-4	Analysis Batch: 680-76056
Client Matrix: Water	Prep Batch: N/A
Dilution: 1.0	Units: mg/L
Date Analyzed: 05/24/2007 1536	
Date Prepared: N/A	
Preparation: N/A	
Method: 310.1	
Instrument ID: Titrator	Lab File ID: N/A
Initial Weight/Volume: 25 mL	Final Weight/Volume: 25 mL
Alkalinity	Sample Result/Qual
	140
	140
	Result
	51.7
Limit	30
Qual	30

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

Quality Control Results

Job Number: 680-26920-1

Client: Eco-Systems Inc

Method Blank - Batch: 680-76654

Method: 325.2
Preparation: N/A

Lab Sample ID: MB 680-76654/1
 Analysis Batch: 680-76654
 Instrument ID: Konelab1
 Lab File ID: N/A
 Prep Batch: N/A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 06/01/2007 1156
 Date Prepared: N/A
 Initial Weight/Volume: 2 mL
 Final Weight/Volume: 2 mL

Analyte Chloride
 Result <1.0
 Qual RL

Lab Control Spike - Batch: 680-76654

Method: 325.2
Preparation: N/A

Lab Sample ID: LCS 680-76654/7
 Analysis Batch: 680-76654
 Instrument ID: Konelab1
 Lab File ID: N/A
 Prep Batch: N/A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 06/01/2007 1159
 Date Prepared: N/A
 Initial Weight/Volume: 2 mL
 Final Weight/Volume: 2 mL

Analyte Chloride
 Spike Amount 50.0
 Result 46.9
 % Rec. 94
 Limit 85 - 115
 Qual

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-76654

Method: 325.2
Preparation: N/A

MS Lab Sample ID: 680-26920-1
 Analysis Batch: 680-76654
 Instrument ID: Konelab1
 Lab File ID: N/A
 Prep Batch: N/A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 06/01/2007 1159
 Date Prepared: N/A
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

MSD Lab Sample ID: 680-26920-1
 Analysis Batch: 680-76654
 Instrument ID: Konelab1
 Lab File ID: N/A
 Prep Batch: N/A
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 06/01/2007 1159
 Date Prepared: N/A
 Initial Weight/Volume: 10 mL
 Final Weight/Volume: 10 mL

Analyte Chloride
 % Rec. MS MSD
 Limit 91 85 - 115
 RPD RPD
 MS Qual MSD Qual
 1 30

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

Quality Control Results

Client: Eco-Systems Inc Job Number: 680-26920-1

Method Blank - Batch: 680-76256

Method: 420.1
Preparation: Distill/Phenol

Lab Sample ID: MB 680-76256/14-AA
 Analysis Batch: 680-76257
 Prep Batch: 680-76256
 Lab File ID: N/A
 Instrument ID: No Equipment Assigned
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 05/25/2007 1020
 Date Prepared: 05/25/2007 0750
 Initial Weight/Volume: 100 mL
 Final Weight/Volume: 100 mL

Phenolics, Total Recoverable

Analyte Result Qual
 <0.050
 RL

Lab Control Spike - Batch: 680-76256

Method: 420.1
Preparation: Distill/Phenol

Lab Sample ID: LCS 680-76256/15-AA
 Analysis Batch: 680-76257
 Prep Batch: 680-76256
 Lab File ID: N/A
 Instrument ID: No Equipment Assigned
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 05/25/2007 1020
 Date Prepared: 05/25/2007 0750
 Initial Weight/Volume: 100 mL
 Final Weight/Volume: 100 mL

Phenolics, Total Recoverable

Analyte Spike Amount Result % Rec. Qual
 0.250 0.235 94
 0.250 0.235 94

Matrix Spike Duplicate Recovery Report - Batch: 680-76256

Method: 420.1
Preparation: Distill/Phenol

MS Lab Sample ID: 680-26920-1
 Analysis Batch: 680-76257
 Prep Batch: 680-76256
 Lab File ID: N/A
 Instrument ID: No Equipment Assigned
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 05/25/2007 1020
 Date Prepared: 05/25/2007 0750
 Initial Weight/Volume: 100 mL
 Final Weight/Volume: 100 mL

MSD Lab Sample ID: 680-26920-1
 Analysis Batch: 680-76257
 Prep Batch: 680-76256
 Lab File ID: N/A
 Instrument ID: No Equipment Assigned
 Client Matrix: Water
 Dilution: 1.0
 Date Analyzed: 05/25/2007 1020
 Date Prepared: 05/25/2007 0750
 Initial Weight/Volume: 100 mL
 Final Weight/Volume: 100 mL

Phenolics, Total Recoverable

Analyte % Rec. MSD MSD Limit RPD RPD Limit MS Qual MSD Qual
 87 93 75 - 125 7 30

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

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD



STL

STL Savannah
5102 LaRoche Avenue
Savannah, GA 31404

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

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)	MATRIX TYPE	REQUIRED ANALYSIS		PAGE	OF
				STANDARD REPORT DELIVERY	EXPEDITED REPORT DELIVERY (SURCHARGE)		
HER25030		MS			1	1	
STL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.					
Lidia Gaudiza	4500411597						
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX					
Tim Hassett	302-995-3456						
CLIENT NAME	CLIENT E-MAIL						
Hercules Inc							
CLIENT ADDRESS							
COMPANY CONTRACTING THIS WORK (if applicable)							
NONAQUEOUS LIQUID (OIL, SOLVENT...)							
AIR							
SOLID OR SEMISOLID							
AQUEOUS (WATER)							
COMPOSITE (C) OR GRAB (G) INDICATE							
SAMPLE		SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED			
DATE	TIME						REMARKS
05-21-07	1105	HER-MN07-052107	(MS/MSD)	9	3	1	
05-22-07	1010	HER-MN08-052207		3	3	1	
05-22-07	0810	HER-MN09-052207		3	3	1	
05-21-07	1550	HER-MN13-052107		3	3	1	
05-21-07	1455	HER-MN14-052107		3	3	1	
05-21-07	1345	HER-MN15-052107		3	3	1	
05-21-07	1210	HER-MN16-052107		3	3	1	
05-22-07	0900	HER-MN17-052207		3	3	1	
05-21-07	1045	HER-RS3-052107		3	3	1	
05-21-07	—	HER-FD2-052107		3	3	1	
LAB		HER-TB4-052207		3	3	1	
LAB		HER-TBS-052207		3	3	1	
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE
				05-22-07	1125		
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE

TEMP. 5.6 / 3.9

LABORATORY USE ONLY			
RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	TIME	CUSTOMY INTACT YES NO
<i>[Signature]</i>	052307	0900	YES <input type="radio"/> NO <input type="radio"/>
CUSTOMY SEAL NO.	STL SAVANNAH LOG NO.	LABORATORY REMARKS	
	48026920		

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Eco-Systems Inc

Job Number: 680-26920-1

Login Number: 26920

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
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 MSMSDs	True	
VQA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	False	See narrative for exceptions.
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	NA	
Samples do not require splitting or compositing.	NA	

Bonner Analytical Testing Company



2703 Oak Grove Road, Hattiesburg, MS 39402
Phone: (601) 264-2854 Fax: (601) 268-7084

CASE NARRATIVE: Hercules

HPLC Analysis

A water sample, designated "HER-MW04-051807", was collected by the client on 05/18/07 at 0835 hours, and was received at BATCO at 1515 hours on the same day. The sample was given the BATCO identification number BT63441.

Analysis for dioxathion content was requested.

The sample was extracted on 05/25/07 at 0800 hours, according to EPA SW-846, Method 3510C, and analyzed on 06/02/07 at 2159 hours utilizing a high-pressure liquid chromatograph, Hewlett Packard Model 1090 Series II with diode array detector. Quantitation was performed with reference to a five-point calibration in the range 0.4 – 20 ppm for each of the dioxathion isomers.

Due to the concentration of dioxenethion exceeding the level for the high point of the calibration curve, a 1:3 dilution was performed, and the sample was re-analyzed.

The calculated concentrations of dioxathion in the sample were:

Target Analyte	Concentration (ppb)
Dioxenethion	47.4
Dioxathion (cis-isomer)	ND
Dioxathion (trans-isomer)	ND

Authorized by:

Michael S. Bonner, Ph.D.

BONNER ANALYTICAL TESTING COMPANY
QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
DIOXATHION/ DIOXENETHION HPLC ANALYSIS DATA

Client: **HERCULES** Collected: **05/18/07** 8:35 CHRT
 Sample ID: **HERFW09-051807** Extraction: **05/29/07** 8:00 ADR/DKA
 File #: **BT3241** Analyzed: **06/02/07** 21:52 ASB
 Date Analyst

Sample Type: **Water**
 Extraction Method: **SHR06_3510C**
 Analysis Method: **ES008B_SHR06**

COMPOUNDS	PQL ug/L (ppb)	SAMPLE			METHOD BLANK			LAB CONTROL			MATRIX SPIKE			MATRIX SPIKE DUPLICATE		
		Detected Amount ug/L (ppb)	Spiked Amount ug/L	% Recovery	Detected Amount ug/L (ppb)	Spiked Amount ug/L	% Recovery	Detected Amount ug/mL (ppm)	Spiked Amount ug/mL	% Recovery	Detected Amount ug/mL (ppm)	Spiked Amount ug/mL	% Recovery	Detected Amount ug/mL (ppm)	Spiked Amount ug/mL	% Recovery
Dioxenethion	0.400	47.43			ND		6.28	5.00	125.6	29.78	5.00	595.6	40.17	5.00	803.4	
Dioxathion (cis)	0.400	ND			ND		3.88	5.00	77.6	0.00	5.00	0.0	0.00	5.00	0.0	
Dioxathion (trans)	0.400	ND			ND		4.13	5.00	82.6	0.00	5.00	0.0	5.15	5.00	103.0	
SUBROGATE COMPOUNDS																
Naphthalene		4.65	5.00	93.0	1.89	5.00	37.8	2.51	5.00	50.2	1.80	5.00	36.0	3.35	5.00	67.0

Certified by:  **Richard S. Bonner, Ph.D.**
BONNER ANALYTICAL TESTING COMPANY

Bonner Analytical Testing Company



2703 Oak Grove Road, Hattiesburg, MS 39402
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CASE NARRATIVE: Hercules

HPLC Analysis

A water sample, designated "HER-MW08-052207", was collected by the client on 05/22/07 at 1010 hours, and was received at BATCO at 1115 hours on the same day. The sample was given the BATCO identification number BT63478.

Analysis for dioxathion content was requested.

The sample was extracted on 05/25/07 at 0800 hours, according to EPA SW-846, Method 3510C, and analyzed on 06/02/07 at 2225 hours utilizing a high-pressure liquid chromatograph, Hewlett Packard Model 1090 Series II with diode array detector. Quantitation was performed with reference to a five-point calibration in the range 0.4 - 20 ppm for each of the dioxathion isomers.

Due to the concentration of dioxathion exceeding the level for the high point of the calibration curve, a 1:30 dilution was performed, and the sample was re-analyzed.

The calculated concentrations of dioxathion in the sample were:

Target Analyte	Concentration (ppb)
Dioxathion	561
Dioxathion (cis-isomer)	18.2
Dioxathion (trans-isomer)	8.80

Authorized by:

Michael S. Bonner, PhD.

BONNER ANALYTICAL TESTING COMPANY
QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
 DIOXATHION/ DIORETHETION HPLC ANALYSIS DATA

Client: HERCULES
 Sample ID: HER-MW08-05207
 File #: 8153478

Collected: 05/22/07 10:10
 Extracted: 05/25/07 8:00
 Analyzed: 06/02/07 22:25
 Date

Client: ASH/DGA
 Analyst: ACB

Sample Type: Water
 Extraction Method: SW86-3510C
 Analysis Method: MODISM SW86

COMPOUNDS	PQL ug/L (ppb)	SAMPLE			METHOD BLANK			LAB CONTROL			MATRIX SPIKE			MATRIX SPIKE DUPLICATE		
		Detected Amount (ppb)	Spiked Amount ug/L	% Recovery	Detected Amount (ppb)	Spiked Amount ug/L	% Recovery	Detected Amount (ppm)	Spiked Amount ug/mL	% Recovery	Detected Amount (ppm)	Spiked Amount ug/mL	% Recovery	Detected Amount (ppm)	Spiked Amount ug/mL	% Recovery
Dioethethion	0.400	560.81			ND		6.28	5.00	125.6	29.78	5.00	595.6	40.17	5.00	803.4	
Dioethethion (CS)	0.400	18.20			ND		3.88	5.00	77.6	0.00	5.00	0.0	0.00	5.00	0.0	
Dioxathion (trans)	0.400	8.83			ND		4.13	5.00	82.6	0.00	5.00	0.0	5.15	5.00	103.0	
SURROGATE COMPOUNDS																
Naphthalene		4.65	5.00	93.0	1.89	5.00	37.8	2.51	5.00	50.2	1.80	5.00	36.0	3.35	5.00	67.0

Certified by: 
 Michael S. Bonner, Ph.D.
 BONNER ANALYTICAL TESTING COMPANY

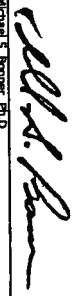
BONNER ANALYTICAL TESTING COMPANY
QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
DIOXETHION DIOXETHION PRLC ANALYSIS DATA

Client: HERCULES
 Sample ID: HERENV13052407
 File #: 2183173

Collected: 08/21/07 15:50
 Extracted: 08/21/07 8:00
 Analyzed: 08/22/07 22:51
 Date: _____

Client: AGRUDCA
 Sample Type: Water
 Extraction Method: SW846 3510C
 Analysis Method: Modified SW846

COMPOUNDS	PRLC Amount ug/L (ppb)	SAMPLE		METHOD BLANK		LAB CONTROL		MATRIX SPIKE		MATRIX SPIKE DUPLICATE	
		Detected Amount ug/L (ppb)	Spike Amount ug/L	Detected Amount ug/L (ppb)	Spike Amount ug/L	Detected Amount ug/mL (ppm)	Spike Amount ug/mL	Detected Amount ug/mL (ppm)	Spike Amount ug/mL	Detected Amount ug/mL (ppm)	Spike Amount ug/mL
Dioxethion	0.400	29.73		ND		6.28	5.00	29.78	5.00	40.17	5.00
Dioxethion (ds)	0.400	ND		ND		3.88	5.00	0.00	5.00	0.00	5.00
Dioxethion (Trans)	0.400	ND		ND		4.13	5.00	0.00	5.00	5.15	5.00
SURROGATE COMPOUNDS											
Naphthalene		2.79	5.00	1.89	5.00	2.51	5.00	1.80	5.00	3.35	5.00

Certified by: 
 Michael S. Bonner, Ph.D.
 BONNER ANALYTICAL TESTING COMPANY

Bonner Analytical Testing Company



2703 Oak Grove Road, Hattiesburg, MS 39402
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CASE NARRATIVE: Hercules

HPLC Analysis

A water sample, designated "HER-MW14-052107" was collected by the client on 05/21/07 at 1455 hours, and was received at BATCO on 05/22/07 at 1115 hours. The sample was given the BATCO identification number BT63480.

Analysis for dioxathion content was requested.

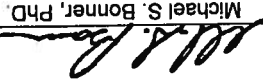
The sample was extracted on 05/25/07 at 0800 hours, according to EPA SW-846, Method 3510C, and analyzed on 06/02/07 at 2317 hours utilizing a high-pressure liquid chromatograph, Hewlett Packard Model 1090 Series II with diode array detector. Quantitation was performed with reference to a five-point calibration in the range 0.4 – 20 ppm for each of the dioxathion isomers.

Due to the concentration of dioxathion exceeding the level for the high point of the calibration curve, a 1:3 dilution was performed, and the sample was re-analyzed.

The calculated concentrations of dioxathion in the sample were:

Target Analyte	Concentration (ppb)
Dioxathion	32.0
Dioxathion (cis-isomer)	ND
Dioxathion (trans-isomer)	ND

Authorized by:


Michael S. Bonner, PhD.

BONNER ANALYTICAL TESTING COMPANY
 QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
 DIOXATHIOW/ DIOXENETHION HPLC ANALYSIS DATA

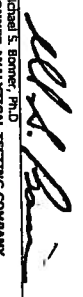
Client: HERCULES
 Sample ID: HERANR14-05310Z
 File #: 8103480

Collected: 05/21/07 14:55
 Extracted: 05/25/07 8:00
 Analyzed: 06/02/07 23:17
 Date

Client: ARI/USA
 AGI
 Analyst

Sample Type: Water
 Extraction Method: SV9246_3510C
 Analysis Method: Modified SV9246

COMPOUNDS	POL Amount ug/L (ppb)	SAMPLE		METHOD BLANK		LAB CONTROL		MATRIX SPIKE		MATRIX SPIKE DUPLICATE			
		Detected Amount ug/L (ppb)	Spike Amount ug/L Recovery %	Detected Amount ug/L (ppb)	Spike Amount ug/L Recovery %	Detected Amount ug/L (ppm)	Spike Amount ug/L Recovery %	Detected Amount ug/L (ppm)	Spike Amount ug/L Recovery %	Detected Amount ug/L (ppm)	Spike Amount ug/L Recovery %		
Dioxenethion	0.400	32.05	ND	ND	ND	5.00	125.6	29.78	5.00	40.17	5.00	803.4	
Dioxathion (cs)	0.400	ND	ND	ND	ND	5.00	77.6	0.00	5.00	0.00	5.00	0.0	
Dioxathion (trans)	0.400	ND	ND	ND	ND	5.00	82.6	0.00	5.00	0.0	5.00	5.15	
SURROGATE COMPOUNDS		Detected Amount	Spike Amount	Detected Amount	Spike Amount	Detected Amount	Spike Amount	Detected Amount	Spike Amount	Detected Amount	Spike Amount	Detected Amount	Spike Amount
Naphthalene		4.34	5.00	1.89	5.00	2.51	5.00	1.80	5.00	3.35	5.00	3.35	5.00
			90.8		37.8		90.2		36.0		67.0		67.0

Certified by: 
 Michael S. Bonner, Ph.D.
 BONNER ANALYTICAL TESTING COMPANY

Bonner Analytical Testing Company



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CASE NARRATIVE: Hercules

HPLC Analysis

A water sample, designated "HER-MMV15-052107", was collected by the client on 05/21/07 at 1345 hours, and was received at BATCO on 05/22/07 at 1115 hours. The sample was given the BATCO identification number BT63481.

Analysis for dioxathion content was requested.

The sample was extracted on 05/25/07 at 0800 hours, according to EPA SW-846, Method 3510C, and analyzed on 06/02/07 at 2342 hours utilizing a high-pressure liquid chromatograph, Hewlett Packard Model 1090 Series II with diode array detector. Quantitation was performed with reference to a five-point calibration in the range 0.4 - 20 ppm for each of the dioxathion isomers.

No dioxathion was detected in the sample.

Authorized by: _____
Michael S. Bonner, Ph.D.

BONNIER ANALYTICAL TESTING COMPANY
QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
DIOXATHIOW DIOXENETHION HPLC ANALYSIS DATA

Client: HERQILES Collected: 09/21/07 13:45 Client: AS/MS/DA Sample Type: Water
 Sample ID: HER-HW15-092107 Estimated: 09/25/07 8:00 AS/MS/DA Extraction Method: SVR46_3310C
 File #: BTB3491 Analyzed: 06/02/07 23:42 AS/MS/DA Analysis Method: Modified SVR45
 Date: _____

COMPOUNDS	PQL ug/L (ppb)	SAMPLE			METHOD BLANK			LAB CONTROL			MATRIX SPIKE			MATRIX SPIKE DUTY DATE			
		Detected Amount ug/L (ppb)	Spiked Amount ug/L	% Recovery	Detected Amount ug/L (ppb)	Spiked Amount ug/L	% Recovery	Detected Amount ug/mL (ppm)	Spiked Amount ug/mL	% Recovery	Detected Amount ug/mL (ppm)	Spiked Amount ug/mL	% Recovery	Detected Amount ug/mL (ppm)	Spiked Amount ug/mL	% Recovery	
Dioxenethion	0.400	ND			ND			5.00	5.00	125.6	29.78	5.00	595.6	5.00	40.17	5.00	803.4
Dioxathion (ds)	0.400	ND			ND			5.00	5.00	77.6	0.00	5.00	0.0	5.00	0.00	5.00	0.0
Dioxathion (trans)	0.400	ND			4.13			5.00	5.00	82.6	0.00	5.00	0.0	5.15	5.00	5.00	103.0
SURROGATE COMPOUNDS																	
Naphthalene		4.64	5.00	92.8	1.99	5.00	37.8	2.51	5.00	50.2	1.80	5.00	36.0	3.35	5.00	5.00	67.0

Certified by: 
 Michael S. Bonner, FID
 BONNIER ANALYTICAL TESTING COMPANY

Bonner Analytical Testing Company



2703 Oak Grove Road, Hattiesburg, MS 39402
Phone: (601) 284-2854 Fax: (601) 288-7084

CASE NARRATIVE: Hercules

HPLC Analysis

A water sample, designated "HER-MW16-052107", was collected by the client on 05/21/07 at 1210 hours, and was received at BATCO on 05/22/07 at 1115 hours. The sample was given the BATCO identification number BT63482.

Analysis for dioxathion content was requested.

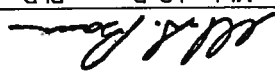
The sample was extracted on 05/25/07 at 0800 hours, according to EPA SW-846, Method 3510C, and analyzed on 06/03/07 at 0022 hours utilizing a high-pressure liquid chromatograph, Hewlett Packard Model 1090 Series II with diode array detector. Quantitation was performed with reference to a five-point calibration in the range 0.4 - 20 ppm for each of the dioxathion isomers.

Due to the concentration of dioxathion exceeding the level for the high point of the calibration curve, a 1:2 dilution was performed, and the sample was re-analyzed.

The calculated concentrations of dioxathion in the sample were:

Target Analyte	Concentration (ppb)
Dioxathion	22.2
Dioxathion (cis-isomer)	ND
Dioxathion (trans-isomer)	ND

Authorized by:


Michael S. Bonner, PhD.

BONNER ANALYTICAL TESTING COMPANY
QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
DIOXATHIOW DIOXETHIOW HPLC ANALYSIS DATA

Client: HERCULES
 Sample ID: HER-MW16-02107
 File #: ET63482

Collected: 05/21/07 12:10
 Extended: 05/25/07 8:00
 Analyzed: 06/03/07 0:22
 Date

Client: ASD/DGSA
 AGM
 Analyst

Sample Type: Water
 Extraction Method: SW946_3310C
 Analysis Method: Modified SW946

COMPOUNDS	PQL ug/L (ppb)	SAMPLE		METHOD BLANK		LAB CONTROL		MATRIX SPINE		MATRIX SPINE DUPLICATE					
		Detected Amount ug/L (ppb)	Spiked Amount ug/L	% Recovery	Detected Amount ug/L (ppb)	Spiked Amount ug/L	% Recovery	Detected Amount ug/mL	Spiked Amount ug/mL	% Recovery	Detected Amount ug/mL (ppm)	Spiked Amount ug/mL	% Recovery		
Dioxethiow	0.400	22.16			ND		6.28	5.00	125.6	29.78	5.00	595.6	40.17	5.00	803.4
Dioxathiow (CS)	0.400	ND			ND		3.88	5.00	77.6	0.00	5.00	0.0	0.00	5.00	0.0
Dioxathiow (trans)	0.400	ND			ND		4.13	5.00	82.6	0.00	5.00	0.0	5.15	5.00	103.0
SURROGATE COMPOUNDS															
Naphthalene		2.22	5.00	44.4	1.89	5.00	2.51	5.00	50.2	1.80	5.00	36.0	3.35	5.00	67.0

Certified by: 
 Michael S. Bonner, Ph.D.
 BONNER ANALYTICAL TESTING COMPANY

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CASE NARRATIVE: Hercules

HPLC Analysis

A water sample, designated "HER-MW17-052207", was collected by the client on 05/22/07 at 0900, and was received at BATCO at 1115 hours on the same day. The sample was given the BATCO identification number BT63483.

Analysis for dioxathion content was requested.

The sample was extracted on 05/25/07 at 0800 hours, according to EPA SW-846, Method 3510C, and analyzed on 06/03/07 at 0140 hours utilizing a high-pressure liquid chromatograph, Hewlett Packard Model 1090 Series II with diode array detector. Quantitation was performed with reference to a five-point calibration in the range 0.4 – 20 ppm for each of the dioxathion isomers.

Due to the concentration of dioxathion exceeding the level for the high point of the calibration curve, a 1:10 dilution was performed, and the sample was re-analyzed. The analysis of the 1:10 diluted sample extract showed that an artefact of the detector, probably caused by detector saturation due to the extremely high dioxathion content, had resulted in an initial quantitation that was too low. The sample was then diluted 1:250, and a second re-analysis performed.

The calculated concentrations of dioxathion in the sample were:

Target Analyte	Concentration (ppb)
Dioxathion	4870
Dioxathion (cis-isomer)	62.7
Dioxathion (trans-isomer)	ND

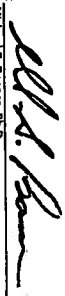
Authorized by:

Michael S. Bonner, Ph.D.

BONNIER ANALYTICAL TESTING COMPANY
QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
DICHAETHION/ DICHAETHION HPLC ANALYSIS DATA

Client: **HERCULES** Collected: **05/22/07** 8:00 Client: **AGM/DGA** Sample Type: **Water**
 Sample ID: **HER-0417-952207** Expected: **05/25/07** 8:00 AGM Extraction Method: **SV816_3510C**
 File #: **BT3443** Analyzed: **06/03/07** 1:40 Analyst Analysis Method: **Modified SV846**

COMPOUNDS	PQL ug/L (ppb)	SAMPLE			METHOD BLANK			LAB CONTROL			MATRIX SPIKE			MATRIX SPIKE DURETATE		
		Detected Amount ug/L (ppb)	Spiked Amount ug/L	% Recovery	Detected Amount ug/L (ppb)	Spiked Amount ug/L	% Recovery	Detected Amount ug/mL (ppm)	Spiked Amount ug/mL	% Recovery	Detected Amount ug/mL (ppm)	Spiked Amount ug/mL	% Recovery	Detected Amount ug/mL (ppm)	Spiked Amount ug/mL	% Recovery
Dicathion	0.400	4873.32			ND		6.28	5.00	125.6	29.78	5.00	595.6	40.17	5.00	803.4	
Dicathion (ds)	0.400	62.71			ND		3.88	5.00	77.6	0.00	5.00	0.0	0.00	5.00	0.0	
Dicathion (trans)	0.400	ND			ND		4.13	5.00	82.6	0.00	5.00	0.0	5.15	5.00	103.0	
SURROGATE COMPOUNDS																
Naphthalene		4.87	5.00	97.4	1.89	5.00	37.8	2.51	5.00	50.2	1.80	5.00	36.0	3.35	5.00	67.0

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CASE NARRATIVE: Hercules

HPLC Analysis

A water sample, designated "HER-FD2-052107", was collected by the client on 05/21/07, and was received at BATCO on 05/22/07 at 11 15 hours. The sample was given the BATCO identification number BT63484.

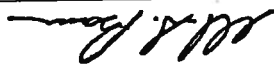
Analysis for dioxathion content was requested.

The sample was extracted on 05/25/07 at 0800 hours, according to EPA SW-846, Method 3510C, and analyzed on 06/03/07 at 0205 hours utilizing a high-pressure liquid chromatograph, Hewlett Packard Model 1090 Series II with diode array detector. Quantitation was performed with reference to a five-point calibration in the range 0.4 – 20 ppm for each of the dioxathion isomers.

Due to the concentration of dioxathion exceeding the level for the high point of the calibration curve, a 1:2 dilution was performed, and the sample was re-analyzed.

The calculated concentrations of dioxathion in the sample were:

Target Analyte	Concentration (ppb)
Dioxathion	24.6
Dioxathion (cis-isomer)	1.14
Dioxathion (trans-isomer)	1.34

Authorized by: 
Michael S. Bonner, Ph.D.

BONNER ANALYTICAL TESTING COMPANY
QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
DIOXATHION/ DIOXETHION HPLC ANALYSIS DATA

Client: **HERCULES** Collector: **05/21/07** NA Client Sample Type: **Water**
 Sample ID: **HERFED2-052107** Estimated: **05/25/07** 8:00 AGR/DCA Extraction Method: **SYN#6 - 3510C**
 File #: **BT33494** Analyzed: **06/03/07** 2:05 ASB Analysis Method: **INSTR#4 SYN#6**
 Date Date Date Analyte

COMPOUNDS	PQL ug/L (ppb)	SAMPLE		METHOD BLANK		LAB CONTROL		MATRIX SPIKE		MATRIX SPIKE DUPLICATE						
		Detected Amount ug/L (ppb)	Spike Amount ug/L Recovery %	Detected Amount ug/L (ppb)	Spike Amount ug/L Recovery %	Detected Amount ug/mL (ppm)	Spike Amount ug/mL Recovery %	Detected Amount ug/mL (ppm)	Spike Amount ug/mL Recovery %	Detected Amount ug/mL (ppm)	Spike Amount ug/mL Recovery %					
Dioxmethion	0.400	24.60		ND		5.00	125.6	5.00	595.6	40.17	5.00	803.4				
Dioxethion (CS)	0.400	1.14		ND		5.00	77.6	5.00	0.0	0.00	5.00	0.0				
Dioxethion (trans)	0.400	1.34		ND		5.00	82.6	5.00	0.0	5.15	5.00	103.0				
SUBSTITUTE COMPOUNDS																
Naphthalene		2.52	5.00	50.4	1.89	5.00	37.8	2.51	5.00	50.2	1.80	5.00	36.0	3.35	5.00	67.0

Certified by: 
 Michael S. Bonner, PFCO
 BONNER ANALYTICAL TESTING COMPANY