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APPENDICES

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: **Hercules**
Location: **HER-GP11-GW**
File #: **BT88794**

	Date	Time	Analyst
Collection:	8/14/03	1145	Client
Extraction:	8/18/03	800	WTD
Analysis:	8/22/03	2130	WTD

Sample Type: Water
Extraction Method: 3510C
Analysis Method: 8270C

			BT88794			BLANK			Matrix Spike			Matrix Spike Duplicate			
			Detected	Spike		Detected	Spike		Detected	Spike		Detected	Spike		
Compound Name	CAS Number	PQL* ug/L (ppb)	Amount ug/L (ppb)	Amount ug	% Recovery	Amount ug/L (ppb)	Amount ug	% Recovery	Amount ng/ul in the extract	Amount ug	% Recovery	Amount ng/ul in the extract	Amount ug	% Recovery	
N-Nitrosodiphenylamine	86-30-6	10.0	ND			ND			ND			ND			
4-Bromophenyl-phenylether	101-55-3	10.0	ND			ND			ND			ND			
Hexachlorobenzene	118-74-1	10.0	ND			ND			ND			ND			
Pentachlorophenol	87-86-5	10.0	ND			ND			144.86	150.00	96.57	63.51	150.00	42.34	
Phenanthrene	85-01-8	10.0	ND			ND			ND			ND			
Anthracene	120-12-7	10.0	ND			ND			ND			ND			
Di-n-butylphthalate	84-74-2	10.0	ND			ND			ND			ND			
Fluoranthene	206-44-0	10.0	ND			ND			ND			ND			
Pyrene	129-00-0	10.0	ND			ND			69.76	100.00	69.76	73.39	100.00	73.39	
Butylbenzylphthalate	85-68-7	10.0	ND			ND			ND			ND			
Benzo(a)anthracene	56-55-3	10.0	ND			ND			ND			ND			
3,3'-Dichlorobenzidiene	91-94-1	10.0	ND			ND			ND			ND			
Chrysene	218-01-9	10.0	ND			ND			ND			ND			
Bis(2-ethylhexyl)phthalate	117-81-7	10.0	ND			ND			ND			ND			
Di-n-octylphthalate	117-84-0	10.0	ND			ND			ND			ND			
Benzo(b)fluoranthene	205-99-2	10.0	ND			ND			ND			ND			
Benzo(k)fluoranthene	207-08-9	10.0	ND			ND			ND			ND			
Benzo(a)pyrene	50-32-8	10.0	ND			ND			ND			ND			
Indeno(1,2,3-c,d)pyrene	193-39-5	10.0	ND			ND			ND			ND			
Dibenzo(a,h)anthracene	53-70-3	10.0	ND			ND			ND			ND			
Benzo(g,h,i)perylene	191-24-2	10.0	ND			ND			ND			ND			
Surrogate Compounds			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	
2-Fluorophenol			51.77	200.00	25.89	70.09	200.00	35.05	46.24	200.00	23.12	1.24	200.00	0.62	*
Phenol-d5			38.08	200.00	19.04	49.78	200.00	24.89	37.40	200.00	18.70	5.97	200.00	2.99	*
Nitrobenzene-d5			62.84	100.00	62.84	60.18	100.00	60.18	58.22	100.00	58.22	70.40	100.00	70.40	
2-Fluorobiphenyl			70.19	100.00	70.19	50.59	100.00	50.59	60.87	100.00	60.87	68.93	100.00	68.93	
2,4,6-Tribromophenol			124.25	200.00	62.13	131.52	200.00	65.76	127.57	200.00	63.79	3.22	200.00	1.61	*
Terphenyl-d14			67.26	100.00	67.26	75.96	100.00	75.96	75.12	100.00	75.12	79.84	100.00	79.84	

*PQL is defined as the low point on the calibration curve.

Certified by:

Micheal S. Bonner, Ph. D.
Bonner Analytical Testing Company

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

Client: Hercules/Eco-Systems
Sample ID: HER-GP11-GW
File #: BT88748

Collected: 08/13/03 14:28 Client
Extracted: 08/15/03 9:45 SCF
Analyzed: 09/12/03 SCF
Date Analyst

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

COMPOUNDS	PQL ug/L (ppb)	SAMPLE			METHOD BLANK			MATRIX SPIKE			MATRIX SPIKE DUPLICATE		
		Detected Amount ug/L (ppb)	Spike		Detected Amount ug/L (ppb)	Spike		Detected Amount ug/mL (ppm)	Spike		Detected Amount ug/mL (ppm)	Spike	
			Amount ug/L	% Recovery		Amount ug/L	% Recovery		Amount ug/mL	% Recovery		Amount ug/mL	% Recovery
Dioxenethion	0.400	ND			ND			4.55	5.00	93.4	4.85	5.00	99.8
Dioxathion (cis)	0.400	ND			ND			5.30	5.00	87.0	4.43	5.00	93.0
Dioxathion (trans)	0.400	ND			ND			4.81	5.00	71.4	4.77	5.00	84.0
SURROGATE COMPOUNDS		Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
Naphthalene		4.57	5.00	91.4	2.99	5.00	59.8	4.55	5.00	91.0	4.18	5.00	83.6

*PQL's are the lowest point on the calibration curve

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

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
VOLATILE ORGANICS - GC/MS ANALYSIS DATA

Client: Eco Systems Inc.
Location: **HER-GP12-GW**
File #: BT88796

	Date	Time	
Collected:	08/14/03	14:40	Client
Received:	08/14/03	16:00	JR
Analyzed:	08/23/03	:06	MGJ

Sample Type: Water
Analysis Method: 8260B
Project Number: 007444

Compound Name	CAS Number	PQL ug/L (ppb)	SAMPLE			BLANK			MATRIX SPIKE (BT88702Z)			MATRIX SPIKE DUP (BT88703Z)		
			Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery
1,1-Dichloroethene	75-35-4	5.00	ND			ND			59.7	250	119	59.3	250	119
Benzene	71-43-2	1.00	43.0			ND			56.1	250	112	53.3	250	107
Trichloroethene	79-01-6	1.00	ND			ND			59.2	250	118	56.6	250	113
Toluene	108-88-3	1.00	ND			ND			39.8	250	79.6	56.5	250	113
Chlorobenzene	108-90-7	1.00	ND			ND			40.5	250	80.9	44.7	250	89.3
Bromobenzene	108-86-1	1.00	ND			ND			ND			ND		
Bromochloromethane	74-97-5	1.00	ND			ND			ND			ND		
Bromodichloromethane	75-27-4	1.00	ND			ND			ND			ND		
Bromoform	75-25-2	1.00	ND			ND			ND			ND		
Bromomethane	74-83-9	5.00	ND			ND			ND			ND		
n-Butylbenzene	104-51-8	1.00	ND			ND			ND			ND		
sec-Butylbenzene	135-98-8	1.00	ND			ND			ND			ND		
tert-Butylbenzene	98-06-6	1.00	ND			ND			ND			ND		
Carbon Tetrachloride	56-23-5	1.00	ND			ND			ND			ND		
Chloroethane	75-00-3	5.00	ND			ND			ND			ND		
Chloroform	66-67-3	1.00	ND			ND			ND			ND		
Chloromethane	74-87-3	1.00	ND			ND			ND			ND		
2-Chlorotoluene	95-49-8	1.00	ND			ND			ND			ND		
4-Chlorotoluene	106-43-4	1.00	ND			ND			ND			ND		
Dibromochloromethane	124-48-1	1.00	ND			ND			ND			ND		
1,2-Dibromo-3-chloropropane	96-12-8	1.00	ND			ND			ND			ND		
1,2-Dibromoethane	106-93-4	1.00	ND			ND			ND			ND		
Dibromomethane	74-95-3	1.00	ND			ND			ND			ND		
1,2-Dichlorobenzene	95-50-1	1.00	ND			ND			ND			ND		
1,3-Dichlorobenzene	541-73-1	1.00	ND			ND			ND			ND		
1,4-Dichlorobenzene	106-46-7	1.00	ND			ND			ND			ND		
Dichlorodifluoromethane	75-71-8	1.00	ND			ND			ND			ND		
1,1-Dichloroethane	75-34-3	5.00	ND			ND			ND			ND		
1,2-Dichloroethane	107-06-2	1.00	ND			ND			ND			ND		
cis-1,2-Dichloroethene	156-59-2	1.00	ND			ND			ND			ND		
trans-1,2-Dichloroethene	156-60-5	5.00	ND			ND			ND			ND		
1,2-Dichloropropane	78-87-5	1.00	ND			ND			ND			ND		
1,3-Dichloropropane	142-28-9	1.00	ND			ND			ND			ND		
2,2-Dichloropropane	594-20-7	5.00	ND			ND			ND			ND		
1,1-Dichloropropene	563-58-6	1.00	ND			ND			ND			ND		
c-1,3-Dichloropropene	10061-01-5	1.00	ND			ND			ND			ND		
t-1,3-Dichloropropene	10061-02-6	1.00	ND			ND			ND			ND		
Ethyl benzene	100-41-4	1.00	ND			ND			ND			ND		
Hexachlorobutadiene	87-68-3	1.00	ND			ND			ND			ND		
Isopropylbenzene	98-82-8	1.00	ND			ND			ND			ND		
p-Isopropyltoluene	99-87-6	1.00	ND			ND			5.64			5.35		
Methylene chloride	75-09-2	5.00	ND			ND			ND			ND		
Naphthalene	91-20-3	5.00	ND			ND			78.6			77.3		
n-Propylbenzene	103-65-1	1.00	ND			ND			ND			ND		

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
VOLATILE ORGANICS - GC/MS ANALYSIS DATA

Client: Eco Systems Inc.
Location: **HER-GP12-GW**
File #: BT88796

Collected:	08/14/03	14:40	Client
Received:	08/14/03	16:00	JR
Analysis:	08/23/03	:06	MGJ
	Date	Time	Analyst

Sample Type: Water
Analysis Method: 8260B
Project Number: 007444

Compound Name	CAS Number	PQL ug/L (ppb)	SAMPLE			BLANK			MATRIX SPIKE (BT88702Z)			MATRIX SPIKE DUP (BT88703Z		
			Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery
Styrene	100-42-5	1.00	ND			ND			ND			ND		
1,1,1,2-Tetrachloroethane	630-20-6	5.00	ND			ND			ND			ND		
1,1,2,2-Tetrachloroethane	79-34-5	1.00	ND			ND			ND			ND		
Tetrachloroethene	127-18-4	1.00	ND			ND			ND			ND		
1,2,3-Trichlorobenzene	87-61-6	5.00	ND			ND			ND			ND		
1,2,4-Trichlorobenzene	120-82-1	5.00	ND			ND			ND			ND		
1,1,1-Trichloroethane	71-55-6	1.00	ND			ND			ND			ND		
1,1,2-Trichloroethane	79-00-5	1.00	ND			ND			ND			ND		
Trichlorofluoromethane	75-69-4	1.00	ND			ND			ND			ND		
1,2,3-Trichloropropane	96-18-4	5.00	ND			ND			ND			ND		
1,2,4-Trimethylbenzene	95-63-6	1.00	ND			ND			ND			ND		
1,3,5-Trimethylbenzene	108-67-8	1.00	ND			ND			ND			ND		
Vinyl chloride	75-01-4	1.00	ND			ND			ND			ND		
Xylenes (total)	1330-20-7	1.00	ND			ND			ND			ND		
Surrogate Compounds			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
1,2-Dichloroethane-d4	17060-07-0		44.3	250	88.6	46.1	250	92.2	52.2	250	104	53.0	250	106
Dibromofluoromethane	1868-53-7		47.1	250	94.1	46.7	250	93.3	54.0	250	108	57.9	250	116
Toluene-d8	2037-26-5		50.0	250	100	53.8	250	108	51.7	250	103	49.5	250	98.9
4-Bromofluorobenzene	460-00-4		55.0	250	110	54.9	250	110	50.3	250	101	48.6	250	97.2

PQL is set as low point on the curve

Certified by:

Michael S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Hercules
Location: HER-GP12-GW
File #: BT88796

	Date	Time	Analyst
Collected:	8/14/03	1440	Client
Extracted:	8/18/03	800	WTD
Analyzed:	8/22/03	2229	WTD

Sample Type: Water
Extraction Method: 3510C
Analysis Method: 8270C

Compound Name	CAS Number	PQL* ug/L (ppb)	BT88796 Detected Amount ug/L (ppb)	BT88796 Spike Amount ug	BT88796 Spike % Recovery	BLANK Detected Amount ug/L (ppb)	BLANK Spike Amount ug	BLANK Spike % Recovery	Matrix Spike(BT88747) Detected Amount ng/ul in the extract	Matrix Spike(BT88747) Spike Amount ug	Matrix Spike(BT88747) Spike % Recovery	Matrix Spike Duplicate Detected Amount ng/ul in the extract	Matrix Spike Duplicate Spike Amount ug	Matrix Spike Duplicate Spike % Recovery
Phenol	108-95-2	10.0	ND			ND			38.93	150.00	25.95	6.68	150.00	4.45
Bis(2-chloroethyl)ether	111-44-4	10.0	ND			ND			ND			ND		
2-Chlorophenol	95-57-8	10.0	ND			ND			82.81	150.00	55.21	82.81	150.00	55.21
1,3-Dichlorobenzene	541-73-1	10.0	ND			ND			ND			ND		
1,4-Dichlorobenzene	106-46-7	10.0	ND			ND			37.60	100.00	37.60	46.80	100.00	46.80
Benzyl Alcohol	100-51-6	10.0	ND			ND			ND			ND		
1,2-Dichlorobenzene	95-50-1	10.0	ND			ND			ND			ND		
2-Methylphenol	95-48-7	10.0	ND			ND			ND			ND		
Bis(2-chloroisopropyl)ether	108-60-1	10.0	ND			ND			ND			ND		
4-Methylphenol	106-44-5	10.0	ND			ND			ND			ND		
Hexachloroethane	67-72-1	10.0	ND			ND			ND			ND		
N-Nitroso-di-N-propylamine	621-64-7	10.0	ND			ND			61.42	100.00	61.42	73.39	100.00	73.39
Nitrobenzene	98-95-3	10.0	ND			ND			ND			ND		
Isophorone	78-59-1	10.0	ND			ND			ND			ND		
2,4-Dimethylphenol	105-67-9	10.0	ND			ND			ND			ND		
2-Nitrophenol	88-75-5	10.0	ND			ND			ND			ND		
Benzoic Acid	65-85-0	10.0	ND			ND			ND			ND		
Bis(2-chloroethoxy)methane	111-91-1	10.0	ND			ND			ND			ND		
2,4-Dichlorophenol	120-83-2	10.0	ND			ND			ND			ND		
1,2,4-Trichlorobenzene	120-82-1	10.0	ND			ND			40.94	100.00	40.94	50.75	100.00	50.75
Naphthalene	91-20-3	10.0	ND			ND			ND			ND		
4-Chloroaniline	106-47-8	10.0	ND			ND			ND			ND		
Hexachlorobutadiene	87-68-3	10.0	ND			ND			ND			ND		
4-Chloro-3-methylphenol	59-50-7	10.0	ND			ND			105.32	150.00	70.21	57.22	150.00	38.15
2-Methylnaphthalene	91-57-6	10.0	ND			ND			ND			ND		
Hexachlorocyclopentadiene	77-47-4	10.0	ND			ND			ND			ND		
2,4,6-Trichlorophenol	88-06-2	10.0	ND			ND			ND			ND		
2,4,5-Trichlorophenol	95-95-4	10.0	ND			ND			ND			ND		
2-Chloronaphthalene	91-58-7	10.0	ND			ND			ND			ND		
2-Nitroaniline	88-74-4	10.0	ND			ND			ND			ND		
Dimethylphthalate	131-11-3	10.0	ND			ND			ND			ND		
Acenaphthylene	208-96-8	10.0	ND			ND			ND			ND		
2,6-Dinitrotoluene	606-20-2	10.0	ND			ND			ND			ND		
3-Nitroaniline	99-09-2	10.0	ND			ND			ND			ND		
Acenaphthene	83-32-9	10.0	ND			ND			59.25	100.00	59.25	64.64	100.00	64.64
2,4-Dinitrophenol	51-28-5	10.0	ND			ND			ND			ND		
4-Nitrophenol	100-02-7	10.0	ND			ND			30.77	150.00	20.51	18.29	150.00	12.19
Dibenzofuran	132-64-9	10.0	ND			ND			ND			ND		
2,4-Dinitrotoluene	121-14-2	10.0	ND			ND			73.18	100.00	73.18	76.06	100.00	76.06
Diethylphthalate	84-66-2	10.0	ND			ND			ND			ND		
Fluorene	86-73-7	10.0	ND			ND			ND			ND		
4-Chlorophenyl-phenylether	7005-72-3	10.0	ND			ND			ND			ND		
4-Nitroaniline	100-01-6	10.0	ND			ND			ND			ND		
4,6-Dinitro-2-methylphenol	534-52-1	10.0	ND			ND			ND			ND		

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Hercules
Location: HER-GP12-GW
File #: BT88796

	Date	Time	
Collection:	8/14/03	1440	Client
Extraction:	8/18/03	800	WTD
Analysis:	8/22/03	2229	WTD

Sample Type: Water
Extraction Method: 3510C
Analysis Method: 8270C

Compound Name	CAS Number	PQL* ug/L (ppb)	BT88796 Detected Amount ug/L (ppb)	BT88796 Spike Amount ug	BT88796 Spike % Recovery	BLANK Detected Amount ug/L (ppb)	BLANK Spike Amount ug	BLANK Spike % Recovery	Matrix Spike Detected Amount ng/ul in the extract	Matrix Spike Spike Amount ug	Matrix Spike Spike % Recovery	Matrix Spike Duplicate Detected Amount ng/ul in the extract	Matrix Spike Duplicate Spike Amount ug	Matrix Spike Duplicate Spike % Recovery	
N-Nitrosodiphenylamine	86-30-6	10.0	ND			ND			ND			ND			
4-Bromophenyl-phenylether	101-55-3	10.0	ND			ND			ND			ND			
Hexachlorobenzene	118-74-1	10.0	ND			ND			ND			ND			
Pentachlorophenol	87-86-5	10.0	ND			ND			144.86	150.00	96.57	63.51	150.00	42.34	
Phenanthrene	85-01-8	10.0	ND			ND			ND			ND			
Anthracene	120-12-7	10.0	ND			ND			ND			ND			
Di-n-butylphthalate	84-74-2	10.0	ND			ND			ND			ND			
Fluoranthene	206-44-0	10.0	ND			ND			ND			ND			
Pyrene	129-00-0	10.0	ND			ND			69.76	100.00	69.76	73.39	100.00	73.39	
Butylbenzylphthalate	85-68-7	10.0	ND			ND			ND			ND			
Benzo(a)anthracene	56-55-3	10.0	ND			ND			ND			ND			
3,3'-Dichlorobenzidiene	91-94-1	10.0	ND			ND			ND			ND			
Chrysene	218-01-9	10.0	ND			ND			ND			ND			
Bis(2-ethythexyl)phthalate	117-81-7	10.0	ND			ND			ND			ND			
Di-n-octylphthalate	117-84-0	10.0	ND			ND			ND			ND			
Benzo(b)fluoranthene	205-99-2	10.0	ND			ND			ND			ND			
Benzo(k)fluoranthene	207-08-9	10.0	ND			ND			ND			ND			
Benzo(a)pyrene	50-32-8	10.0	ND			ND			ND			ND			
Indeno(1,2,3-c,d)pyrene	193-39-5	10.0	ND			ND			ND			ND			
Dibenzo(a,h)anthracene	53-70-3	10.0	ND			ND			ND			ND			
Benzo(g,h,i)perylene	191-24-2	10.0	ND			ND			ND			ND			
Surrogate Compounds			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	
2-Fluorophenol			44.38	200.00	22.19	70.09	200.00	35.05	46.24	200.00	23.12	1.24	200.00	0.62	*
Phenol-d5			39.18	200.00	19.59	49.78	200.00	24.89	37.40	200.00	18.70	5.97	200.00	2.99	*
Nitrobenzene-d5			61.82	100.00	61.82	60.18	100.00	60.18	58.22	100.00	58.22	70.40	100.00	70.40	
2-Fluorobiphenyl			65.77	100.00	65.77	50.59	100.00	50.59	60.87	100.00	60.87	68.93	100.00	68.93	
2,4,6-Tribromophenol			104.12	200.00	52.06	131.52	200.00	65.76	127.57	200.00	63.79	3.22	200.00	1.61	*
Terphenyl-d14			71.04	100.00	71.04	75.96	100.00	75.96	75.12	100.00	75.12	79.84	100.00	79.84	

*PQL is defined as the low point on the calibration curve.

Certified by: _____

Micheal S. Bonner,Ph. D.
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BONNER ANALYTICAL TESTING COMPANY
QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
DIOXATHION/ DIOXENETHION HPLC ANALYSIS DATA

Client: **Hercules/Eco-Systems**
Sample ID: HER-GP12-GW
File #: BT88796

Collected: 08/14/03 14:40 Client
Extracted: 08/15/03 9:45 SCF
Analyzed: 09/12/03 ____ SCF
Date Analyst

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

COMPOUNDS	PQL ug/L (ppb)	SAMPLE			METHOD BLANK			MATRIX SPIKE			MATRIX SPIKE DUPLICATE		
		Detected Amount ug/L (ppb)	Spike		Detected Amount ug/L (ppb)	Spike		Detected Amount ug/mL (ppm)	Spike		Detected Amount ug/mL (ppm)	Spike	
			Amount ug/L	% Recovery		Amount ug/L	% Recovery		Amount ug/mL	% Recovery		Amount ug/mL	% Recovery
Dioxenethion	0.400	ND			ND			4.55	5.00	93.4	4.85	5.00	99.8
Dioxathion (cis)	0.400	ND			ND			5.30	5.00	87.0	4.43	5.00	93.0
Dioxathion (trans)	0.400	ND			ND			4.81	5.00	71.4	4.77	5.00	84.0
SURROGATE COMPOUNDS		Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
Naphthalene		4.08	5.00	81.6	2.99	5.00	59.8	4.55	5.00	91.0	4.18	5.00	83.6

*PQL's are the lowest point on the calibration curve

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

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
VOLATILE ORGANICS - GC/MS ANALYSIS DATA

Client: Eco Systems Inc.
Location: **HER-GP13-GW**
File #: BT88741

Collected:	08/13/03	10:00	Client
Received:	08/13/03	12:00	JR
Analyzed:	08/13/03	21:05	MGJ
	Date	Time	Analyst

Sample Type: Water
Analysis Method: 8260B
Project Number: 007443

Compound Name	CAS Number	PQL ug/L (ppb)	SAMPLE			BLANK			MATRIX SPIKE (BT88702)			MATRIX SPIKE DUP (BT88703)		
			Detected Amount ug/L (ppb)	Spike Amount ug	Spike % Recovery	Detected Amount ug/L (ppb)	Spike Amount ug	Spike % Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery
1,1-Dichloroethene	75-35-4	5.00	ND			ND			59.8	250	120	58.7	250	117
Benzene	71-43-2	1.00	ND			ND			58.3	250	117	58.2	250	116
Trichloroethene	79-01-6	1.00	ND			ND			59.9	250	120	56.8	250	114
Toluene	108-88-3	1.00	ND			ND			59.2	250	118	58.4	250	117
Chlorobenzene	108-90-7	1.00	ND			ND			53.8	250	108	55.8	250	112
Bromobenzene	108-86-1	1.00	ND			ND			ND			ND		
Bromochloromethane	74-97-5	1.00	ND			ND			ND			ND		
Bromodichloromethane	75-27-4	1.00	ND			ND			ND			ND		
Bromoform	75-25-2	1.00	ND			ND			ND			ND		
Bromomethane	74-83-9	5.00	ND			ND			ND			ND		
n-Butylbenzene	104-51-8	1.00	ND			ND			ND			ND		
sec-Butylbenzene	135-98-8	1.00	ND			ND			ND			ND		
tert-Butylbenzene	98-06-6	1.00	ND			ND			ND			ND		
Carbon Tetrachloride	56-23-5	1.00	ND			ND			ND			ND		
Chloroethane	75-00-3	5.00	ND			ND			ND			ND		
Chloroform	66-67-3	1.00	ND			ND			ND			ND		
Chloromethane	74-87-3	1.00	ND			ND			ND			ND		
2-Chlorotoluene	95-49-8	1.00	ND			ND			ND			ND		
4-Chlorotoluene	106-43-4	1.00	ND			ND			ND			ND		
Dibromochloromethane	124-48-1	1.00	ND			ND			ND			ND		
1,2-Dibromo-3-chloropropane	96-12-8	1.00	ND			ND			ND			ND		
1,2-Dibromoethane	106-93-4	1.00	ND			ND			ND			ND		
Dibromomethane	74-95-3	1.00	ND			ND			ND			ND		
1,2-Dichlorobenzene	95-50-1	1.00	ND			ND			ND			ND		
1,3-Dichlorobenzene	541-73-1	1.00	ND			ND			ND			ND		
1,4-Dichlorobenzene	106-46-7	1.00	ND			ND			ND			ND		
Dichlorodifluoromethane	75-71-8	1.00	ND			ND			ND			ND		
1,1-Dichloroethane	75-34-3	5.00	ND			ND			ND			ND		
1,2-Dichloroethane	107-06-2	1.00	ND			ND			ND			ND		
cis-1,2-Dichloroethene	156-59-2	1.00	ND			ND			ND			ND		
trans-1,2-Dichloroethene	156-60-5	5.00	ND			ND			ND			ND		
1,2-Dichloropropane	78-87-5	1.00	ND			ND			ND			ND		
1,3-Dichloropropane	142-28-9	1.00	ND			ND			ND			ND		
2,2-Dichloropropane	594-20-7	5.00	ND			ND			ND			ND		
1,1-Dichloropropene	563-58-6	1.00	ND			ND			ND			ND		
c-1,3-Dichloropropene	10061-01-5	1.00	ND			ND			ND			ND		
t-1,3-Dichloropropene	10061-02-6	1.00	ND			ND			ND			ND		
Ethyl benzene	100-41-4	1.00	ND			ND			ND			ND		
Hexachlorobutadiene	87-68-3	1.00	ND			ND			ND			ND		
Isopropylbenzene	98-82-8	1.00	ND			ND			ND			ND		
p-Isopropyltoluene	99-87-6	1.00	ND			ND			ND			ND		
Methylene chloride	75-09-2	5.00	ND			ND			ND			ND		
Naphthalene	91-20-3	5.00	ND			ND			12.4			12.0		
n-Propylbenzene	103-65-1	1.00	ND			ND			ND			ND		
									72.1			71.2		
									ND			ND		

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
VOLATILE ORGANICS - GC/MS ANALYSIS DATA

Client: Eco Systems Inc.
Location: **HER-GP13-GW**
File #: BT88741

Collected:	08/13/03	10:00	Client
Received:	08/13/03	12:00	JR
Analysis:	08/13/03	21:05	MGJ
	Date	Time	Analyst

Sample Type: Water
Analysis Method: 8260B
Project Number: 007443

Compound Name	CAS Number	PQL ug/L (ppb)	SAMPLE			BLANK			MATRIX SPIKE			MATRIX SPIKE DUP		
			Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery
Styrene	100-42-5	1.00	ND			ND			ND			ND		
1,1,1,2-Tetrachloroethane	630-20-6	5.00	ND			ND			ND			ND		
1,1,2,2-Tetrachloroethane	79-34-5	1.00	ND			ND			ND			ND		
Tetrachloroethene	127-18-4	1.00	ND			ND			ND			ND		
1,2,3-Trichlorobenzene	87-61-6	5.00	ND			ND			ND			ND		
1,2,4-Trichlorobenzene	120-82-1	5.00	ND			ND			ND			ND		
1,1,1-Trichloroethane	71-55-6	1.00	ND			ND			ND			ND		
1,1,2-Trichloroethane	79-00-5	1.00	ND			ND			ND			ND		
Trichlorofluoromethane	75-69-4	1.00	ND			ND			ND			ND		
1,2,3-Trichloropropane	96-18-4	5.00	ND			ND			ND			ND		
1,2,4-Trimethylbenzene	95-63-6	1.00	ND			ND			ND			ND		
1,3,5-Trimethylbenzene	108-67-8	1.00	ND			ND			ND			ND		
Vinyl chloride	75-01-4	1.00	ND			ND			ND			ND		
Xylenes (total)	1330-20-7	1.00	ND			ND			ND			ND		
Surrogate Compounds			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
1,2-Dichloroethane-d4	17060-07-0		44.6	250	89	49.3	250	98.7	48.0	250	95.9	46.0	250	92.1
Dibromofluoromethane	1868-53-7		44.2	250	88.5	43.1	250	86.2	44.5	250	89.0	44.0	250	88.0
Toluene-d8	2037-26-5		54.8	250	110	55.0	250	110	54.7	250	109	54.2	250	108
4-Bromofluorobenzene	460-00-4		53.6	250	107	51.3	250	103	52.3	250	105	50.9	250	102

PQL is set as low point on the curve

Certified by: _____
Michael S. Bonner,Ph. D.
Bonner Analytical Testing Company

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

Client: **Hercules/Eco-Systems**
Sample ID: HER-GP13-GW
File #: BT88741

	Date		Analyst
Collected:	08/13/03	10:00	Client
Extracted:	08/15/03	9:45	SCF
Analyzed:	09/12/03		SCF

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

COMPOUNDS	PQL ug/L (ppb)	SAMPLE Detected Amount ug/L (ppb)	SAMPLE Spike Amount ug/L	SAMPLE Spike % Recovery	METHOD BLANK Detected Amount ug/L (ppb)	METHOD BLANK Spike Amount ug/L	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/mL (ppm)	MATRIX SPIKE Spike Amount ug/mL	MATRIX SPIKE Spike % Recovery	MATRIX SPIKE DUPLICATE Detected Amount ug/mL (ppm)	MATRIX SPIKE DUPLICATE Spike Amount ug/mL	MATRIX SPIKE DUPLICATE Spike % Recovery
Dioxenethion	0.400	ND			ND			4.55	5.00	93.4	4.85	5.00	99.8
Dioxathion (cis)	0.400	ND			ND			5.30	5.00	87.0	4.43	5.00	93.0
Dioxathion (trans)	0.400	ND			ND			4.81	5.00	71.4	4.77	5.00	84.0
SURROGATE COMPOUNDS		Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
Naphthalene		3.55	5.00	71.0	2.99	5.00	59.8	4.55	5.00	91.0	4.18	5.00	83.6

*PQL's are the lowest point on the calibration curve

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

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QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
VOLATILE ORGANICS - GC/MS ANALYSIS DATA

Client: Eco Systems Inc.
Location: **HER-GP14-GW**
File #: BT88739

	Date	Time	Analyst
Collected:	08/13/03	9:32	Client
Received:	08/13/03	12:00	JR
Analyzed:	08/13/03	18:56	MGJ

Sample Type: Water
Analysis Method: 8260B
Project Number: 007443

Compound Name	CAS Number	PQL ug/L (ppb)	SAMPLE			BLANK			MATRIX SPIKE (BT88702)			MATRIX SPIKE DUP (BT88703)		
			Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery
1,1-Dichloroethene	75-35-4	5.00	ND			ND			59.8	250	120	58.7	250	117
Benzene	71-43-2	1.00	6.19			ND			58.3	250	117	58.2	250	116
Trichloroethene	79-01-6	1.00	ND			ND			59.9	250	120	56.8	250	114
Toluene	108-88-3	1.00	ND			ND			59.2	250	118	58.4	250	117
Chlorobenzene	108-90-7	1.00	ND			ND			53.8	250	108	55.8	250	112
Bromobenzene	108-86-1	1.00	ND			ND			ND			ND		
Bromochloromethane	74-97-5	1.00	ND			ND			ND			ND		
Bromodichloromethane	75-27-4	1.00	ND			ND			ND			ND		
Bromoform	75-25-2	1.00	ND			ND			ND			ND		
Bromomethane	74-83-9	5.00	ND			ND			ND			ND		
n-Butylbenzene	104-51-8	1.00	ND			ND			ND			ND		
sec-Butylbenzene	135-98-8	1.00	ND			ND			ND			ND		
tert-Butylbenzene	98-06-6	1.00	ND			ND			ND			ND		
Carbon Tetrachloride	56-23-5	1.00	ND			ND			ND			ND		
Chloroethane	75-00-3	5.00	ND			ND			ND			ND		
Chloroform	66-67-3	1.00	ND			ND			ND			ND		
Chloromethane	74-87-3	1.00	ND			ND			ND			ND		
2-Chlorotoluene	95-49-8	1.00	ND			ND			ND			ND		
4-Chlorotoluene	106-43-4	1.00	ND			ND			ND			ND		
Dibromochloromethane	124-48-1	1.00	ND			ND			ND			ND		
1,2-Dibromo-3-chloropropane	96-12-8	1.00	ND			ND			ND			ND		
1,2-Dibromoethane	106-93-4	1.00	ND			ND			ND			ND		
Dibromomethane	74-95-3	1.00	ND			ND			ND			ND		
1,2-Dichlorobenzene	95-50-1	1.00	ND			ND			ND			ND		
1,3-Dichlorobenzene	541-73-1	1.00	ND			ND			ND			ND		
1,4-Dichlorobenzene	106-46-7	1.00	ND			ND			ND			ND		
Dichlorodifluoromethane	75-71-8	1.00	ND			ND			ND			ND		
1,1-Dichloroethane	75-34-3	5.00	ND			ND			ND			ND		
1,2-Dichloroethane	107-06-2	1.00	ND			ND			ND			ND		
cis-1,2-Dichloroethene	156-59-2	1.00	ND			ND			ND			ND		
trans-1,2-Dichloroethene	156-60-5	5.00	ND			ND			ND			ND		
1,2-Dichloropropane	78-87-5	1.00	ND			ND			ND			ND		
1,3-Dichloropropane	142-28-9	1.00	ND			ND			ND			ND		
2,2-Dichloropropane	594-20-7	5.00	ND			ND			ND			ND		
1,1-Dichloropropene	563-58-6	1.00	ND			ND			ND			ND		
c-1,3-Dichloropropene	10061-01-5	1.00	ND			ND			ND			ND		
t-1,3-Dichloropropene	10061-02-6	1.00	ND			ND			ND			ND		
Ethyl benzene	100-41-4	1.00	ND			ND			ND			ND		
Hexachlorobutadiene	87-68-3	1.00	ND			ND			ND			ND		
Isopropylbenzene	98-82-8	1.00	ND			ND			ND			ND		
p-Isopropyltoluene	99-87-6	1.00	ND			ND			ND			ND		
Methylene chloride	75-09-2	5.00	ND			ND			12.4			12.0		
Naphthalene	91-20-3	5.00	ND			ND			ND			ND		
n-Propylbenzene	103-65-1	1.00	ND			ND			72.1			71.2		
									ND			ND		

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
VOLATILE ORGANICS - GC/MS ANALYSIS DATA

Client: Eco Systems Inc.
Location: **HER-GP14-GW**
File #: BT88739

Collected:	08/13/03	9:32	Client
Received:	08/13/03	12:00	JR
Analysis:	08/13/03	18:56	MGJ
	Date	Time	Analyst

Sample Type: Water
Analysis Method: 8260B
Project Number: 007443

Compound Name	CAS Number	PQL ug/L (ppb)	SAMPLE			BLANK			MATRIX SPIKE			MATRIX SPIKE DUP		
			Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery
Styrene	100-42-5	1.00	ND			ND			ND			ND		
1,1,1,2-Tetrachloroethane	630-20-6	5.00	ND			ND			ND			ND		
1,1,2,2-Tetrachloroethane	79-34-5	1.00	ND			ND			ND			ND		
Tetrachloroethene	127-18-4	1.00	ND			ND			ND			ND		
1,2,3-Trichlorobenzene	87-61-6	5.00	ND			ND			ND			ND		
1,2,4-Trichlorobenzene	120-82-1	5.00	ND			ND			ND			ND		
1,1,1-Trichloroethane	71-55-6	1.00	ND			ND			ND			ND		
1,1,2-Trichloroethane	79-00-5	1.00	ND			ND			ND			ND		
Trichlorofluoromethane	75-69-4	1.00	ND			ND			ND			ND		
1,2,3-Trichloropropane	96-18-4	5.00	ND			ND			ND			ND		
1,2,4-Trimethylbenzene	95-63-6	1.00	ND			ND			ND			ND		
1,3,5-Trimethylbenzene	108-67-8	1.00	ND			ND			ND			ND		
Vinyl chloride	75-01-4	1.00	ND			ND			ND			ND		
Xylenes (total)	1330-20-7	1.00	ND			ND			ND			ND		
Surrogate Compounds			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
1,2-Dichloroethane-d4	17060-07-0		46.3	250	92.7	49.3	250	98.7	48.0	250	95.9	46.0	250	92.1
Dibromofluoromethane	1868-53-7		44.1	250	88.3	43.1	250	86.2	44.5	250	89.0	44.0	250	88.0
Toluene-d8	2037-26-5		54.9	250	110	55.0	250	110	54.7	250	109	54.2	250	108
4-Bromofluorobenzene	460-00-4		51.6	250	103	51.3	250	103	52.3	250	105	50.9	250	102

PQL is set as low point on the curve

Certified by:

Michael S. Bonner,Ph. D.
Bonner Analytical Testing Company

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

Client: **Hercules/Eco-Systems**
Sample ID: HER-GP14-GW
File #: BT88739

	Date		Analyst
Collected:	08/13/03	9:32	Client
Extracted:	08/15/03	9:45	SCF
Analyzed:	09/12/03		SCF

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

COMPOUNDS	PQL ug/L (ppb)	SAMPLE Detected Amount ug/L (ppb)	SAMPLE Spike Amount ug/L	SAMPLE Spike % Recovery	METHOD BLANK Detected Amount ug/L (ppb)	METHOD BLANK Spike Amount ug/L	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/mL (ppm)	MATRIX SPIKE Spike Amount ug/mL	MATRIX SPIKE Spike % Recovery	MATRIX SPIKE DUPLICATE Detected Amount ug/mL (ppm)	MATRIX SPIKE DUPLICATE Spike Amount ug/mL	MATRIX SPIKE DUPLICATE Spike % Recovery
Dioxenethion	0.400	ND			ND			4.55	5.00	93.4	4.85	5.00	99.8
Dioxathion (cis)	0.400	ND			ND			5.30	5.00	87.0	4.43	5.00	93.0
Dioxathion (trans)	0.400	ND			ND			4.81	5.00	71.4	4.77	5.00	84.0
SURROGATE COMPOUNDS		Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
Naphthalene		3.98	5.00	79.6	2.99	5.00	59.8	4.55	5.00	91.0	4.18	5.00	83.6

*PQL's are the lowest point on the calibration curve

Certified by: _____
Michael S. Bonner, Ph.D
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QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA

VOLATILE ORGANICS - GC/MS ANALYSIS DATA

Client: Eco Systems Inc.
Location: **HER-GP15-GW**
File #: BT88742

Collected:	08/12/03	18:00	Client
Received:	08/13/03	12:00	LR
Analyzed:	08/24/03	16:35	MGJ
	Date	Time	Analyst

Sample Type: Water
Analysis Method: 8260B
Project Number: 007443

Compound Name	CAS Number	PQL ug/L (ppb)	SAMPLE			BLANK			MATRIX SPIKE (BT88702Z)			MATRIX SPIKE DUP (BT88703Z)		
			Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery
1,1-Dichloroethene	75-35-4	5.00	ND			ND			59.7	250	119	59.3	250	119
Benzene	71-43-2	1.00	14600			ND			56.1	250	112	53.3	250	107
Trichloroethene	79-01-6	1.00	ND			ND			59.2	250	118	56.6	250	113
Toluene	108-88-3	1.00	3.67			ND			39.8	250	79.6	56.5	250	113
Chlorobenzene	108-90-7	1.00	3.17			ND			40.5	250	80.9	44.7	250	89.3
Bromobenzene	108-86-1	1.00	ND			ND			ND			ND		
Bromochloromethane	74-97-5	1.00	ND			ND			ND			ND		
Bromodichloromethane	75-27-4	1.00	ND			ND			ND			ND		
Bromoform	75-25-2	1.00	ND			ND			ND			ND		
Bromomethane	74-83-9	5.00	ND			ND			ND			ND		
n-Butylbenzene	104-51-8	1.00	ND			ND			ND			ND		
sec-Butylbenzene	135-98-8	1.00	1.66			ND			ND			ND		
tert-Butylbenzene	98-06-6	1.00	3.46			ND			ND			ND		
Carbon Tetrachloride	56-23-5	1.00	ND			ND			ND			ND		
Chloroethane	75-00-3	5.00	ND			ND			ND			ND		
Chloroform	66-67-3	1.00	ND			ND			ND			ND		
Chloromethane	74-87-3	1.00	ND			ND			ND			ND		
2-Chlorotoluene	95-49-8	1.00	4.19			ND			ND			ND		
4-Chlorotoluene	106-43-4	1.00	3.25			ND			ND			ND		
Dibromochloromethane	124-48-1	1.00	ND			ND			ND			ND		
1,2-Dibromo-3-chloropropane	96-12-8	1.00	ND			ND			ND			ND		
1,2-Dibromoethane	106-93-4	1.00	ND			ND			ND			ND		
Dibromomethane	74-95-3	1.00	ND			ND			ND			ND		
1,2-Dichlorobenzene	95-50-1	1.00	3.03			ND			ND			ND		
1,3-Dichlorobenzene	541-73-1	1.00	2.99			ND			ND			ND		
1,4-Dichlorobenzene	106-46-7	1.00	2.56			ND			ND			ND		
Dichlorodifluoromethane	75-71-8	1.00	ND			ND			ND			ND		
1,1-Dichloroethane	75-34-3	5.00	ND			ND			ND			ND		
1,2-Dichloroethane	107-06-2	1.00	ND			ND			ND			ND		
cis-1,2-Dichloroethene	156-59-2	1.00	ND			ND			ND			ND		
trans-1,2-Dichloroethene	156-60-5	5.00	ND			ND			ND			ND		
1,2-Dichloropropane	78-87-5	1.00	ND			ND			ND			ND		
1,3-Dichloropropane	142-28-9	1.00	ND			ND			ND			ND		
2,2-Dichloropropane	594-20-7	5.00	ND			ND			ND			ND		
1,1-Dichloropropene	563-58-6	1.00	ND			ND			ND			ND		
c-1,3-Dichloropropene	10061-01-5	1.00	ND			ND			ND			ND		
t-1,3-Dichloropropene	10061-02-6	1.00	ND			ND			ND			ND		
Ethyl benzene	100-41-4	1.00	1.54			ND			ND			ND		
Hexachlorobutadiene	87-68-3	1.00	ND			ND			ND			ND		
Isopropylbenzene	98-82-8	1.00	2.19			ND			ND			ND		
p-Isopropyltoluene	99-87-6	1.00	2.27			ND			5.64			5.35		
Methylene chloride	75-09-2	5.00	ND			ND			ND			ND		
Naphthalene	91-20-3	5.00	4.91 J			ND			78.6			77.3		
n-Propylbenzene	103-65-1	1.00	ND			ND			ND			ND		

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
VOLATILE ORGANICS - GC/MS ANALYSIS DATA

Client: Eco Systems Inc.
Location: **HER-GP15-GW**
File #: BT88742

	Date	Time	
Collected:	08/12/03	18:00	Client
Received:	08/13/03	12:00	LR
Analysis:	08/24/03	16:35	MGJ

Sample Type: Water
Analysis Method: 8260B
Project Number: 007443

Compound Name	CAS Number	PQL ug/L (ppb)	SAMPLE Detected Amount ug/L (ppb)	SAMPLE Amount ug	SAMPLE % Recovery	BLANK Detected Amount ug/L (ppb)	BLANK Amount ug	BLANK % Recovery	MATRIX SPIKE Detected Amount ug/L (ppb)	MATRIX SPIKE Spike Amount ng	MATRIX SPIKE % Recovery	MATRIX SPIKE DUP Detected Amount ug/L (ppb)	MATRIX SPIKE DUP Spike Amount ng	MATRIX SPIKE DUP % Recovery
Styrene	100-42-5	1.00	3.47			ND			ND			ND		
1,1,1,2-Tetrachloroethane	630-20-6	5.00	ND			ND			ND			ND		
1,1,2,2-Tetrachloroethane	79-34-5	1.00	ND			ND			ND			ND		
Tetrachloroethene	127-18-4	1.00	ND			ND			ND			ND		
1,2,3-Trichlorobenzene	87-61-6	5.00	3.16 J			ND			ND			ND		
1,2,4-Trichlorobenzene	120-82-1	5.00	ND			ND			ND			ND		
1,1,1-Trichloroethane	71-55-6	1.00	ND			ND			ND			ND		
1,1,2-Trichloroethane	79-00-5	1.00	ND			ND			ND			ND		
Trichlorofluoromethane	75-69-4	1.00	ND			ND			ND			ND		
1,2,3-Trichloropropane	96-18-4	5.00	ND			ND			ND			ND		
1,2,4-Trimethylbenzene	95-63-6	1.00	ND			ND			ND			ND		
1,3,5-Trimethylbenzene	108-67-8	1.00	ND			ND			ND			ND		
Vinyl chloride	75-01-4	1.00	ND			ND			ND			ND		
Xylenes (total)	1330-20-7	1.00	7.82			ND			ND			ND		
Surrogate Compounds			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
1,2-Dichloroethane-d4	17060-07-0		53.5	250	107	54.0	250	108	52.2	250	104	53.0	250	106
Dibromofluoromethane	1868-53-7		53.2	250	106	50.9	250	102	54.0	250	108	57.9	250	116
Toluene-d8	2037-26-5		50.5	250	101	50.9	250	102	51.7	250	103	49.5	250	98.9
4-Bromofluorobenzene	460-00-4		55.5	250	111	55.8	250	112	50.3	250	101	48.6	250	97.2

PQL is set as low point on the curve
J result is above MDL but below PQL

Certified by: 
Michael S. Bonner,Ph. D.
Bonner Analytical Testing Company

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

Client: **Hercules/Eco-Systems**
Sample ID: HER-GP15-GW
File #: BT88742

	Date		Analyst
Collected:	08/13/03	18:00	Client
Extracted:	08/15/03	9:45	SCF
Analyzed:	09/12/03		SCF

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

COMPOUNDS	PQL ug/L (ppb)	SAMPLE			METHOD BLANK			MATRIX SPIKE			MATRIX SPIKE DUPLICATE		
		Detected Amount ug/L (ppb)	Spike		Detected Amount ug/L (ppb)	Spike		Detected Amount ug/mL (ppm)	Spike		Detected Amount ug/mL (ppm)	Spike	
			Amount ug/L	% Recovery		Amount ug/L	% Recovery		Amount ug/mL	% Recovery		Amount ug/mL	% Recovery
Dioxenethion	0.400	ND			ND			4.55	5.00	93.4	4.85	5.00	99.8
Dioxathion (cis)	0.400	ND			ND			5.30	5.00	87.0	4.43	5.00	93.0
Dioxathion (trans)	0.400	ND			ND			4.81	5.00	71.4	4.77	5.00	84.0
SURROGATE COMPOUNDS		Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
Naphthalene		4.02	5.00	80.4	2.99	5.00	59.8	4.55	5.00	91.0	4.18	5.00	83.6

*PQL's are the lowest point on the calibration curve

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

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

Client: Hercules/Eco-Systems
Sample ID: HER-GP17-GW
File #: BT88744

	Date		Analyst
Collected:	08/13/03	11:00	Client
Extracted:	08/15/03	9:45	SCF
Analyzed:	09/12/03		SCF

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

COMPOUNDS	PQL ug/L (ppb)	SAMPLE			METHOD BLANK			MATRIX SPIKE			MATRIX SPIKE DUPLICATE		
		Detected Amount ug/L (ppb)	Spike Amount ug/L	Spike % Recovery	Detected Amount ug/L (ppb)	Spike Amount ug/L	Spike % Recovery	Detected Amount ug/mL (ppm)	Spike Amount ug/mL	Spike % Recovery	Detected Amount ug/mL (ppm)	Spike Amount ug/mL	Spike % Recovery
Dioxenethion	0.400	ND			ND			4.55	5.00	93.4	4.85	5.00	99.8
Dioxathion (cis)	0.400	ND			ND			5.30	5.00	87.0	4.43	5.00	93.0
Dioxathion (trans)	0.400	ND			ND			4.81	5.00	71.4	4.77	5.00	84.0
SURROGATE COMPOUNDS		Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
Naphthalene		4.44	5.00	88.8	2.99	5.00	59.8	4.55	5.00	91.0	4.18	5.00	83.6

*PQL's are the lowest point on the calibration curve

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

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QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
VOLATILE ORGANICS - GC/MS ANALYSIS DATA

Client: Eco Systems Inc.
Location: **HER-GP18-GW**
File #: BT88795

	Date	Time	
Collected:	08/14/03	13:15	Client
Received:	08/14/03	16:00	JR
Analyzed:	08/22/03	23:15	MGJ

Sample Type: Water
Analysis Method: 8260B
Project Number: 007444

Compound Name	CAS Number	PQL ug/L (ppb)	SAMPLE			BLANK			MATRIX SPIKE (BT88702Z)			MATRIX SPIKE DUP (BT88703Z)		
			Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery
1,1-Dichloroethene	75-35-4	5.00	ND			ND			59.7	250	119	59.3	250	119
Benzene	71-43-2	1.00	ND			ND			56.1	250	112	53.3	250	107
Trichloroethene	79-01-6	1.00	ND			ND			59.2	250	118	56.6	250	113
Toluene	108-88-3	1.00	ND			ND			39.8	250	79.6	56.5	250	113
Chlorobenzene	108-90-7	1.00	ND			ND			40.5	250	80.9	44.7	250	89.3
Bromobenzene	108-86-1	1.00	ND			ND			ND			ND		
Bromochloromethane	74-97-5	1.00	ND			ND			ND			ND		
Bromodichloromethane	75-27-4	1.00	ND			ND			ND			ND		
Bromoform	75-25-2	1.00	ND			ND			ND			ND		
Bromomethane	74-83-9	5.00	ND			ND			ND			ND		
n-Butylbenzene	104-51-8	1.00	ND			ND			ND			ND		
sec-Butylbenzene	135-98-8	1.00	ND			ND			ND			ND		
tert-Butylbenzene	98-06-6	1.00	ND			ND			ND			ND		
Carbon Tetrachloride	56-23-5	1.00	ND			ND			ND			ND		
Chloroethane	75-00-3	5.00	ND			ND			ND			ND		
Chloroform	66-67-3	1.00	ND			ND			ND			ND		
Chloromethane	74-87-3	1.00	ND			ND			ND			ND		
2-Chlorotoluene	95-49-8	1.00	ND			ND			ND			ND		
4-Chlorotoluene	106-43-4	1.00	ND			ND			ND			ND		
Dibromochloromethane	124-48-1	1.00	ND			ND			ND			ND		
1,2-Dibromo-3-chloropropane	96-12-8	1.00	ND			ND			ND			ND		
1,2-Dibromoethane	106-93-4	1.00	ND			ND			ND			ND		
Dibromomethane	74-95-3	1.00	ND			ND			ND			ND		
1,2-Dichlorobenzene	95-50-1	1.00	ND			ND			ND			ND		
1,3-Dichlorobenzene	541-73-1	1.00	ND			ND			ND			ND		
1,4-Dichlorobenzene	106-46-7	1.00	ND			ND			ND			ND		
Dichlorodifluoromethane	75-71-8	1.00	ND			ND			ND			ND		
1,1-Dichloroethane	75-34-3	5.00	ND			ND			ND			ND		
1,2-Dichloroethane	107-06-2	1.00	ND			ND			ND			ND		
cis-1,2-Dichloroethene	156-59-2	1.00	ND			ND			ND			ND		
trans-1,2-Dichloroethene	156-60-5	5.00	ND			ND			ND			ND		
1,2-Dichloropropane	78-87-5	1.00	ND			ND			ND			ND		
1,3-Dichloropropane	142-28-9	1.00	ND			ND			ND			ND		
2,2-Dichloropropane	594-20-7	5.00	ND			ND			ND			ND		
1,1-Dichloropropene	563-58-6	1.00	ND			ND			ND			ND		
c-1,3-Dichloropropene	10061-01-5	1.00	ND			ND			ND			ND		
t-1,3-Dichloropropene	10061-02-6	1.00	ND			ND			ND			ND		
Ethyl benzene	100-41-4	1.00	ND			ND			ND			ND		
Hexachlorobutadiene	87-68-3	1.00	ND			ND			ND			ND		
Isopropylbenzene	98-82-8	1.00	ND			ND			ND			ND		
p-Isopropyltoluene	99-87-6	1.00	ND			ND			ND			ND		
Methylene chloride	75-09-2	5.00	ND			ND			5.64			5.35		
Naphthalene	91-20-3	5.00	ND			ND			ND			ND		
n-Propylbenzene	103-65-1	1.00	ND			ND			78.6			77.3		
									ND			ND		

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
VOLATILE ORGANICS - GC/MS ANALYSIS DATA

Client: Eco Systems Inc.
Location: **HER-GP18-GW**
File #: BT88795

	Date	Time	
Collected:	08/14/03	13:15	Client
Received:	08/14/03	16:00	JR
Analysis:	08/22/03	23:15	MGJ

Sample Type: Water
Analysis Method: 8260B
Project Number: 007444

Compound Name	CAS Number	PQL ug/L (ppb)	SAMPLE			BLANK			MATRIX SPIKE (BT88702Z)			MATRIX SPIKE DUP (BT88703Z		
			Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery
Styrene	100-42-5	1.00	ND			ND			ND			ND		
1,1,1,2-Tetrachloroethane	630-20-6	5.00	ND			ND			ND			ND		
1,1,2,2-Tetrachloroethane	79-34-5	1.00	ND			ND			ND			ND		
Tetrachloroethene	127-18-4	1.00	ND			ND			ND			ND		
1,2,3-Trichlorobenzene	87-61-6	5.00	ND			ND			ND			ND		
1,2,4-Trichlorobenzene	120-82-1	5.00	ND			ND			ND			ND		
1,1,1-Trichloroethane	71-55-6	1.00	ND			ND			ND			ND		
1,1,2-Trichloroethane	79-00-5	1.00	ND			ND			ND			ND		
Trichlorofluoromethane	75-69-4	1.00	ND			ND			ND			ND		
1,2,3-Trichloropropane	96-18-4	5.00	ND			ND			ND			ND		
1,2,4-Trimethylbenzene	95-63-6	1.00	ND			ND			ND			ND		
1,3,5-Trimethylbenzene	108-67-8	1.00	ND			ND			ND			ND		
Vinyl chloride	75-01-4	1.00	ND			ND			ND			ND		
Xylenes (total)	1330-20-7	1.00	ND			ND			ND			ND		
Surrogate Compounds			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
1,2-Dichloroethane-d4	17060-07-0		45.2	250	90.4	46.1	250	92.2	52.2	250	104	53.0	250	106
Dibromofluoromethane	1868-53-7		47.2	250	94.5	46.7	250	93.3	54.0	250	108	57.9	250	116
Toluene-d8	2037-26-5		54.8	250	110	53.8	250	108	51.7	250	103	49.5	250	98.9
4-Bromofluorobenzene	460-00-4		55.8	250	112	54.9	250	110	50.3	250	101	48.6	250	97.2

PQL is set as low point on the curve

Certified by:

Michael S. Bonner, Ph. D.
Bonner Analytical Testing Company

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

Client: **Hercules/Eco-Systems**
Sample ID: HER-GP18-GW
File #: BT88795

Collected: 08/14/03 13:15 Client
Extracted: 08/15/03 9:45 SCF
Analyzed: 09/12/03 SCF
Date Analyst

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

COMPOUNDS	PQL ug/L (ppb)	SAMPLE			METHOD BLANK			MATRIX SPIKE			MATRIX SPIKE DUPLICATE		
		Detected Amount ug/L (ppb)	Spike		Detected Amount ug/L (ppb)	Spike		Detected Amount ug/mL (ppm)	Spike		Detected Amount ug/mL (ppm)	Spike	
			Amount ug/L	% Recovery		Amount ug/L	% Recovery		Amount ug/mL	% Recovery		Amount ug/mL	% Recovery
Dioxenethion	0.400	ND			ND			4.55	5.00	93.4	4.85	5.00	99.8
Dioxathion (cis)	0.400	ND			ND			5.30	5.00	87.0	4.43	5.00	93.0
Dioxathion (trans)	0.400	ND			ND			4.81	5.00	71.4	4.77	5.00	84.0
SURROGATE COMPOUNDS		Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
Naphthalene		4.29	5.00	85.8	2.99	5.00	59.8	4.55	5.00	91.0	4.18	5.00	83.6

*PQL's are the lowest point on the calibration curve

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

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
VOLATILE ORGANICS - GC/MS ANALYSIS DATA

Client: Eco Systems Inc.
Location: **BD01**
File #: BT88743

Collected:	NA	NA	Client
Received:	08/13/03	12:00	JE
Analyzed:	08/23/03	0:56	MGJ
	Date	Time	Analyst

Sample Type: Water
Analysis Method: 8260B
Project Number: 007443

Compound Name	CAS Number	PQL ug/L (ppb)	SAMPLE			BLANK			MATRIX SPIKE (BT88702Z)			MATRIX SPIKE DUP (BT88703Z)		
			Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery
1,1-Dichloroethene	75-35-4	5.00	ND			ND			59.7	250	119	59.3	250	119
Benzene	71-43-2	1.00	26.13			ND			56.1	250	112	53.3	250	107
Trichloroethene	79-01-6	1.00	ND			ND			59.2	250	118	56.6	250	113
Toluene	108-88-3	1.00	ND			ND			39.8	250	79.6	56.5	250	113
Chlorobenzene	108-90-7	1.00	ND			ND			40.5	250	80.9	44.7	250	89.3
Bromobenzene	108-86-1	1.00	ND			ND			ND			ND		
Bromochloromethane	74-97-5	1.00	ND			ND			ND			ND		
Bromodichloromethane	75-27-4	1.00	ND			ND			ND			ND		
Bromoform	75-25-2	1.00	ND			ND			ND			ND		
Bromomethane	74-83-9	5.00	ND			ND			ND			ND		
n-Butylbenzene	104-51-8	1.00	ND			ND			ND			ND		
sec-Butylbenzene	135-98-8	1.00	ND			ND			ND			ND		
tert-Butylbenzene	98-06-6	1.00	ND			ND			ND			ND		
Carbon Tetrachloride	56-23-5	1.00	ND			ND			ND			ND		
Chloroethane	75-00-3	5.00	ND			ND			ND			ND		
Chloroform	66-67-3	1.00	ND			ND			ND			ND		
Chloromethane	74-87-3	1.00	ND			ND			ND			ND		
2-Chlorotoluene	95-49-8	1.00	ND			ND			ND			ND		
4-Chlorotoluene	106-43-4	1.00	ND			ND			ND			ND		
Dibromochloromethane	124-48-1	1.00	ND			ND			ND			ND		
1,2-Dibromo-3-chloropropane	96-12-8	1.00	ND			ND			ND			ND		
1,2-Dibromoethane	106-93-4	1.00	ND			ND			ND			ND		
Dibromomethane	74-95-3	1.00	ND			ND			ND			ND		
1,2-Dichlorobenzene	95-50-1	1.00	ND			ND			ND			ND		
1,3-Dichlorobenzene	541-73-1	1.00	ND			ND			ND			ND		
1,4-Dichlorobenzene	106-46-7	1.00	ND			ND			ND			ND		
Dichlorodifluoromethane	75-71-8	1.00	ND			ND			ND			ND		
1,1-Dichloroethane	75-34-3	5.00	ND			ND			ND			ND		
1,2-Dichloroethane	107-06-2	1.00	ND			ND			ND			ND		
cis-1,2-Dichloroethene	156-59-2	1.00	ND			ND			ND			ND		
trans-1,2-Dichloroethene	156-60-5	5.00	ND			ND			ND			ND		
1,2-Dichloropropane	78-87-5	1.00	ND			ND			ND			ND		
1,3-Dichloropropane	142-28-9	1.00	ND			ND			ND			ND		
2,2-Dichloropropane	594-20-7	5.00	ND			ND			ND			ND		
1,1-Dichloropropene	563-58-6	1.00	ND			ND			ND			ND		
c-1,3-Dichloropropene	10061-01-5	1.00	ND			ND			ND			ND		
t-1,3-Dichloropropene	10061-02-6	1.00	ND			ND			ND			ND		
Ethyl benzene	100-41-4	1.00	ND			ND			ND			ND		
Hexachlorobutadiene	87-68-3	1.00	ND			ND			ND			ND		
Isopropylbenzene	98-82-8	1.00	ND			ND			ND			ND		
p-Isopropyltoluene	99-87-6	1.00	ND			ND			ND			ND		
Methylene chloride	75-09-2	5.00	ND			ND			5.64			5.35		
Naphthalene	91-20-3	5.00	ND			ND			ND			ND		
n-Propylbenzene	103-65-1	1.00	ND			ND			78.6			77.3		
									ND			ND		

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
VOLATILE ORGANICS - GC/MS ANALYSIS DATA

Client: Eco Systems Inc.
Location: **BD01**
File #: BT88743

Collected:	NA	NA	Client
Received:	08/13/03	12:00	JE
Analysis:	08/23/03	D:56	MGJ
	Date	Time	Analyst

Sample Type: Water
Analysis Method: 8260B
Project Number: 007443

Compound Name	CAS Number	PQL ug/L (ppb)	SAMPLE			BLANK			MATRIX SPIKE			MATRIX SPIKE DUP		
			Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery
Styrene	100-42-5	1.00	ND			ND			ND			ND		
1,1,1,2-Tetrachloroethane	630-20-6	5.00	ND			ND			ND			ND		
1,1,2,2-Tetrachloroethane	79-34-5	1.00	ND			ND			ND			ND		
Tetrachloroethene	127-18-4	1.00	ND			ND			ND			ND		
1,2,3-Trichlorobenzene	87-61-6	5.00	ND			ND			ND			ND		
1,2,4-Trichlorobenzene	120-82-1	5.00	ND			ND			ND			ND		
1,1,1-Trichloroethane	71-55-6	1.00	ND			ND			ND			ND		
1,1,2-Trichloroethane	79-00-5	1.00	ND			ND			ND			ND		
Trichlorofluoromethane	75-69-4	1.00	ND			ND			ND			ND		
1,2,3-Trichloropropane	96-18-4	5.00	ND			ND			ND			ND		
1,2,4-Trimethylbenzene	95-63-6	1.00	ND			ND			ND			ND		
1,3,5-Trimethylbenzene	108-67-8	1.00	ND			ND			ND			ND		
Vinyl chloride	75-01-4	1.00	ND			ND			ND			ND		
Xylenes (total)	1330-20-7	1.00	ND			ND			ND			ND		
Surrogate Compounds			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
1,2-Dichloroethane-d4	17060-07-0		46.5	250	92.9	54.0	250	108	52.2	250	104	53.0	250	106
Dibromofluoromethane	1868-53-7		47.5	250	94.9	50.9	250	102	54.0	250	108	57.9	250	116
Toluene-d8	2037-26-5		53.8	250	108	50.9	250	102	51.7	250	103	49.5	250	98.9
4-Bromofluorobenzene	460-00-4		55.0	250	110	55.8	250	112	50.3	250	101	48.6	250	97.2

PQL is set as low point on the curve

Certified by:
Michael S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
VOLATILE ORGANICS - GC/MS ANALYSIS DATA

Client: Eco Systems Inc.
Location: **BD02**
File #: BT88747

Collected:	NA	NA	Client
Received:	08/13/03	16:35	JR
Analyzed:	08/24/03	15:44	MGJ
	Date	Time	Analyst

Sample Type: Water
Analysis Method: 8260B
Project Number: 007444

Compound Name	CAS Number	PQL ug/L (ppb)	SAMPLE			BLANK			MATRIX SPIKE (BT88702Z)			MATRIX SPIKE DUP (BT88703Z)		
			Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery
1,1-Dichloroethene	75-35-4	5.00	ND			ND			59.7	250	119	59.3	250	119
Benzene	71-43-2	1.00	ND			ND			56.1	250	112	53.3	250	107
Trichloroethene	79-01-6	1.00	ND			ND			59.2	250	118	56.6	250	113
Toluene	108-88-3	1.00	ND			ND			39.8	250	79.6	56.5	250	113
Chlorobenzene	108-90-7	1.00	ND			ND			40.5	250	80.9	44.7	250	89.3
Bromobenzene	108-86-1	1.00	ND			ND			ND			ND		
Bromochloromethane	74-97-5	1.00	ND			ND			ND			ND		
Bromodichloromethane	75-27-4	1.00	ND			ND			ND			ND		
Bromoform	75-25-2	1.00	ND			ND			ND			ND		
Bromomethane	74-83-9	5.00	ND			ND			ND			ND		
n-Butylbenzene	104-51-8	1.00	ND			ND			ND			ND		
sec-Butylbenzene	135-98-8	1.00	ND			ND			ND			ND		
tert-Butylbenzene	98-06-6	1.00	ND			ND			ND			ND		
Carbon Tetrachloride	56-23-5	1.00	ND			ND			ND			ND		
Chloroethane	75-00-3	5.00	ND			ND			ND			ND		
Chloroform	66-67-3	1.00	ND			ND			ND			ND		
Chloromethane	74-87-3	1.00	ND			ND			ND			ND		
2-Chlorotoluene	95-49-8	1.00	ND			ND			ND			ND		
4-Chlorotoluene	106-43-4	1.00	ND			ND			ND			ND		
Dibromochloromethane	124-48-1	1.00	ND			ND			ND			ND		
1,2-Dibromo-3-chloropropane	96-12-8	1.00	ND			ND			ND			ND		
1,2-Dibromoethane	106-93-4	1.00	ND			ND			ND			ND		
Dibromomethane	74-95-3	1.00	ND			ND			ND			ND		
1,2-Dichlorobenzene	95-50-1	1.00	ND			ND			ND			ND		
1,3-Dichlorobenzene	541-73-1	1.00	ND			ND			ND			ND		
1,4-Dichlorobenzene	106-46-7	1.00	ND			ND			ND			ND		
Dichlorodifluoromethane	75-71-8	1.00	ND			ND			ND			ND		
1,1-Dichloroethane	75-34-3	5.00	ND			ND			ND			ND		
1,2-Dichloroethane	107-06-2	1.00	ND			ND			ND			ND		
cis-1,2-Dichloroethene	156-59-2	1.00	ND			ND			ND			ND		
trans-1,2-Dichloroethene	156-60-5	5.00	ND			ND			ND			ND		
1,2-Dichloropropane	78-87-5	1.00	ND			ND			ND			ND		
1,3-Dichloropropane	142-28-9	1.00	ND			ND			ND			ND		
2,2-Dichloropropane	594-20-7	5.00	ND			ND			ND			ND		
1,1-Dichloropropene	563-58-6	1.00	ND			ND			ND			ND		
c-1,3-Dichloropropene	10061-01-5	1.00	ND			ND			ND			ND		
t-1,3-Dichloropropene	10061-02-6	1.00	ND			ND			ND			ND		
Ethyl benzene	100-41-4	1.00	ND			ND			ND			ND		
Hexachlorobutadiene	87-68-3	1.00	ND			ND			ND			ND		
Isopropylbenzene	98-82-8	1.00	ND			ND			ND			ND		
p-Isopropyltoluene	99-87-6	1.00	ND			ND			5.64			5.35		
Methylene chloride	75-09-2	5.00	ND			ND			ND			ND		
Naphthalene	91-20-3	5.00	ND			ND			78.6			77.3		
n-Propylbenzene	103-65-1	1.00	ND			ND			ND			ND		

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
VOLATILE ORGANICS - GC/MS ANALYSIS DATA

Client: Eco Systems Inc.
Location: **BD02**
File #: BT88747

	Date	Time	Analyst
Collected:	NA	NA	Client
Received:	08/13/03	16:35	JR
Analysis:	08/24/03	15:44	MGJ

Sample Type: Water
Analysis Method: 8260B
Project Number: 007444

Compound Name	CAS Number	PQL ug/L (ppb)	SAMPLE Detected Amount ug/L (ppb)	SAMPLE Amount ug	SAMPLE % Recovery	BLANK Detected Amount ug/L (ppb)	BLANK Amount ug	BLANK % Recovery	MATRIX SPIKE Detected Amount ug/L (ppb)	MATRIX SPIKE Spike Amount ng	MATRIX SPIKE % Recovery	MATRIX SPIKE DUP Detected Amount ug/L (ppb)	MATRIX SPIKE DUP Spike Amount ng	MATRIX SPIKE DUP % Recovery
Styrene	100-42-5	1.00	ND			ND			ND			ND		
1,1,1,2-Tetrachloroethane	630-20-6	5.00	ND			ND			ND			ND		
1,1,2,2-Tetrachloroethane	79-34-5	1.00	ND			ND			ND			ND		
Tetrachloroethene	127-18-4	1.00	ND			ND			ND			ND		
1,2,3-Trichlorobenzene	87-61-6	5.00	ND			ND			ND			ND		
1,2,4-Trichlorobenzene	120-82-1	5.00	ND			ND			ND			ND		
1,1,1-Trichloroethane	71-55-6	1.00	ND			ND			ND			ND		
1,1,2-Trichloroethane	79-00-5	1.00	ND			ND			ND			ND		
Trichlorofluoromethane	75-69-4	1.00	ND			ND			ND			ND		
1,2,3-Trichloropropane	96-18-4	5.00	ND			ND			ND			ND		
1,2,4-Trimethylbenzene	95-63-6	1.00	ND			ND			ND			ND		
1,3,5-Trimethylbenzene	108-67-8	1.00	ND			ND			ND			ND		
Vinyl chloride	75-01-4	1.00	ND			ND			ND			ND		
Xylenes (total)	1330-20-7	1.00	ND			ND			ND			ND		
Surrogate Compounds			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
1,2-Dichloroethane-d4	17060-07-0		47.6	250	95.3	54.0	250	108	52.2	250	104	53.0	250	106
Dibromofluoromethane	1868-53-7		46.3	250	92.6	50.9	250	102	54.0	250	108	57.9	250	116
Toluene-d8	2037-26-5		53.5	250	107	50.9	250	102	51.7	250	103	49.5	250	98.9
4-Bromofluorobenzene	460-00-4		54.3	250	109	55.8	250	112	50.3	250	101	48.6	250	97.2

PQL is set as low point on the curve

Certified by:

Michael S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACID5 - GC/MS ANALYSIS DATA

Client: Hercules
Location: HER-BD02
File #: BT88747

	Date	Time	Analyst
Collected:	8/13/03	1428	Client
Extracted:	8/18/03	800	WTD
Analyzed:	8/21/03	658	WTD

Sample Type: Water
Extraction Method: 3510C
Analysis Method: 8270C

Compound Name	CAS Number	PQL* ug/L (ppb)	BT88747			BLANK			Matrix Spike(BT88747)			Matrix Spike Duplicate		
			Detected Amount ug/L (ppb)	Spike		Detected Amount ug/L (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
				Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
Phenol	108-95-2	10.0	ND			ND			38.93	150.00	25.95	6.68	150.00	4.45
Bis(2-chloroethyl)ether	111-44-4	10.0	ND			ND			ND			ND		
2-Chlorophenol	95-57-8	10.0	ND			ND			82.81	150.00	55.21	82.81	150.00	55.21
1,3-Dichlorobenzene	541-73-1	10.0	ND			ND			ND			ND		
1,4-Dichlorobenzene	106-46-7	10.0	ND			ND			37.60	100.00	37.60	46.80	100.00	46.80
Benzyl Alcohol	100-51-6	10.0	ND			ND			ND			ND		
1,2-Dichlorobenzene	95-50-1	10.0	ND			ND			ND			ND		
2-Methylphenol	95-48-7	10.0	ND			ND			ND			ND		
Bis(2-chloroisopropyl)ether	108-60-1	10.0	ND			ND			ND			ND		
4-Methylphenol	106-44-5	10.0	ND			ND			ND			ND		
Hexachloroethane	67-72-1	10.0	ND			ND			ND			ND		
N-Nitroso-di-N-propylamine	621-64-7	10.0	ND			ND			61.42	100.00	61.42	73.39	100.00	73.39
Nitrobenzene	98-95-3	10.0	ND			ND			ND			ND		
Isophorone	78-59-1	10.0	ND			ND			ND			ND		
2,4-Dimethylphenol	105-67-9	10.0	ND			ND			ND			ND		
2-Nitrophenol	88-75-5	10.0	ND			ND			ND			ND		
Benzoic Acid	65-85-0	10.0	ND			ND			ND			ND		
Bis(2-chloroethoxy)methane	111-91-1	10.0	ND			ND			ND			ND		
2,4-Dichlorophenol	120-83-2	10.0	ND			ND			ND			ND		
1,2,4-Trichlorobenzene	120-82-1	10.0	ND			ND			40.94	100.00	40.94	50.75	100.00	50.75
Naphthalene	91-20-3	10.0	ND			ND			ND			ND		
4-Chloroaniline	106-47-8	10.0	ND			ND			ND			ND		
Hexachlorobutadiene	87-68-3	10.0	ND			ND			ND			ND		
4-Chloro-3-methylphenol	59-50-7	10.0	ND			ND			105.32	150.00	70.21	57.22	150.00	38.15
2-Methylnaphthalene	91-57-6	10.0	ND			ND			ND			ND		
Hexachlorocyclopentadiene	77-47-4	10.0	ND			ND			ND			ND		
2,4,6-Trichlorophenol	88-06-2	10.0	ND			ND			ND			ND		
2,4,5-Trichlorophenol	95-95-4	10.0	ND			ND			ND			ND		
2-Chloronaphthalene	91-58-7	10.0	ND			ND			ND			ND		
2-Nitroaniline	88-74-4	10.0	ND			ND			ND			ND		
Dimethylphthalate	131-11-3	10.0	ND			ND			ND			ND		
Acenaphthylene	208-96-8	10.0	ND			ND			ND			ND		
2,6-Dinitrotoluene	606-20-2	10.0	ND			ND			ND			ND		
3-Nitroaniline	99-09-2	10.0	ND			ND			ND			ND		
Acenaphthene	83-32-9	10.0	ND			ND			59.25	100.00	59.25	64.64	100.00	64.64
2,4-Dinitrophenol	51-28-5	10.0	ND			ND			ND			ND		
4-Nitrophenol	100-02-7	10.0	ND			ND			30.77	150.00	20.51	18.29	150.00	12.19
Dibenzofuran	132-64-9	10.0	ND			ND			ND			ND		
2,4-Dinitrotoluene	121-14-2	10.0	ND			ND			73.18	100.00	73.18	76.06	100.00	76.06
Diethylphthalate	84-66-2	10.0	ND			ND			ND			ND		
Fluorene	86-73-7	10.0	ND			ND			ND			ND		
4-Chlorophenyl-phenylether	7005-72-3	10.0	ND			ND			ND			ND		
4-Nitroaniline	100-01-6	10.0	ND			ND			ND			ND		
4,6-Dinitro-2-methylphenol	534-52-1	10.0	ND			ND			ND			ND		

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Hercules
Location: HER-BD02
File #: BT88747

	Date	Time	Analyst
Collection:	8/13/03	1428	Client
Extraction:	8/18/03	800	WTD
Analysis:	8/21/03	658	WTD

Sample Type: Water
Extraction Method: 3510C
Analysis Method: 8270C

			BT88747			BLANK			Matrix Spike			Matrix Spike Duplicate			
			Detected	Spike		Detected	Spike		Detected	Spike		Detected	Spike		
Compound Name	CAS Number	PQL* ug/L (ppb)	Amount ug/L (ppb)	Amount ug	% Recovery	Amount ug/L (ppb)	Amount ug	% Recovery	Amount ng/ul in the extract	Amount ug	% Recovery	Amount ng/ul in the extract	Amount ug	% Recovery	
N-Nitrosodiphenylamine	86-30-6	10.0	ND			ND			ND			ND			
4-Bromophenyl-phenylether	101-55-3	10.0	ND			ND			ND			ND			
Hexachlorobenzene	118-74-1	10.0	ND			ND			ND			ND			
Pentachlorophenol	87-86-5	10.0	ND			ND			144.86	150.00	96.57	63.51	150.00	42.34	
Phenanthrene	85-01-8	10.0	ND			ND			ND			ND			
Anthracene	120-12-7	10.0	ND			ND			ND			ND			
Di-n-butylphthalate	84-74-2	10.0	ND			ND			ND			ND			
Fluoranthene	206-44-0	10.0	ND			ND			ND			ND			
Pyrene	129-00-0	10.0	ND			ND			69.76	100.00	69.76	73.39	100.00	73.39	
Butylbenzylphthalate	85-68-7	10.0	ND			ND			ND			ND			
Benzo(a)anthracene	56-55-3	10.0	ND			ND			ND			ND			
3,3'-Dichlorobenzidiene	91-94-1	10.0	ND			ND			ND			ND			
Chrysene	218-01-9	10.0	ND			ND			ND			ND			
Bis(2-ethylhexyl)phthalate	117-81-7	10.0	ND			ND			ND			ND			
Di-n-octylphthalate	117-84-0	10.0	ND			ND			ND			ND			
Benzo(b)fluoranthene	205-99-2	10.0	ND			ND			ND			ND			
Benzo(k)fluoranthene	207-08-9	10.0	ND			ND			ND			ND			
Benzo(a)pyrene	50-32-8	10.0	ND			ND			ND			ND			
Indeno(1,2,3-c,d)pyrene	193-39-5	10.0	ND			ND			ND			ND			
Dibenzo(a,h)anthracene	53-70-3	10.0	ND			ND			ND			ND			
Benzo(g,h,i)perylene	191-24-2	10.0	ND			ND			ND			ND			
Surrogate Compounds			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	
2-Fluorophenol			14.89	200.00	7.45	70.09	200.00	35.05	46.24	200.00	23.12	1.24	200.00	0.62	*
Phenol-d5			28.11	200.00	14.06	49.78	200.00	24.89	37.40	200.00	18.70	5.97	200.00	2.99	*
Nitrobenzene-d5			49.38	100.00	49.38	60.18	100.00	60.18	58.22	100.00	58.22	70.40	100.00	70.40	
2-Fluorobiphenyl			53.57	100.00	53.57	50.59	100.00	50.59	60.87	100.00	60.87	68.93	100.00	68.93	
2,4,6-Tribromophenol			66.30	200.00	33.15	131.52	200.00	65.76	127.57	200.00	63.79	3.22	200.00	1.61	*
Terphenyl-d14			78.04	100.00	78.04	75.96	100.00	75.96	75.12	100.00	75.12	79.84	100.00	79.84	

*PQL is defined as the low point on the calibration curve.

Certified by: 

Micheal S. Bonner, Ph. D.
Bonner Analytical Testing Company

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

Client: **Hercules/Eco-Systems**
Sample ID: HER-BD02
File #: BT88747

	Date		Analyst
Collected:	08/13/03		Client
Extracted:	08/15/03	9:45	SCF
Analyzed:	09/12/03		SCF

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

COMPOUNDS	PQL ug/L (ppb)	SAMPLE			METHOD BLANK			MATRIX SPIKE			MATRIX SPIKE DUPLICATE		
		Detected Amount ug/L (ppb)	Spike		Detected Amount ug/L (ppb)	Spike		Detected Amount ug/mL (ppm)	Spike		Detected Amount ug/mL (ppm)	Spike	
			Amount ug/L	% Recovery		Amount ug/L	% Recovery		Amount ug/mL	% Recovery		Amount ug/mL	% Recovery
Dioxenethion	0.400	ND			ND			4.55	5.00	93.4	4.85	5.00	99.8
Dioxathion (cis)	0.400	ND			ND			5.30	5.00	87.0	4.43	5.00	93.0
Dioxathion (trans)	0.400	ND			ND			4.81	5.00	71.4	4.77	5.00	84.0
SURROGATE COMPOUNDS		Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
Naphthalene		2.12	5.00	42.4	2.99	5.00	59.8	4.55	5.00	91.0	4.18	5.00	83.6

*PQL's are the lowest point on the calibration curve

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

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

Client: **Hercules/Eco-Systems**
Sample ID: HER-BD03
File #: BT88956

Collected: 08/28/03 _____ Client
Extracted: 09/03/03 13:45 SCF
Analyzed: 10/31/03 _____ SCF
Date Analyst

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

COMPOUNDS	PQL ug/L (ppb)	SAMPLE			METHOD BLANK			MATRIX SPIKE			MATRIX SPIKE DUPLICATE		
		Detected Amount ug/L (ppb)	Spike		Detected Amount ug/L (ppb)	Spike		Detected Amount ug/mL (ppm)	Spike		Detected Amount ug/mL (ppm)	Spike	
			Amount ug/L	% Recovery		Amount ug/L	% Recovery		Amount ug/mL	% Recovery		Amount ug/mL	% Recovery
Dioxenethion	0.400	ND			ND			4.67	5.00	93.4	4.69	5.00	93.8
Dioxathion (cis)	0.400	ND			ND			4.79	5.00	95.8	4.82	5.00	96.4
Dioxathion (trans)	0.400	ND			ND			4.35	5.00	87.0	4.19	5.00	83.8
SURROGATE COMPOUNDS		Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
Naphthalene		4.48	5.00	89.6	2.99	5.00	59.8	4.13	5.00	82.6	4.89	5.00	97.8

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

BONNER ANALYTICAL TESTING COMPANY
QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
VOLATILE ORGANICS - GC/MS ANALYSIS DATA

Client: Eco Systems Inc.
Location: **HER-RS01**
File #: BT88705

Collected: 08/12/03 7:30 Client
Received: 08/12/03 13:30 JR
Analyzed: 08/13/03 4:29 MGJ
Date Time Analyst

Sample Type: Water
Analysis Method: 8260B
Project Number: 007413

Compound Name	CAS Number	PQL ug/L (ppb)	SAMPLE			BLANK			MATRIX SPIKE (BT88702)			MATRIX SPIKE DUP (BT88703)		
			Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery
1,1-Dichloroethene	75-35-4	5.00	ND			ND			59.8	250	120	58.7	250	117
Benzene	71-43-2	1.00	ND			ND			58.3	250	117	58.2	250	116
Trichloroethene	79-01-6	1.00	ND			ND			59.9	250	120	56.8	250	114
Toluene	108-88-3	1.00	ND			ND			59.2	250	118	58.4	250	117
Chlorobenzene	108-90-7	1.00	ND			ND			53.8	250	108	55.8	250	112
Bromobenzene	108-86-1	1.00	ND			ND			ND			ND		
Bromochloromethane	74-97-5	1.00	ND			ND			ND			ND		
Bromodichloromethane	75-27-4	1.00	ND			ND			ND			ND		
Bromoform	75-25-2	1.00	ND			ND			ND			ND		
Bromomethane	74-83-9	5.00	ND			ND			ND			ND		
n-Butylbenzene	104-51-8	1.00	ND			ND			ND			ND		
sec-Butylbenzene	135-98-8	1.00	ND			ND			ND			ND		
tert-Butylbenzene	98-06-6	1.00	ND			ND			ND			ND		
Carbon Tetrachloride	56-23-5	1.00	ND			ND			ND			ND		
Chloroethane	75-00-3	5.00	ND			ND			ND			ND		
Chloroform	66-67-3	1.00	ND			ND			ND			ND		
Chloromethane	74-87-3	1.00	ND			ND			ND			ND		
2-Chlorotoluene	95-49-8	1.00	ND			ND			ND			ND		
4-Chlorotoluene	106-43-4	1.00	ND			ND			ND			ND		
Dibromochloromethane	124-48-1	1.00	ND			ND			ND			ND		
1,2-Dibromo-3-chloropropane	96-12-8	1.00	ND			ND			ND			ND		
1,2-Dibromoethane	106-93-4	1.00	ND			ND			ND			ND		
Dibromomethane	74-95-3	1.00	ND			ND			ND			ND		
1,2-Dichlorobenzene	95-50-1	1.00	ND			ND			ND			ND		
1,3-Dichlorobenzene	541-73-1	1.00	ND			ND			ND			ND		
1,4-Dichlorobenzene	106-46-7	1.00	ND			ND			ND			ND		
Dichlorodifluoromethane	75-71-8	1.00	ND			ND			ND			ND		
1,1-Dichloroethane	75-34-3	5.00	ND			ND			ND			ND		
1,2-Dichloroethane	107-06-2	1.00	ND			ND			ND			ND		
cis-1,2-Dichloroethene	156-59-2	1.00	ND			ND			ND			ND		
trans-1,2-Dichloroethene	156-60-5	5.00	ND			ND			ND			ND		
1,2-Dichloropropane	78-87-5	1.00	ND			ND			ND			ND		
1,3-Dichloropropane	142-28-9	1.00	ND			ND			ND			ND		
2,2-Dichloropropane	594-20-7	5.00	ND			ND			ND			ND		
1,1-Dichloropropene	563-58-6	1.00	ND			ND			ND			ND		
c-1,3-Dichloropropene	10061-01-5	1.00	ND			ND			ND			ND		
t-1,3-Dichloropropene	10061-02-6	1.00	ND			ND			ND			ND		
Ethyl benzene	100-41-4	1.00	ND			ND			ND			ND		
Hexachlorobutadiene	87-68-3	1.00	ND			ND			ND			ND		
Isopropylbenzene	98-82-8	1.00	ND			ND			ND			ND		
p-Isopropyltoluene	99-87-6	1.00	ND			ND			ND			ND		
Methylene chloride	75-09-2	5.00	ND			ND			12.4			12.0		
Naphthalene	91-20-3	5.00	ND			ND			ND			ND		
n-Propylbenzene	103-65-1	1.00	ND			ND			72.1			71.2		
									ND			ND		

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
VOLATILE ORGANICS - GC/MS ANALYSIS DATA

Client: Eco Systems Inc.
Location: **HER-RS01**
File #: BT88705

Collected:	08/12/03	7:30	Client
Received:	08/12/03	13:30	JR
Analysis:	08/13/03	4:29	MGJ
	Date	Time	Analyst

Sample Type: Water
Analysis Method: 8260B
Project Number: 007413

Compound Name	CAS Number	PQL ug/L (ppb)	SAMPLE			BLANK			MATRIX SPIKE			MATRIX SPIKE DUP		
			Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Amount ug	% Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery	Detected Amount ug/L (ppb)	Spike Amount ng	Spike % Recovery
Styrene	100-42-5	1.00	ND			ND			ND			ND		
1,1,1,2-Tetrachloroethane	630-20-6	5.00	ND			ND			ND			ND		
1,1,2,2-Tetrachloroethane	79-34-5	1.00	ND			ND			ND			ND		
Tetrachloroethene	127-18-4	1.00	ND			ND			ND			ND		
1,2,3-Trichlorobenzene	87-61-6	5.00	ND			ND			ND			ND		
1,2,4-Trichlorobenzene	120-82-1	5.00	ND			ND			ND			ND		
1,1,1-Trichloroethane	71-55-6	1.00	ND			ND			ND			ND		
1,1,2-Trichloroethane	79-00-5	1.00	ND			ND			ND			ND		
Trichlorofluoromethane	75-69-4	1.00	ND			ND			ND			ND		
1,2,3-Trichloropropane	96-18-4	5.00	ND			ND			ND			ND		
1,2,4-Trimethylbenzene	95-63-6	1.00	ND			ND			ND			ND		
1,3,5-Trimethylbenzene	108-67-8	1.00	ND			ND			ND			ND		
Vinyl chloride	75-01-4	1.00	ND			ND			ND			ND		
Xylenes (total)	1330-20-7	1.00	ND			ND			ND			ND		
Surrogate Compounds			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
1,2-Dichloroethane-d4	17060-07-0		49.5	250	99.0	43.2	250	86.5	48.0	250	95.9	46.0	250	92.1
Dibromofluoromethane	1868-53-7		44.2	250	88.3	43.7	250	87.5	44.5	250	89.0	44.0	250	88.0
Toluene-d8	2037-26-5		53.9	250	108	54.0	250	108	54.7	250	109	54.2	250	108
4-Bromofluorobenzene	460-00-4		53.9	250	108	50.8	250	102	52.3	250	105	50.9	250	102

PQL is set as low point on the curve

Certified by:

Michael S. Bonner,Ph. D.
Bonner Analytical Testing Company

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

Client: **Hercules/Eco-Systems**
Sample ID: HER-RS-01
File #: BT88705

Collected: 08/12/03 7:30 Client
Extracted: 08/15/03 9:45 SCF
Analyzed: 09/12/03 SCF
Date Analyst

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

COMPOUNDS	PQL ug/L (ppb)	SAMPLE			METHOD BLANK			MATRIX SPIKE			MATRIX SPIKE DUPLICATE		
		Detected Amount ug/L (ppb)	Spike		Detected Amount ug/L (ppb)	Spike		Detected Amount ug/mL (ppm)	Spike		Detected Amount ug/mL (ppm)	Spike	
			Amount ug/L	% Recovery		Amount ug/L	% Recovery		Amount ug/mL	% Recovery		Amount ug/mL	% Recovery
Dioxenethion	0.400	ND			ND			4.55	5.00	93.4	4.85	5.00	99.8
Dioxathion (cis)	0.400	ND			ND			5.30	5.00	87.0	4.43	5.00	93.0
Dioxathion (trans)	0.400	ND			ND			4.81	5.00	71.4	4.77	5.00	84.0
SURROGATE COMPOUNDS		Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
Naphthalene		3.26	5.00	65.2	2.99	5.00	59.8	4.55	5.00	91.0	4.18	5.00	83.6

*PQL's are the lowest point on the calibration curve

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

SAMPLE RECEIPT FORM

6412

Client: Hercules Date: 8-29-03

Sample Description: dioxathion SDG#: Case#:

1) Does this project fall under NPDES, RCRA, CLP, Litigation or other EPA guidelines.	NA	(YES)	NO
2) Did Cooler come with airbill/sticker? Circle carrier: UPS, FedEx, other:_____ If YES, enter airbill number here:	(NA)	YES	NO
3) Are custody seals on the outside of the cooler intact? Custody Seal#:_____	(NA)	YES	NO
Custody Seal#:_____ Custody Seal#:_____	(NA)	YES	NO
4) Are all bottles sealed in separate plastic bags?	(NA)	YES	NO
5) Are samples requiring no headspace, headspace free?	(NA)	YES	NO
6) Packing Material: Bubblewrap, peanuts, vermiculite, other: ice		(YES)	NO
7) Are chains of custody filled out properly? (ink, signed, dates, etc.)		(YES)	NO
8) Are all bottle labels complete and agree with COC? (ID, time, date, preservation?)		(YES)	NO
9) Were all bottles received intact?		(YES)	NO
10) Were correct containers used for the tests indicated? Who's: BATCO/(Client)		(YES)	NO
11) Was a sufficient aliquot of sample sent for tests indicated?		(YES)	NO
12) Are samples within holding times for requested analysis?		(YES)	NO

13) Sample Preservation?

A) If samples were collected within 6 hours of receipt, has chilling begun?	(NA)	YES	NO
B) If samples were received beyond 6 hours of collection:	NA	(YES)	NO
1) Is there a temperature blank?	NA	YES	(NO)
2) If Yes, are samples received at 4°C?	(NA)	YES	NO
3) If No, are samples on ice?	NA	(YES)	NO
4) Temperature?_____			
C) Have samples been checked for correct preservation?	NA	(YES)	NO
1) If sample/s doesn't meet preservation, list deviation?			

_____

_____

_____

14) Describe "NO" items for the above if # 1) response is NA or YES

_____

_____

_____

Is there a Corrective Action and/or Client Contact form attached? YES (NO)

Signature: _____

Rev No. 1.3

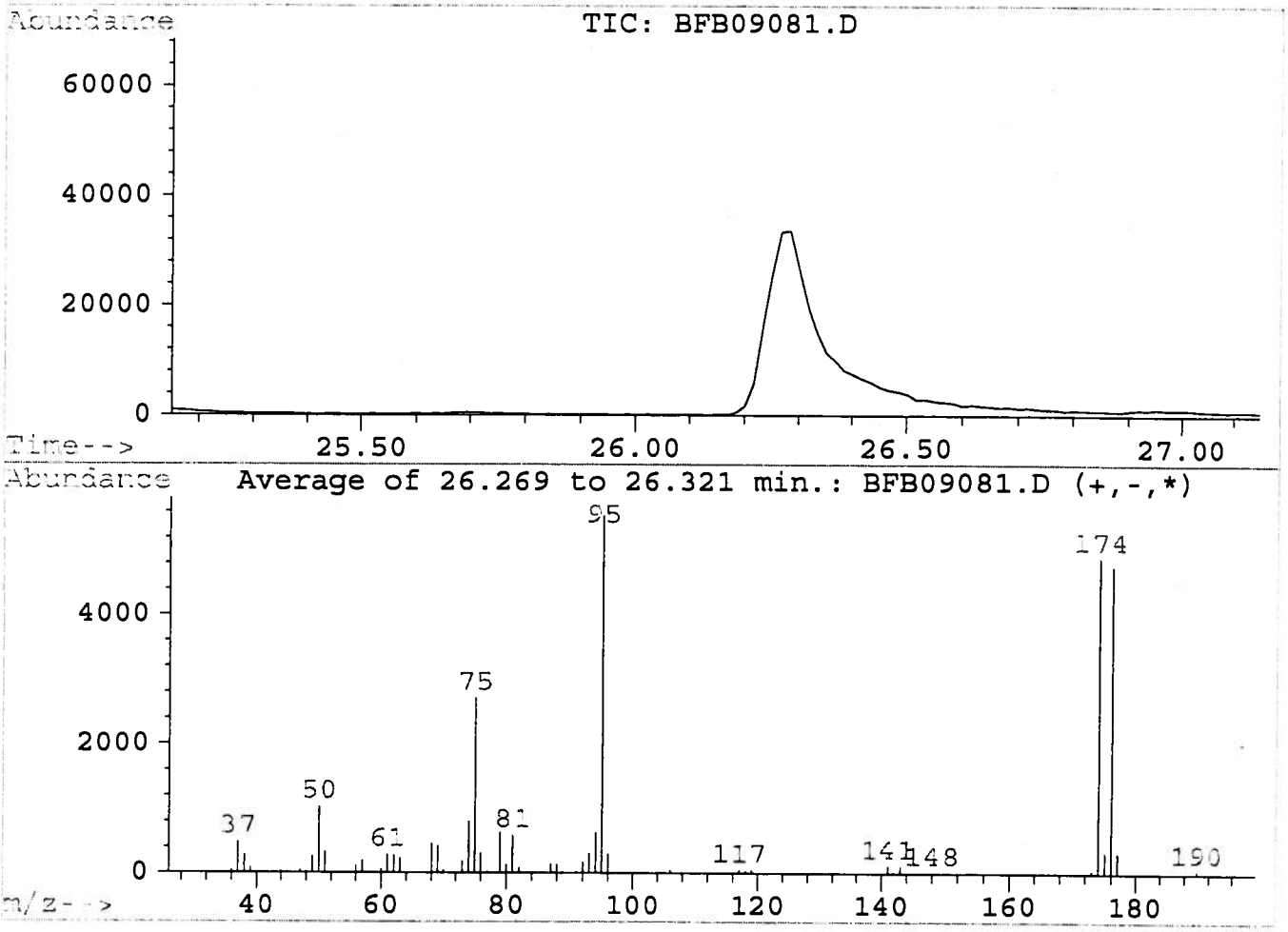
Date: 09/23/02

BFB

Data File : D:\MSCONV\BFB09081.D
Acq Time : Sep 5, 2003 7:26:57.48
Sample : BFB
Misc :

Operator:
Inst :
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B



Peak Apex is scan: 1328

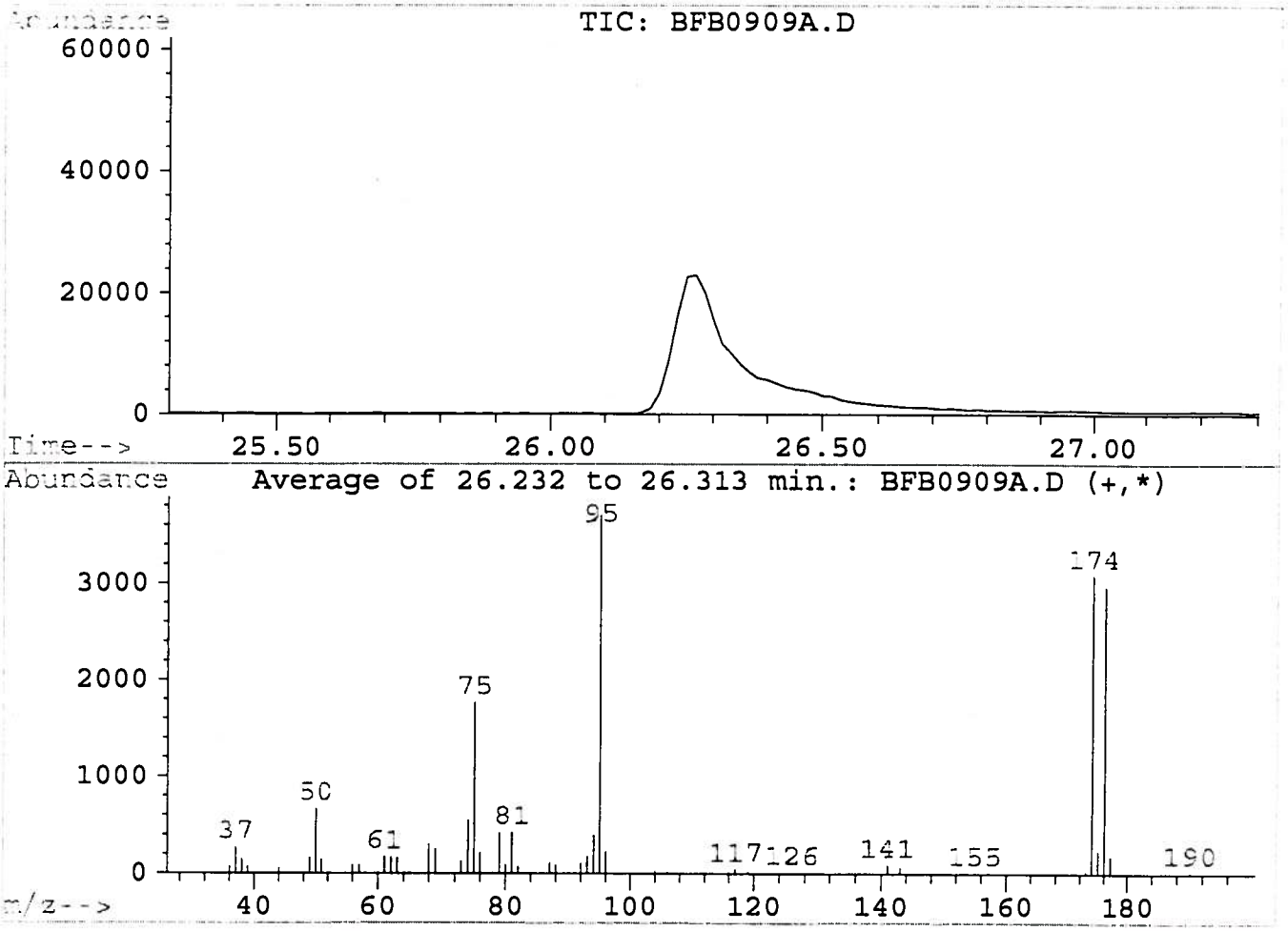
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	1022	PASS
75	95	30	60	48.8	2701	PASS
95	95	100	100	100.0	5532	PASS
96	95	5	9	5.4	296	PASS
173	174	0	2	0.9	46	PASS
174	95	50	100	88.4	4889	PASS
175	174	5	9	6.7	329	PASS
176	174	95	101	97.2	4753	PASS
177	176	5	9	6.7	320	PASS

BFB09081.D 090503.M Fri Sep 12 10:56:54 2003

BFB

Data File : D:\MSCONV\BFB0909A.D
Acq Time : Sep 7, 2003 8:55:58.87 Operator:
Sample : BFB Inst :
Misc : Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\01CURVES\BTX0905.M
Title : 5-Point Calibration for Method 8260B



Peak Apex is scan: 1337

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.0	666	PASS
75	95	30	60	47.7	1766	PASS
95	95	100	100	100.0	3701	PASS
96	95	5	9	6.1	225	PASS
173	174	0	2	0.7	22	PASS
174	95	50	100	83.3	3084	PASS
175	174	5	9	7.5	230	PASS
176	174	95	101	96.1	2964	PASS
177	176	5	9	5.9	175	PASS

BFB0909A.D BTX0905.M Fri Sep 12 10:38:00 2003

Evaluate Continuing Calibration Report

Data File : D:\MSCONV\CCC09081.D
Acq Time : Sep 5, 2003 16:10:43.76 Operator:
Sample : CCC Inst :
Misc : Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\01CURVES\CCC0905.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:57:39 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRRF	CCRRF	%Dev	Area%	Dev(Min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	-0.14
2	S	1,2-Dichloroethane-d4	0.019	0.021	-10.5	111	-0.19
3	S	Dibromofluoromethane	0.446	0.450	-0.8	103	-0.18
4	P	Chloromethane	0.034	0.033	2.2	85	0.02
5	C	Vinyl Chloride	0.238	0.283	-18.7	101	0.18
6	P	1,1-Dichloroethene	0.235	0.260	-10.8	97	-0.22
7	C	1,1-Dichloroethane	0.435	0.485	-11.6	101	-0.20
8	C	Chloroform	0.743	0.720	3.1	101	-0.17
9	P	Trichloroethene	0.318	0.346	-8.9	102	-0.17
10	C	Toluene	0.621	0.633	-2.0	100	-0.11
11	I	Chlorobenzene-d5	1.000	1.000	0.0	103	-0.25
12	S	Toluene-d8	1.837	1.783	2.9	101	-0.07
13	P	Chlorobenzene	0.920	0.955	-3.8	97	-0.08
14	C	Ethylbenzene	0.398	0.397	0.2	102	-0.03
15	P	Bromoform	0.091	0.106	-15.9	107	-0.05
16	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	-0.09
17	S	4-Bromofluorobenzene	1.022	0.958	6.2	105	-0.07
18	P	1,1,2,2-Tetrachloroethane	0.347	0.377	-8.7	108	-0.04

(#) = Out of Range SPCC's out = 0 CCC's out = 0
090503D.D CCC0905.M Fri Sep 12 11:06:47 2003

Evaluate Continuing Calibration Report

Data File : D:\MSCONV\CCC09091.D
Acq Time : Sep 7, 2003 10:19:13.52 Operator:
Sample : CCC Inst :
Misc : Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\01CURVES\CCC0905.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:57:39 2003
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRRF	CCRRF	%Dev	Area%	Dev(Min)
1	I	Fluorobenzene	1.000	1.000	0.0	105	-0.21
2	S	1,2-Dichloroethane-d4	0.019	0.018	2.7	102	-0.24
3	S	Dibromofluoromethane	0.446	0.458	-2.5	109	-0.22
4	P	Chloromethane	0.034	0.036	-5.4	96	-0.03
5	C	Vinyl Chloride	0.238	0.279	-17.0	104	0.15
6	P	1,1-Dichloroethene	0.235	0.257	-9.3	100	-0.25
7	C	1,1-Dichloroethane	0.435	0.483	-11.2	105	-0.24
8	C	Chloroform	0.743	0.708	4.7	103	-0.20
9	P	Trichloroethene	0.318	0.342	-7.6	105	-0.20
10	C	Toluene	0.621	0.625	-0.7	103	-0.17
11	I	Chlorobenzene-d5	1.000	1.000	0.0	107	-0.32
12	S	Toluene-d8	1.837	1.778	3.2	105	-0.13
13	P	Chlorobenzene	0.920	0.989	-7.5	104	-0.13
14	C	Ethylbenzene	0.398	0.374	5.9	99	-0.08
15	P	Bromoform	0.091	0.109	-18.8	114	-0.10
16	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	112	-0.12
17	S	4-Bromofluorobenzene	1.022	0.946	7.4	112	-0.12
18	P	1,1,2,2-Tetrachloroethane	0.347	0.383	-10.3	119	-0.09

(#) = Out of Range SPCC's out = 0 CCC's out = 0
090503D.D CCC0905.M Fri Sep 12 10:50:28 2003

Quantitation Report

Data File : D:\MSCONV\LCS09081.D
Acq Time : Sep 5, 2003 11:09:25.25 Operator:
Sample : LCS Inst :
Misc : Multiplr: 1.00
Quant Time: Sep 12 11:08 19103

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	13.45	96	161212	50.00	ug/L	-0.13
31) Chlorobenzene-d5	22.75	117	141948	50.00	ug/L	-0.25
45) 1,4-Dichlorobenzene-d4	28.53	152	43675	50.00	ug/L	-0.04
System Monitoring Compounds						%Recovery
2) 1,2-Dichloroethane-d4	12.53	102	3025	49.37	ugL	98.75%
3) Dibromofluoromethane	11.35	113	73238	50.88	ug/L	101.75%
32) Toluene-d8	18.12	98	262435	50.33	ug/L	100.65%
46) 4-Bromofluorobenzene	26.30	95	50131	56.17	ug/L	112.35%
Target Compounds						Qvalue
4) Dichlorodifluoromethane	0.00	85		Not Detected		
5) Chloromethane	0.00	49		Not Detected		
6) Vinyl Chloride	0.00	62		Not Detected		
7) Bromomethane	0.00	94		Not Detected		
8) Chloroethane	0.00	49		Not Detected		
9) Trichlorofluoromethane	0.00	101		Not Detected		
10) 1,1-Dichloroethene	0.00	96		Not Detected		
11) Methylene Chloride	0.00	84		Not Detected		
12) t-1,2-Dichloroethene	0.00	96		Not Detected		
13) 1,1-Dichloroethane	0.00	63		Not Detected		
14) 2,2-Dichloropropane	0.00	77		Not Detected		
15) c-1,2-Dichloroethene	0.00	61		Not Detected		
16) Chloroform	0.00	83		Not Detected		
17) Bromochloromethane	0.00	49		Not Detected		
18) 1,1,1-Trichloroethane	0.00	97		Not Detected		
19) Carbon Tetrachloride	0.00	117		Not Detected		
20) 1,1-Dichloropropene	0.00	75		Not Detected		
21) Benzene	12.90	78	192141	53.14	ug/L	100
22) 1,2-Dichloroethane	0.00	62		Not Detected		
23) Trichloroethene	14.55	95	55996	54.69	ug/L	97
24) 1,2-Dichloropropane	0.00	63		Not Detected		
25) Bromodichloromethane	0.00	83		Not Detected		
26) Dibromomethane	0.00	93		Not Detected		
27) c-1,3-Dichloropropene	0.00	75		Not Detected		
28) Toluene	18.35	92	100559	50.23	ug/L	93
29) t-1,3-Dichloropropene	0.00	75		Not Detected		
30) 1,1,2-Trichloroethane	0.00	83		Not Detected		
33) Tetrachloroethene	0.00	166		Not Detected		
34) 1,3-Dichloropropane	0.00	76		Not Detected		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\MSCONV\LCS09081.D
Acq Time : Sep 5, 2003 11:09:25.25 Operator:
Sample : LCS Inst :
Misc : Multiplr: 1.00
Quant Time: Sep 12 11:08 19103

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration

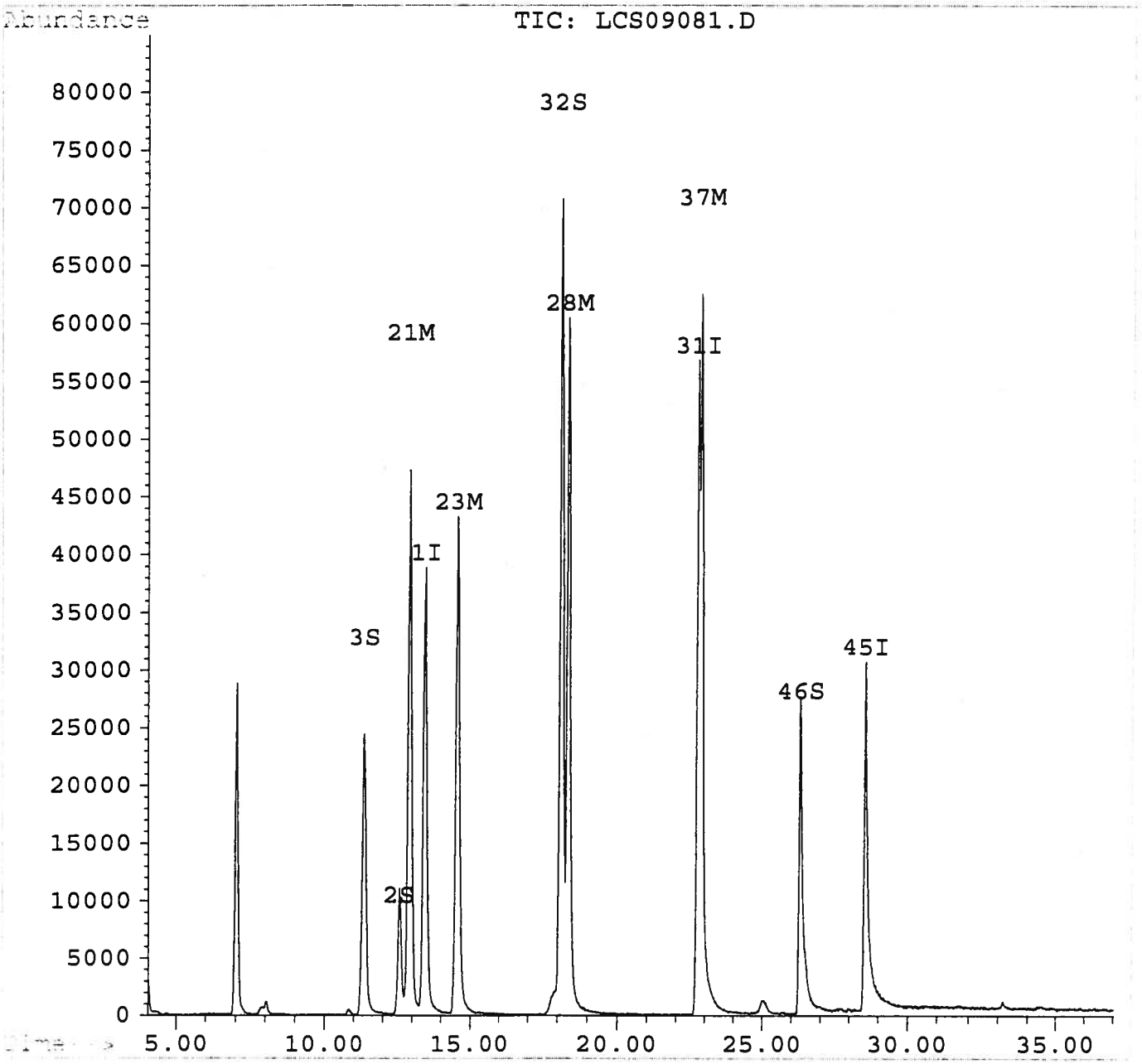
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35)	Dibromochloromethane	0.00	129		Not Detected	
36)	1,2-Dibromoethane	0.00	107		Not Detected	
37)	Chlorobenzene	22.85	112	147683	56.57 ug/L	98
38)	1,1,1,2-Tetrachloroethane	0.00	131		Not Detected	
39)	Ethylbenzene	0.00	106		Not Detected	
40)	p,m-Xylene	0.00	106		Not Detected	
41)	o-Xylene	0.00	106		Not Detected	
42)	Styrene	0.00	104		Not Detected	
43)	Bromoform	0.00	173		Not Detected	
44)	Isopropylbenzene	0.00	105		Not Detected	
47)	1,1,2,2-Tetrachloroethane	0.00	83		Not Detected	
48)	Bromobenzene	0.00	156		Not Detected	
49)	1,2,3-Trichloropropane	0.00	75		Not Detected	
50)	n-Propylbenzene	0.00	91		Not Detected	
51)	2-Chlorotoluene	0.00	91		Not Detected	
52)	1,3,5-Trimethylbenzene	0.00	105		Not Detected	
53)	4-Chlorotoluene	0.00	91		Not Detected	
54)	t-Butylbenzene	0.00	119		Not Detected	
55)	1,2,4-Trimethylbenzene	0.00	105		Not Detected	
56)	sec-Butylbenzene	0.00	105		Not Detected	
57)	p-Isopropyltoluene	0.00	119		Not Detected	
58)	1,3-Dichlorobenzene	0.00	146		Not Detected	
59)	1,4-Dichlorobenzene	0.00	146		Not Detected	
60)	n-Butylbenzene	0.00	91		Not Detected	
61)	1,2-Dichlorobenzene	0.00	146		Not Detected	
62)	1,2-Dibromo-3-chloropropan	0.00	75		Not Detected	
63)	1,2,4-Trichlorobenzene	0.00	180		Not Detected	
64)	Hexachlorobutadiene	0.00	225		Not Detected	
65)	Naphthalene	0.00	128		Not Detected	
66)	1,2,3-Trichlorobenzene	0.00	180		Not Detected	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\MSCONV\LCS09081.D
Acq Time : Sep 5, 2003 11:09:25.25 Operator:
Sample : LCS Inst :
Misc : Multiplr: 1.00
Quant Time: Sep 12 11:08 19103

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration



Quantitation Report

Data File : D:\MSCONV\BT88952.D
Acq Time : Sep 7, 2003 12:24:15.14 Operator:
Sample : HER-MW10-MS Inst :
Misc : Multiplr: 1.00
Quant Time: Sep 12 11:14 19103

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	13.38	96	156740	50.00 ug/L	-0.19
31) Chlorobenzene-d5	22.70	117	142263	50.00 ug/L	-0.30
45) 1,4-Dichlorobenzene-d4	28.50	152	43089	50.00 ug/L	-0.07
System Monitoring Compounds					%Recovery
2) 1,2-Dichloroethane-d4	12.48	102	2904	48.75 ugL	97.50%
3) Dibromofluoromethane	11.30	113	71313	50.95 ug/L	101.91%
32) Toluene-d8	18.07	98	253222	48.45 ug/L	96.90%
46) 4-Bromofluorobenzene	26.25	95	49255	55.94 ug/L	111.89%
Target Compounds					Qvalue
4) Dichlorodifluoromethane	0.00	85		Not Detected	
5) Chloromethane	0.00	49		Not Detected	
6) Vinyl Chloride	0.00	62		Not Detected	
7) Bromomethane	0.00	94		Not Detected	
8) Chloroethane	0.00	49		Not Detected	
9) Trichlorofluoromethane	0.00	101		Not Detected	
10) 1,1-Dichloroethene	6.97	96	36722	49.87 ug/L m	0
11) Methylene Chloride	0.00	84		Not Detected	
12) t-1,2-Dichloroethene	0.00	96		Not Detected	
13) 1,1-Dichloroethane	0.00	63		Not Detected	
14) 2,2-Dichloropropane	0.00	77		Not Detected	
15) c-1,2-Dichloroethene	0.00	61		Not Detected	
16) Chloroform	0.00	83		Not Detected	
17) Bromochloromethane	0.00	49		Not Detected	
18) 1,1,1-Trichloroethane	0.00	97		Not Detected	
19) Carbon Tetrachloride	0.00	117		Not Detected	
20) 1,1-Dichloropropene	0.00	75		Not Detected	
21) Benzene	12.85	78	170541	48.51 ug/L	100
22) 1,2-Dichloroethane	0.00	62		Not Detected	
23) Trichloroethene	14.48	95	51378	51.61 ug/L	98
24) 1,2-Dichloropropane	0.00	63		Not Detected	
25) Bromodichloromethane	0.00	83		Not Detected	
26) Dibromomethane	0.00	93		Not Detected	
27) c-1,3-Dichloropropene	0.00	75		Not Detected	
28) Toluene	18.32	92	89840	46.16 ug/L	91
29) t-1,3-Dichloropropene	0.00	75		Not Detected	
30) 1,1,2-Trichloroethane	0.00	83		Not Detected	
33) Tetrachloroethene	0.00	166		Not Detected	
34) 1,3-Dichloropropane	0.00	76		Not Detected	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\MSCONV\BT88952.D
Acq Time : Sep 7, 2003 12:24:15.14 Operator:
Sample : HER-MW10-MS Inst :
Misc : Multiplr: 1.00
Quant Time: Sep 12 11:14 19103

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration

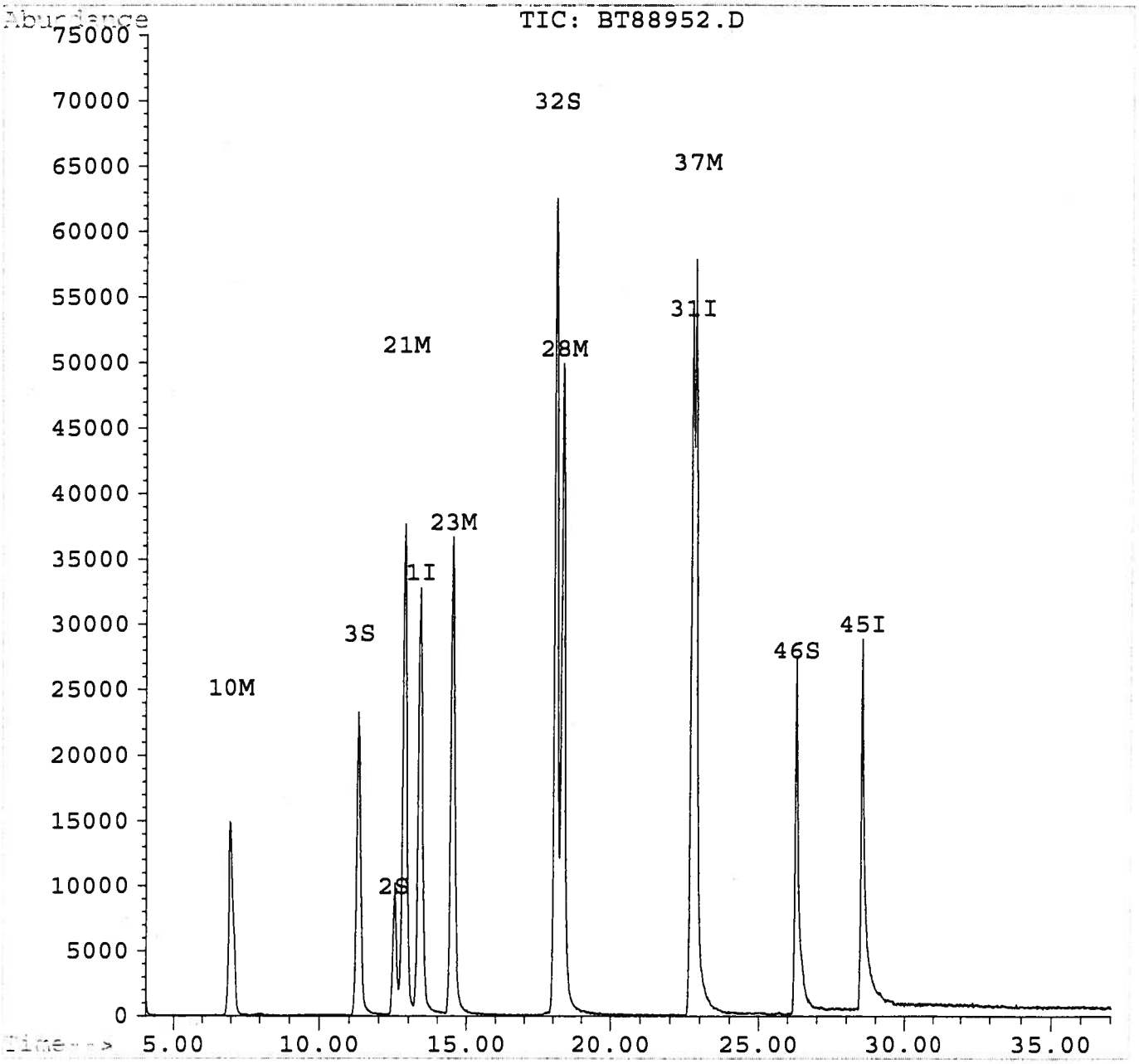
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35)	Dibromochloromethane	0.00	129		Not Detected	
36)	1,2-Dibromoethane	0.00	107		Not Detected	
37)	Chlorobenzene	22.82	112	132786	50.75 ug/L	100
38)	1,1,1,2-Tetrachloroethane	0.00	131		Not Detected	
39)	Ethylbenzene	0.00	106		Not Detected	
40)	p,m-Xylene	0.00	106		Not Detected	
41)	o-Xylene	0.00	106		Not Detected	
42)	Styrene	0.00	104		Not Detected	
43)	Bromoform	0.00	173		Not Detected	
44)	Isopropylbenzene	0.00	105		Not Detected	
47)	1,1,2,2-Tetrachloroethane	0.00	83		Not Detected	
48)	Bromobenzene	0.00	156		Not Detected	
49)	1,2,3-Trichloropropane	0.00	75		Not Detected	
50)	n-Propylbenzene	0.00	91		Not Detected	
51)	2-Chlorotoluene	0.00	91		Not Detected	
52)	1,3,5-Trimethylbenzene	0.00	105		Not Detected	
53)	4-Chlorotoluene	0.00	91		Not Detected	
54)	t-Butylbenzene	0.00	119		Not Detected	
55)	1,2,4-Trimethylbenzene	0.00	105		Not Detected	
56)	sec-Butylbenzene	0.00	105		Not Detected	
57)	p-Isopropyltoluene	0.00	119		Not Detected	
58)	1,3-Dichlorobenzene	0.00	146		Not Detected	
59)	1,4-Dichlorobenzene	0.00	146		Not Detected	
60)	n-Butylbenzene	0.00	91		Not Detected	
61)	1,2-Dichlorobenzene	0.00	146		Not Detected	
62)	1,2-Dibromo-3-chloropropan	0.00	75		Not Detected	
63)	1,2,4-Trichlorobenzene	0.00	180		Not Detected	
64)	Hexachlorobutadiene	0.00	225		Not Detected	
65)	Naphthalene	0.00	128		Not Detected	
66)	1,2,3-Trichlorobenzene	0.00	180		Not Detected	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\MSCONV\BT88952.D
Acq Time : Sep 7, 2003 12:24:15.14 Operator:
Sample : HER-MW10-MS Inst :
Misc : Multiplr: 1.00
Quant Time: Sep 12 11:14 19103

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration



Quantitation Report

Data File : D:\MSCONV\BT88953.D
Acq Time : Sep 7, 2003 13:05:56.22 Operator:
Sample : HER-MW10-MSD Inst :
Misc : Multiplr: 1.00
Quant Time: Sep 12 11:16 19103

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	13.37	96	154024	50.00	ug/L	-0.21
31) Chlorobenzene-d5	22.70	117	137212	50.00	ug/L	-0.30
45) 1,4-Dichlorobenzene-d4	28.50	152	41318	50.00	ug/L	-0.07
System Monitoring Compounds						%Recovery
2) 1,2-Dichloroethane-d4	12.52	102	2964	50.64	ugL	101.27%
3) Dibromofluoromethane	11.30	113	70154	51.01	ug/L	102.02%
32) Toluene-d8	18.05	98	250021	49.60	ug/L	99.20%
46) 4-Bromofluorobenzene	26.25	95	47493	56.25	ug/L	112.51%
Target Compounds						Qvalue
4) Dichlorodifluoromethane	0.00	85		Not Detected		
5) Chloromethane	0.00	49		Not Detected		
6) Vinyl Chloride	0.00	62		Not Detected		
7) Bromomethane	0.00	94		Not Detected		
8) Chloroethane	0.00	49		Not Detected		
9) Trichlorofluoromethane	0.00	101		Not Detected		
10) 1,1-Dichloroethene	6.95	96	36026	49.79	ug/L m	0
11) Methylene Chloride	0.00	84		Not Detected		
12) t-1,2-Dichloroethene	0.00	96		Not Detected		
13) 1,1-Dichloroethane	0.00	63		Not Detected		
14) 2,2-Dichloropropane	0.00	77		Not Detected		
15) c-1,2-Dichloroethene	0.00	61		Not Detected		
16) Chloroform	0.00	83		Not Detected		
17) Bromochloromethane	0.00	49		Not Detected		
18) 1,1,1-Trichloroethane	0.00	97		Not Detected		
19) Carbon Tetrachloride	0.00	117		Not Detected		
20) 1,1-Dichloropropene	0.00	75		Not Detected		
21) Benzene	12.85	78	175397	50.77	ug/L	100
22) 1,2-Dichloroethane	0.00	62		Not Detected		
23) Trichloroethene	14.48	95	50688	51.82	ug/L	95
24) 1,2-Dichloropropane	0.00	63		Not Detected		
25) Bromodichloromethane	0.00	83		Not Detected		
26) Dibromomethane	0.00	93		Not Detected		
27) c-1,3-Dichloropropene	0.00	75		Not Detected		
28) Toluene	18.30	92	91496	47.84	ug/L	97
29) t-1,3-Dichloropropene	0.00	75		Not Detected		
30) 1,1,2-Trichloroethane	0.00	83		Not Detected		
33) Tetrachloroethene	0.00	166		Not Detected		
34) 1,3-Dichloropropane	0.00	76		Not Detected		

(#) = qualifier out of range (m) = manual integration

Data File : D:\MSCONV\BT88953.D
Acq Time : Sep 7, 2003 13:05:56.22 Operator:
Sample : HER-MW10-MSD Inst :
Misc : Multiplr: 1.00
Quant Time: Sep 12 11:16 19103

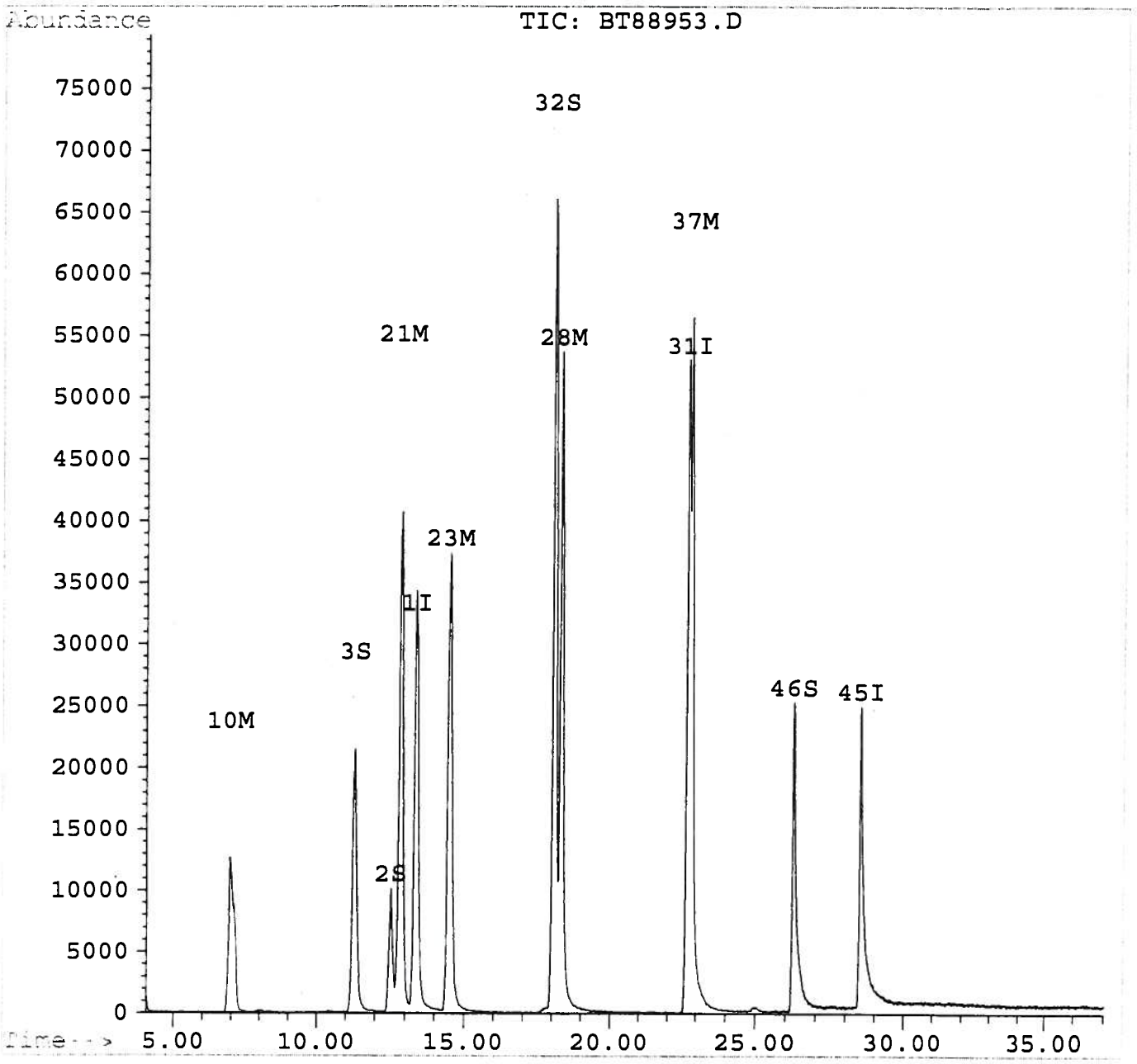
Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35)	Dibromochloromethane	0.00	129		Not Detected	
36)	1,2-Dibromoethane	0.00	107		Not Detected	
37)	Chlorobenzene	22.82	112	136062	53.92 ug/L	99
38)	1,1,1,2-Tetrachloroethane	0.00	131		Not Detected	
39)	Ethylbenzene	0.00	106		Not Detected	
40)	p,m-Xylene	0.00	106		Not Detected	
41)	o-Xylene	0.00	106		Not Detected	
42)	Styrene	0.00	104		Not Detected	
43)	Bromoform	0.00	173		Not Detected	
44)	Isopropylbenzene	0.00	105		Not Detected	
47)	1,1,2,2-Tetrachloroethane	0.00	83		Not Detected	
48)	Bromobenzene	0.00	156		Not Detected	
49)	1,2,3-Trichloropropane	0.00	75		Not Detected	
50)	n-Propylbenzene	0.00	91		Not Detected	
51)	2-Chlorotoluene	0.00	91		Not Detected	
52)	1,3,5-Trimethylbenzene	0.00	105		Not Detected	
53)	4-Chlorotoluene	0.00	91		Not Detected	
54)	t-Butylbenzene	0.00	119		Not Detected	
55)	1,2,4-Trimethylbenzene	0.00	105		Not Detected	
56)	sec-Butylbenzene	0.00	105		Not Detected	
57)	p-Isopropyltoluene	0.00	119		Not Detected	
58)	1,3-Dichlorobenzene	0.00	146		Not Detected	
59)	1,4-Dichlorobenzene	0.00	146		Not Detected	
60)	n-Butylbenzene	0.00	91		Not Detected	
61)	1,2-Dichlorobenzene	0.00	146		Not Detected	
62)	1,2-Dibromo-3-chloropropan	0.00	75		Not Detected	
63)	1,2,4-Trichlorobenzene	0.00	180		Not Detected	
64)	Hexachlorobutadiene	0.00	225		Not Detected	
65)	Naphthalene	0.00	128		Not Detected	
66)	1,2,3-Trichlorobenzene	0.00	180		Not Detected	

(#) = qualifier out of range (m) = manual integration

Data File : D:\MSCONV\BT88953.D
Acq Time : Sep 7, 2003 13:05:56.22 Operator:
Sample : HER-MW10-MSD Inst :
Misc : Multiplr: 1.00
Quant Time: Sep 12 11:16 19103

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration



Quantitation Report

Data File : D:\MSCONV\BLK0908C.D
Acq Time : Sep 5, 2003 15:29:12.17 Operator:
Sample : BLANK Inst :
Misc : Multiplr: 1.00
Quant Time: Sep 12 11:05 19103

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	13.43	96	152718	50.00	ug/L	-0.14
31) Chlorobenzene-d5	22.77	117	136040	50.00	ug/L	-0.23
45) 1,4-Dichlorobenzene-d4	28.53	152	41419	50.00	ug/L	-0.04
System Monitoring Compounds						%Recovery
2) 1,2-Dichloroethane-d4	12.55	102	2974	51.24	ugL	102.48%
3) Dibromofluoromethane	11.32	113	70007	51.34	ug/L	102.67%
32) Toluene-d8	18.12	98	247351	49.49	ug/L	98.99%
46) 4-Bromofluorobenzene	26.30	95	47605	56.25	ug/L	112.50%
Target Compounds						Qvalue
4) Dichlorodifluoromethane	0.00	85		Not Detected		
5) Chloromethane	0.00	49		Not Detected		
6) Vinyl Chloride	0.00	62		Not Detected		
7) Bromomethane	0.00	94		Not Detected		
8) Chloroethane	0.00	49		Not Detected		
9) Trichlorofluoromethane	0.00	101		Not Detected		
10) 1,1-Dichloroethene	0.00	96		Not Detected		
11) Methylene Chloride	0.00	84		Not Detected		
12) t-1,2-Dichloroethene	0.00	96		Not Detected		
13) 1,1-Dichloroethane	0.00	63		Not Detected		
14) 2,2-Dichloropropane	0.00	77		Not Detected		
15) c-1,2-Dichloroethene	0.00	61		Not Detected		
16) Chloroform	0.00	83		Not Detected		
17) Bromochloromethane	0.00	49		Not Detected		
18) 1,1,1-Trichloroethane	0.00	97		Not Detected		
19) Carbon Tetrachloride	0.00	117		Not Detected		
20) 1,1-Dichloropropene	0.00	75		Not Detected		
21) Benzene	0.00	78		Not Detected		
22) 1,2-Dichloroethane	0.00	62		Not Detected		
23) Trichloroethene	0.00	95		Not Detected		
24) 1,2-Dichloropropane	0.00	63		Not Detected		
25) Bromodichloromethane	0.00	83		Not Detected		
26) Dibromomethane	0.00	93		Not Detected		
27) c-1,3-Dichloropropene	0.00	75		Not Detected		
28) Toluene	0.00	92		Not Detected		
29) t-1,3-Dichloropropene	0.00	75		Not Detected		
30) 1,1,2-Trichloroethane	0.00	83		Not Detected		
33) Tetrachloroethene	0.00	166		Not Detected		
34) 1,3-Dichloropropane	0.00	76		Not Detected		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\MSCONV\BLK0908C.D
Acq Time : Sep 5, 2003 15:29:12.17
Sample : BLANK
Misc :
Quant Time: Sep 12 11:05 19103

Operator:
Inst :
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35) Dibromochloromethane	0.00	129		Not Detected	
36) 1,2-Dibromoethane	0.00	107		Not Detected	
37) Chlorobenzene	0.00	112		Not Detected	
38) 1,1,1,2-Tetrachloroethane	0.00	131		Not Detected	
39) Ethylbenzene	0.00	106		Not Detected	
40) p,m-Xylene	0.00	106		Not Detected	
41) o-Xylene	0.00	106		Not Detected	
42) Styrene	0.00	104		Not Detected	
43) Bromoform	0.00	173		Not Detected	
44) Isopropylbenzene	0.00	105		Not Detected	
47) 1,1,2,2-Tetrachloroethane	0.00	83		Not Detected	
48) Bromobenzene	0.00	156		Not Detected	
49) 1,2,3-Trichloropropane	0.00	75		Not Detected	
50) n-Propylbenzene	0.00	91		Not Detected	
51) 2-Chlorotoluene	0.00	91		Not Detected	
52) 1,3,5-Trimethylbenzene	0.00	105		Not Detected	
53) 4-Chlorotoluene	0.00	91		Not Detected	
54) t-Butylbenzene	0.00	119		Not Detected	
55) 1,2,4-Trimethylbenzene	0.00	105		Not Detected	
56) sec-Butylbenzene	0.00	105		Not Detected	
57) p-Isopropyltoluene	0.00	119		Not Detected	
58) 1,3-Dichlorobenzene	0.00	146		Not Detected	
59) 1,4-Dichlorobenzene	0.00	146		Not Detected	
60) n-Butylbenzene	0.00	91		Not Detected	
61) 1,2-Dichlorobenzene	0.00	146		Not Detected	
62) 1,2-Dibromo-3-chloropropan	0.00	75		Not Detected	
63) 1,2,4-Trichlorobenzene	0.00	180		Not Detected	
64) Hexachlorobutadiene	0.00	225		Not Detected	
65) Naphthalene	0.00	128		Not Detected	
66) 1,2,3-Trichlorobenzene	0.00	180		Not Detected	

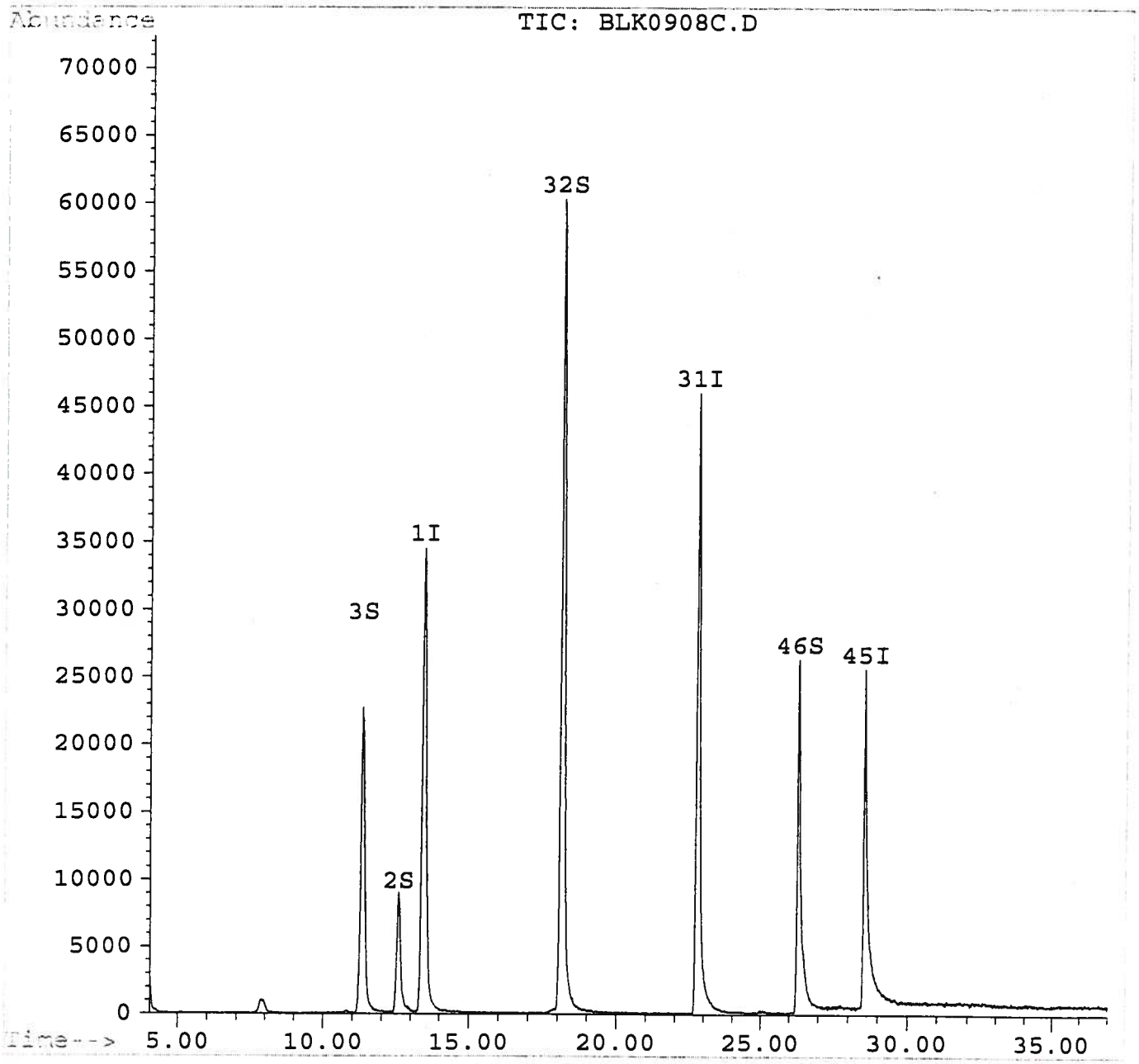
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\MSCONV\BLK0908C.D
Acq Time : Sep 5, 2003 15:29:12.17
Sample : BLANK
Misc :
Quant Time: Sep 12 11:05 19103

Operator:
Inst :
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration



Quantitation Report

Data File : D:\MSCONV\BT88950.D
Acq Time : Sep 5, 2003 19:46:33.21 Operator:
Sample : HER-MW01-082803 Inst :
Misc : Multiplr: 1.00
Quant Time: Sep 12 11:10 19103

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	13.47	96	157069	50.00	ug/L	-0.11
31) Chlorobenzene-d5	22.80	117	137233	50.00	ug/L	-0.20
45) 1,4-Dichlorobenzene-d4	28.57	152	42466	50.00	ug/L	0.00
System Monitoring Compounds						%Recovery
2) 1,2-Dichloroethane-d4	12.58	102	2922	48.95	ugL	97.90%
3) Dibromofluoromethane	11.37	113	70804	50.48	ug/L	100.97%
32) Toluene-d8	18.17	98	254283	50.44	ug/L	100.88%
46) 4-Bromofluorobenzene	26.33	95	47343	54.56	ug/L	109.12%
Target Compounds						Qvalue
4) Dichlorodifluoromethane	0.00	85		Not Detected		
5) Chloromethane	0.00	49		Not Detected		
6) Vinyl Chloride	0.00	62		Not Detected		
7) Bromomethane	0.00	94		Not Detected		
8) Chloroethane	0.00	49		Not Detected		
9) Trichlorofluoromethane	0.00	101		Not Detected		
10) 1,1-Dichloroethene	0.00	96		Not Detected		
11) Methylene Chloride	0.00	84		Not Detected		
12) t-1,2-Dichloroethene	0.00	96		Not Detected		
13) 1,1-Dichloroethane	0.00	63		Not Detected		
14) 2,2-Dichloropropane	0.00	77		Not Detected		
15) c-1,2-Dichloroethene	0.00	61		Not Detected		
16) Chloroform	0.00	83		Not Detected		
17) Bromochloromethane	0.00	49		Not Detected		
18) 1,1,1-Trichloroethane	0.00	97		Not Detected		
19) Carbon Tetrachloride	0.00	117		Not Detected		
20) 1,1-Dichloropropene	0.00	75		Not Detected		
21) Benzene	0.00	78		Not Detected		
22) 1,2-Dichloroethane	0.00	62		Not Detected		
23) Trichloroethene	0.00	95		Not Detected		
24) 1,2-Dichloropropane	0.00	63		Not Detected		
25) Bromodichloromethane	0.00	83		Not Detected		
26) Dibromomethane	0.00	93		Not Detected		
27) c-1,3-Dichloropropene	0.00	75		Not Detected		
28) Toluene	0.00	92		Not Detected		
29) t-1,3-Dichloropropene	0.00	75		Not Detected		
30) 1,1,2-Trichloroethane	0.00	83		Not Detected		
33) Tetrachloroethene	0.00	166		Not Detected		
34) 1,3-Dichloropropane	0.00	76		Not Detected		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\MSCONV\BT88950.D
Acq Time : Sep 5, 2003 19:46:33.21 Operator:
Sample : HER-MW01-082803 Inst :
Misc : Multiplr: 1.00
Quant Time: Sep 12 11:10 19103

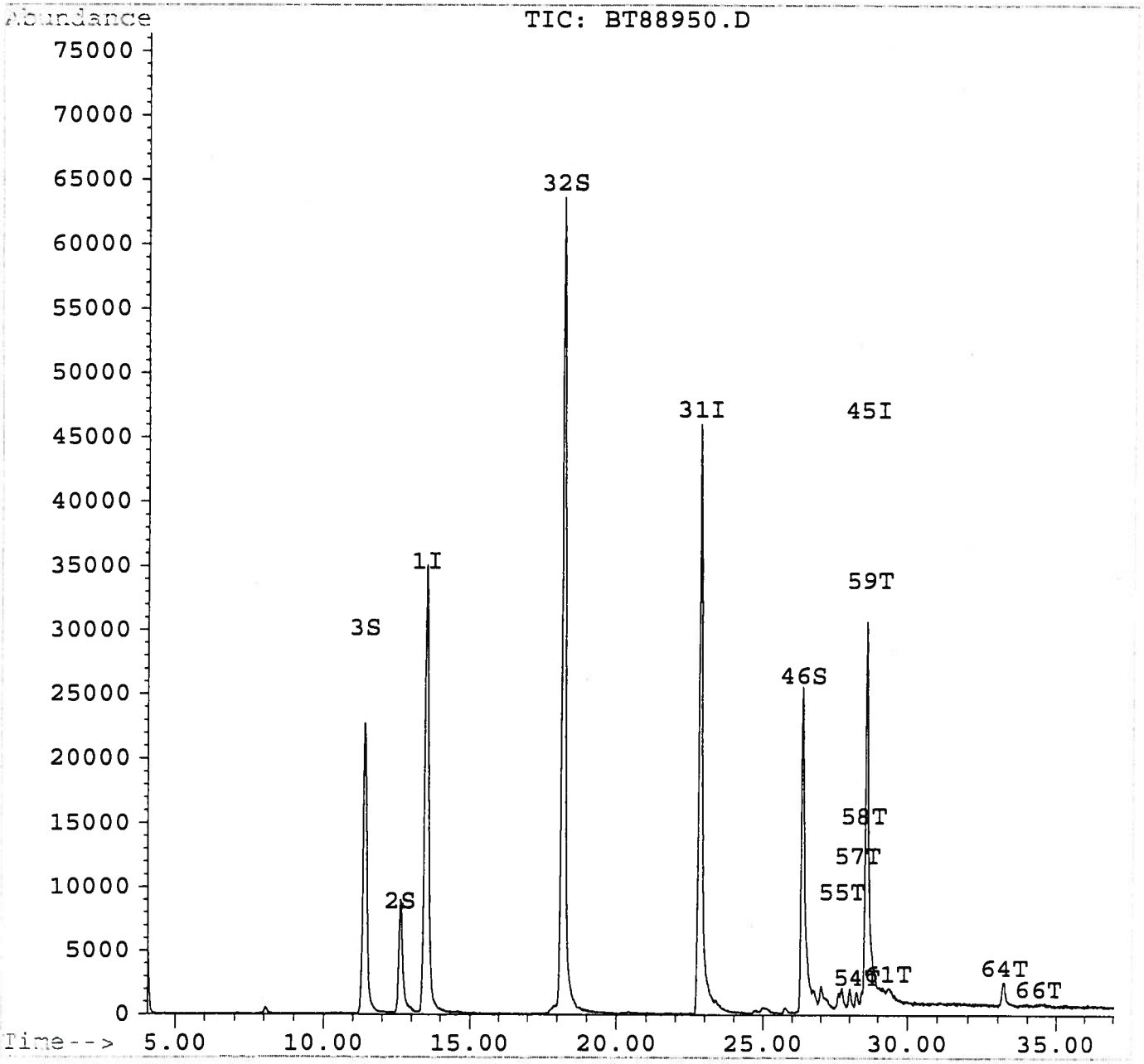
Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35)	Dibromochloromethane	0.00	129		Not Detected	
36)	1,2-Dibromoethane	0.00	107		Not Detected	
37)	Chlorobenzene	0.00	112		Not Detected	
38)	1,1,1,2-Tetrachloroethane	0.00	131		Not Detected	
39)	Ethylbenzene	0.00	106		Not Detected	
40)	p,m-Xylene	0.00	106		Not Detected	
41)	o-Xylene	0.00	106		Not Detected	
42)	Styrene	0.00	104		Not Detected	
43)	Bromoform	0.00	173		Not Detected	
44)	Isopropylbenzene	0.00	105		Not Detected	
47)	1,1,2,2-Tetrachloroethane	0.00	83		Not Detected	
48)	Bromobenzene	0.00	156		Not Detected	
49)	1,2,3-Trichloropropane	0.00	75		Not Detected	
50)	n-Propylbenzene	0.00	91		Not Detected	
51)	2-Chlorotoluene	0.00	91		Not Detected	
52)	1,3,5-Trimethylbenzene	0.00	105		Not Detected	
53)	4-Chlorotoluene	0.00	91		Not Detected	
54)	t-Butylbenzene	28.25	119	3619	1.34 ug/L m	89
55)	1,2,4-Trimethylbenzene	27.72	105	4078	1.23 ug/L m	96
56)	sec-Butylbenzene	0.00	105		Not Detected	
57)	p-Isopropyltoluene	28.25	119	3619	1.34 ug/L m	92
58)	1,3-Dichlorobenzene	28.45	146	1681	1.39 ug/L m	27
59)	1,4-Dichlorobenzene	28.63	146	2854	2.20 ug/L m	27
60)	n-Butylbenzene	0.00	91		Not Detected	
61)	1,2-Dichlorobenzene	29.33	146	2578	2.70 ug/L m	25
62)	1,2-Dibromo-3-chloropropan	0.00	75		Not Detected	
63)	1,2,4-Trichlorobenzene	0.00	180		Not Detected	
64)	Hexachlorobutadiene	33.20	225	1691	5.05 ug/L m	60
65)	Naphthalene	0.00	128		Not Detected	
66)	1,2,3-Trichlorobenzene	34.38	180	146	1.40 ug/L m	11

(#) = qualifier out of range (m) = manual integration

Data File : D:\MSCONV\BT88950.D
Acq Time : Sep 5, 2003 19:46:33.21 Operator:
Sample : HER-MW01-082803 Inst :
Misc : Multiplr: 1.00
Quant Time: Sep 12 11:10 19103

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration



Quantitation Report

Data File : D:\MSCONV\BT88951.D
Acq Time : Sep 5, 2003 20:28:07.65 Operator:
Sample : HER-MW10-082803 Inst :
Misc : Multiplr: 1.00
Quant Time: Sep 12 11:12 19103

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	13.43	96	157287	50.00	ug/L	-0.14
31) Chlorobenzene-d5	22.77	117	139564	50.00	ug/L	-0.23
45) 1,4-Dichlorobenzene-d4	28.53	152	43074	50.00	ug/L	-0.04
System Monitoring Compounds						%Recovery
2) 1,2-Dichloroethane-d4	12.57	102	2884	48.25	ugL	96.49%
3) Dibromofluoromethane	11.33	113	71031	50.57	ug/L	101.15%
32) Toluene-d8	18.13	98	255027	49.74	ug/L	99.48%
46) 4-Bromofluorobenzene	26.30	95	46928	53.32	ug/L	106.64%
Target Compounds						Qvalue
4) Dichlorodifluoromethane	0.00	85		Not Detected		
5) Chloromethane	0.00	49		Not Detected		
6) Vinyl Chloride	0.00	62		Not Detected		
7) Bromomethane	0.00	94		Not Detected		
8) Chloroethane	0.00	49		Not Detected		
9) Trichlorofluoromethane	0.00	101		Not Detected		
10) 1,1-Dichloroethene	0.00	96		Not Detected		
11) Methylene Chloride	0.00	84		Not Detected		
12) t-1,2-Dichloroethene	0.00	96		Not Detected		
13) 1,1-Dichloroethane	0.00	63		Not Detected		
14) 2,2-Dichloropropane	0.00	77		Not Detected		
15) c-1,2-Dichloroethene	0.00	61		Not Detected		
16) Chloroform	0.00	83		Not Detected		
17) Bromochloromethane	0.00	49		Not Detected		
18) 1,1,1-Trichloroethane	0.00	97		Not Detected		
19) Carbon Tetrachloride	0.00	117		Not Detected		
20) 1,1-Dichloropropene	0.00	75		Not Detected		
21) Benzene	0.00	78		Not Detected		
22) 1,2-Dichloroethane	0.00	62		Not Detected		
23) Trichloroethene	0.00	95		Not Detected		
24) 1,2-Dichloropropane	0.00	63		Not Detected		
25) Bromodichloromethane	0.00	83		Not Detected		
26) Dibromomethane	0.00	93		Not Detected		
27) c-1,3-Dichloropropene	0.00	75		Not Detected		
28) Toluene	0.00	92		Not Detected		
29) t-1,3-Dichloropropene	0.00	75		Not Detected		
30) 1,1,2-Trichloroethane	0.00	83		Not Detected		
33) Tetrachloroethene	0.00	166		Not Detected		
34) 1,3-Dichloropropane	0.00	76		Not Detected		

(#) = qualifier out of range (m) = manual integration

Data File : D:\MSCONV\BT88951.D
Acq Time : Sep 5, 2003 20:28:07.65 Operator:
Sample : HER-MW10-082803 Inst :
Misc : Multiplr: 1.00
Quant Time: Sep 12 11:12 19103

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration

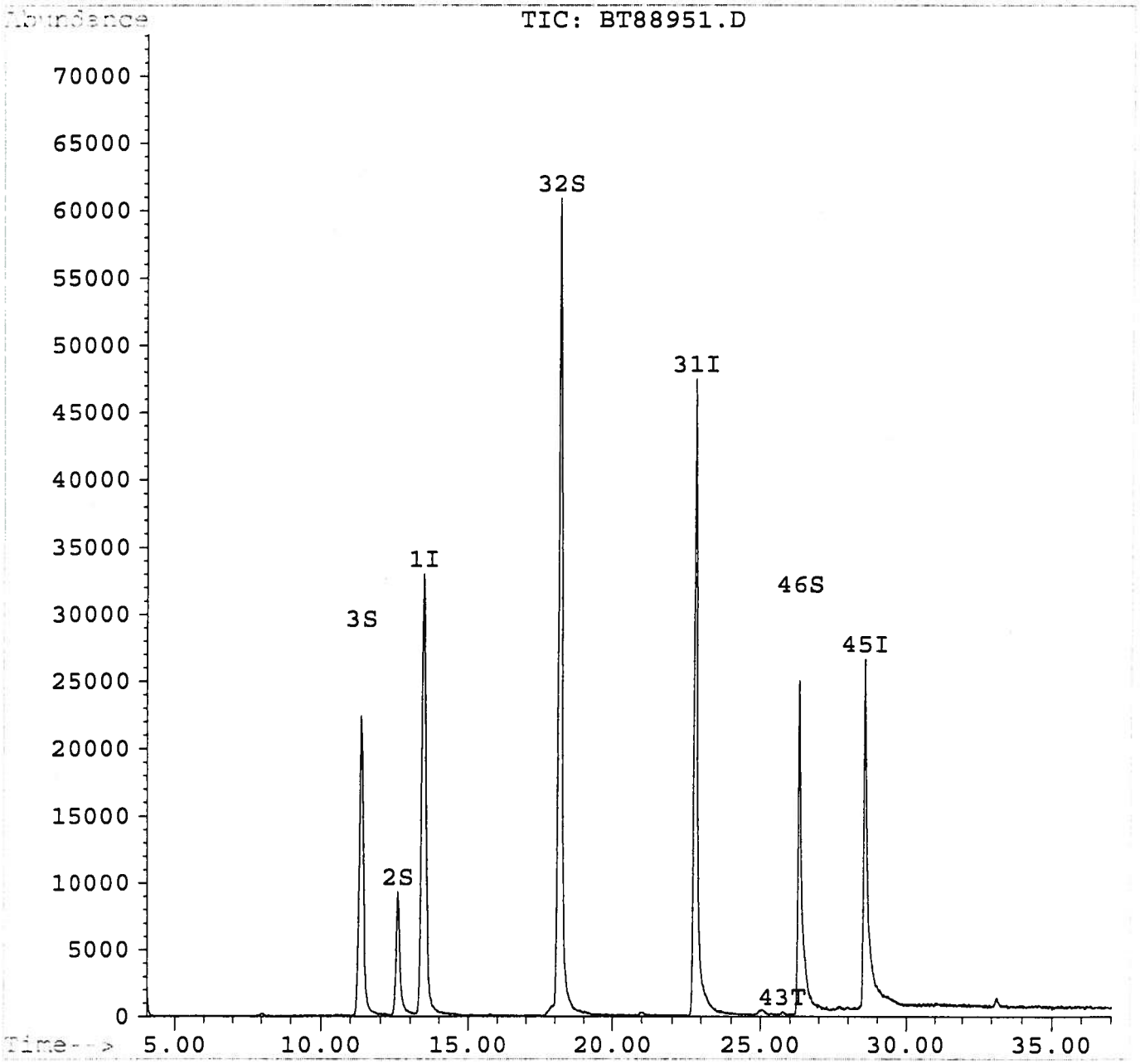
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35)	Dibromochloromethane	0.00	129		Not Detected	
36)	1,2-Dibromoethane	0.00	107		Not Detected	
37)	Chlorobenzene	0.00	112		Not Detected	
38)	1,1,1,2-Tetrachloroethane	0.00	131		Not Detected	
39)	Ethylbenzene	0.00	106		Not Detected	
40)	p,m-Xylene	0.00	106		Not Detected	
41)	o-Xylene	0.00	106		Not Detected	
42)	Styrene	0.00	104		Not Detected	
43)	Bromoform	25.75	173	397	1.55 ug/L m	28
44)	Isopropylbenzene	0.00	105		Not Detected	
47)	1,1,2,2-Tetrachloroethane	0.00	83		Not Detected	
48)	Bromobenzene	0.00	156		Not Detected	
49)	1,2,3-Trichloropropane	0.00	75		Not Detected	
50)	n-Propylbenzene	0.00	91		Not Detected	
51)	2-Chlorotoluene	0.00	91		Not Detected	
52)	1,3,5-Trimethylbenzene	0.00	105		Not Detected	
53)	4-Chlorotoluene	0.00	91		Not Detected	
54)	t-Butylbenzene	0.00	119		Not Detected	
55)	1,2,4-Trimethylbenzene	0.00	105		Not Detected	
56)	sec-Butylbenzene	0.00	105		Not Detected	
57)	p-Isopropyltoluene	0.00	119		Not Detected	
58)	1,3-Dichlorobenzene	0.00	146		Not Detected	
59)	1,4-Dichlorobenzene	0.00	146		Not Detected	
60)	n-Butylbenzene	0.00	91		Not Detected	
61)	1,2-Dichlorobenzene	0.00	146		Not Detected	
62)	1,2-Dibromo-3-chloropropan	0.00	75		Not Detected	
63)	1,2,4-Trichlorobenzene	0.00	180		Not Detected	
64)	Hexachlorobutadiene	0.00	225		Not Detected	
65)	Naphthalene	0.00	128		Not Detected	
66)	1,2,3-Trichlorobenzene	0.00	180		Not Detected	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\MSCONV\BT88951.D
Acq Time : Sep 5, 2003 20:28:07.65 Operator:
Sample : HER-MW10-082803 Inst :
Misc : Multiplr: 1.00
Quant Time: Sep 12 11:12 19103

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration



Quantitation Report

Data File : D:\MSCONV\BT88954.D
Acq Time : Sep 7, 2003 14:29:15.71 Operator:
Sample : HER-MW04-082803 Inst :
Misc : Multiplr: 1.00
Quant Time: Sep 12 11:18 19103

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	13.33	96	150559	50.00	ug/L	-0.24
31) Chlorobenzene-d5	22.67	117	131023	50.00	ug/L	-0.33
45) 1,4-Dichlorobenzene-d4	28.48	152	40856	50.00	ug/L	-0.09
System Monitoring Compounds						%Recovery
2) 1,2-Dichloroethane-d4	12.50	102	2988	52.22	ugL	104.44%
3) Dibromofluoromethane	11.28	113	65511	48.73	ug/L	97.46%
32) Toluene-d8	18.02	98	241396	50.15	ug/L	100.30%
46) 4-Bromofluorobenzene	26.22	95	44963	53.86	ug/L	107.72%
Target Compounds						Qvalue
4) Dichlorodifluoromethane	0.00	85		Not Detected		
5) Chloromethane	0.00	49		Not Detected		
6) Vinyl Chloride	0.00	62		Not Detected		
7) Bromomethane	0.00	94		Not Detected		
8) Chloroethane	0.00	49		Not Detected		
9) Trichlorofluoromethane	0.00	101		Not Detected		
10) 1,1-Dichloroethene	0.00	96		Not Detected		
11) Methylene Chloride	0.00	84		Not Detected		
12) t-1,2-Dichloroethene	0.00	96		Not Detected		
13) 1,1-Dichloroethane	0.00	63		Not Detected		
14) 2,2-Dichloropropane	0.00	77		Not Detected		
15) c-1,2-Dichloroethene	0.00	61		Not Detected		
16) Chloroform	0.00	83		Not Detected		
17) Bromochloromethane	0.00	49		Not Detected		
18) 1,1,1-Trichloroethane	0.00	97		Not Detected		
19) Carbon Tetrachloride	0.00	117		Not Detected		
20) 1,1-Dichloropropene	0.00	75		Not Detected		
21) Benzene	0.00	78		Not Detected		
22) 1,2-Dichloroethane	0.00	62		Not Detected		
23) Trichloroethene	0.00	95		Not Detected		
24) 1,2-Dichloropropane	0.00	63		Not Detected		
25) Bromodichloromethane	0.00	83		Not Detected		
26) Dibromomethane	0.00	93		Not Detected		
27) c-1,3-Dichloropropene	0.00	75		Not Detected		
28) Toluene	0.00	92		Not Detected		
29) t-1,3-Dichloropropene	0.00	75		Not Detected		
30) 1,1,2-Trichloroethane	0.00	83		Not Detected		
33) Tetrachloroethene	0.00	166		Not Detected		
34) 1,3-Dichloropropane	0.00	76		Not Detected		

(#) = qualifier out of range (m) = manual integration

Data File : D:\MSCONV\BT88954.D
Acq Time : Sep 7, 2003 14:29:15.71 Operator:
Sample : HER-MW04-082803 Inst :
Misc : Multiplr: 1.00
Quant Time: Sep 12 11:18 19103

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration

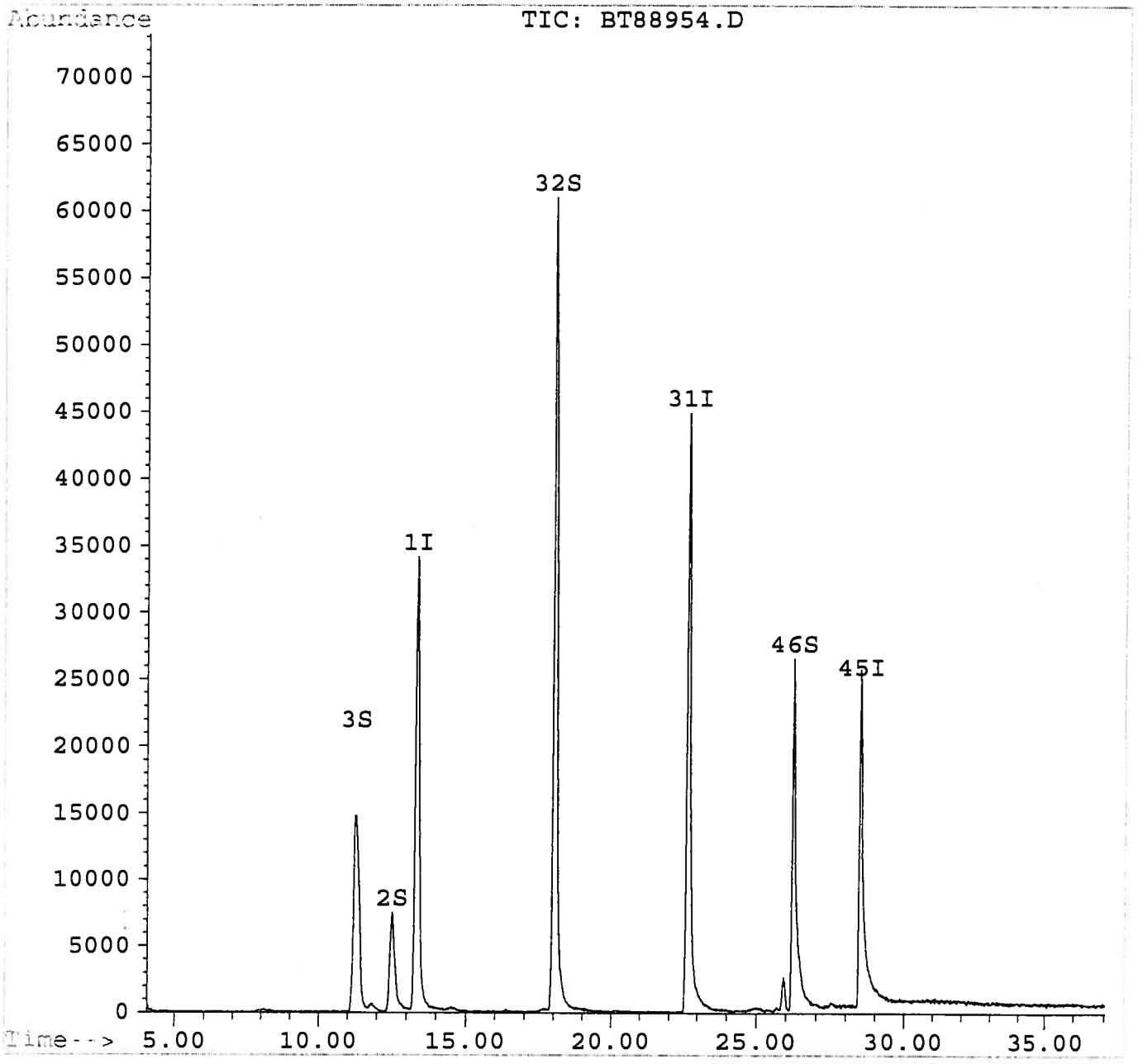
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35)	Dibromochloromethane	0.00	129		Not Detected	
36)	1,2-Dibromoethane	0.00	107		Not Detected	
37)	Chlorobenzene	0.00	112		Not Detected	
38)	1,1,1,2-Tetrachloroethane	0.00	131		Not Detected	
39)	Ethylbenzene	0.00	106		Not Detected	
40)	p,m-Xylene	0.00	106		Not Detected	
41)	o-Xylene	0.00	106		Not Detected	
42)	Styrene	0.00	104		Not Detected	
43)	Bromoform	0.00	173		Not Detected	
44)	Isopropylbenzene	0.00	105		Not Detected	
47)	1,1,2,2-Tetrachloroethane	0.00	83		Not Detected	
48)	Bromobenzene	0.00	156		Not Detected	
49)	1,2,3-Trichloropropane	0.00	75		Not Detected	
50)	n-Propylbenzene	0.00	91		Not Detected	
51)	2-Chlorotoluene	0.00	91		Not Detected	
52)	1,3,5-Trimethylbenzene	0.00	105		Not Detected	
53)	4-Chlorotoluene	0.00	91		Not Detected	
54)	t-Butylbenzene	0.00	119		Not Detected	
55)	1,2,4-Trimethylbenzene	0.00	105		Not Detected	
56)	sec-Butylbenzene	0.00	105		Not Detected	
57)	p-Isopropyltoluene	0.00	119		Not Detected	
58)	1,3-Dichlorobenzene	0.00	146		Not Detected	
59)	1,4-Dichlorobenzene	0.00	146		Not Detected	
60)	n-Butylbenzene	0.00	91		Not Detected	
61)	1,2-Dichlorobenzene	0.00	146		Not Detected	
62)	1,2-Dibromo-3-chloropropan	0.00	75		Not Detected	
63)	1,2,4-Trichlorobenzene	0.00	180		Not Detected	
64)	Hexachlorobutadiene	0.00	225		Not Detected	
65)	Naphthalene	0.00	128		Not Detected	
66)	1,2,3-Trichlorobenzene	0.00	180		Not Detected	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\MSCONV\BT88954.D
Acq Time : Sep 7, 2003 14:29:15.71 Operator:
Sample : HER-MW04-082803 Inst :
Misc : Multiplr: 1.00
Quant Time: Sep 12 11:18 19103

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration



Quantitation Report

Data File : D:\MSCONV\BT88955.D
Acq Time : Sep 7, 2003 15:10:55.91 Operator:
Sample : HER-MW11-082803 Inst :
Misc : Multiplr: 1.00
Quant Time: Sep 12 11:19 19103

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	13.32	96	146736	50.00	ug/L	-0.26
31) Chlorobenzene-d5	22.65	117	129695	50.00	ug/L	-0.35
45) 1,4-Dichlorobenzene-d4	28.45	152	43915	50.00	ug/L	-0.12
System Monitoring Compounds						%Recovery
2) 1,2-Dichloroethane-d4	12.45	102	2848	51.07	ugL	102.14%
3) Dibromofluoromethane	11.27	113	65999	50.37	ug/L	100.74%
32) Toluene-d8	18.00	98	250394	52.55	ug/L	105.11%
46) 4-Bromofluorobenzene	26.20	95	49232	54.87	ug/L	109.73%
Target Compounds						Qvalue
4) Dichlorodifluoromethane	0.00	85		Not Detected		
5) Chloromethane	0.00	49		Not Detected		
6) Vinyl Chloride	0.00	62		Not Detected		
7) Bromomethane	0.00	94		Not Detected		
8) Chloroethane	0.00	49		Not Detected		
9) Trichlorofluoromethane	0.00	101		Not Detected		
10) 1,1-Dichloroethene	0.00	96		Not Detected		
11) Methylene Chloride	0.00	84		Not Detected		
12) t-1,2-Dichloroethene	0.00	96		Not Detected		
13) 1,1-Dichloroethane	0.00	63		Not Detected		
14) 2,2-Dichloropropane	0.00	77		Not Detected		
15) c-1,2-Dichloroethene	0.00	61		Not Detected		
16) Chloroform	0.00	83		Not Detected		
17) Bromochloromethane	0.00	49		Not Detected		
18) 1,1,1-Trichloroethane	0.00	97		Not Detected		
19) Carbon Tetrachloride	0.00	117		Not Detected		
20) 1,1-Dichloropropene	0.00	75		Not Detected		
21) Benzene	0.00	78		Not Detected		
22) 1,2-Dichloroethane	0.00	62		Not Detected		
23) Trichloroethene	0.00	95		Not Detected		
24) 1,2-Dichloropropane	0.00	63		Not Detected		
25) Bromodichloromethane	0.00	83		Not Detected		
26) Dibromomethane	0.00	93		Not Detected		
27) c-1,3-Dichloropropene	0.00	75		Not Detected		
28) Toluene	0.00	92		Not Detected		
29) t-1,3-Dichloropropene	0.00	75		Not Detected		
30) 1,1,2-Trichloroethane	0.00	83		Not Detected		
33) Tetrachloroethene	0.00	166		Not Detected		
34) 1,3-Dichloropropane	0.00	76		Not Detected		

(#) = qualifier out of range (m) = manual integration

Data File : D:\MSCONV\BT88955.D
Acq Time : Sep 7, 2003 15:10:55.91 Operator:
Sample : HER-MW11-082803 Inst :
Misc : Multiplr: 1.00
Quant Time: Sep 12 11:19 19103

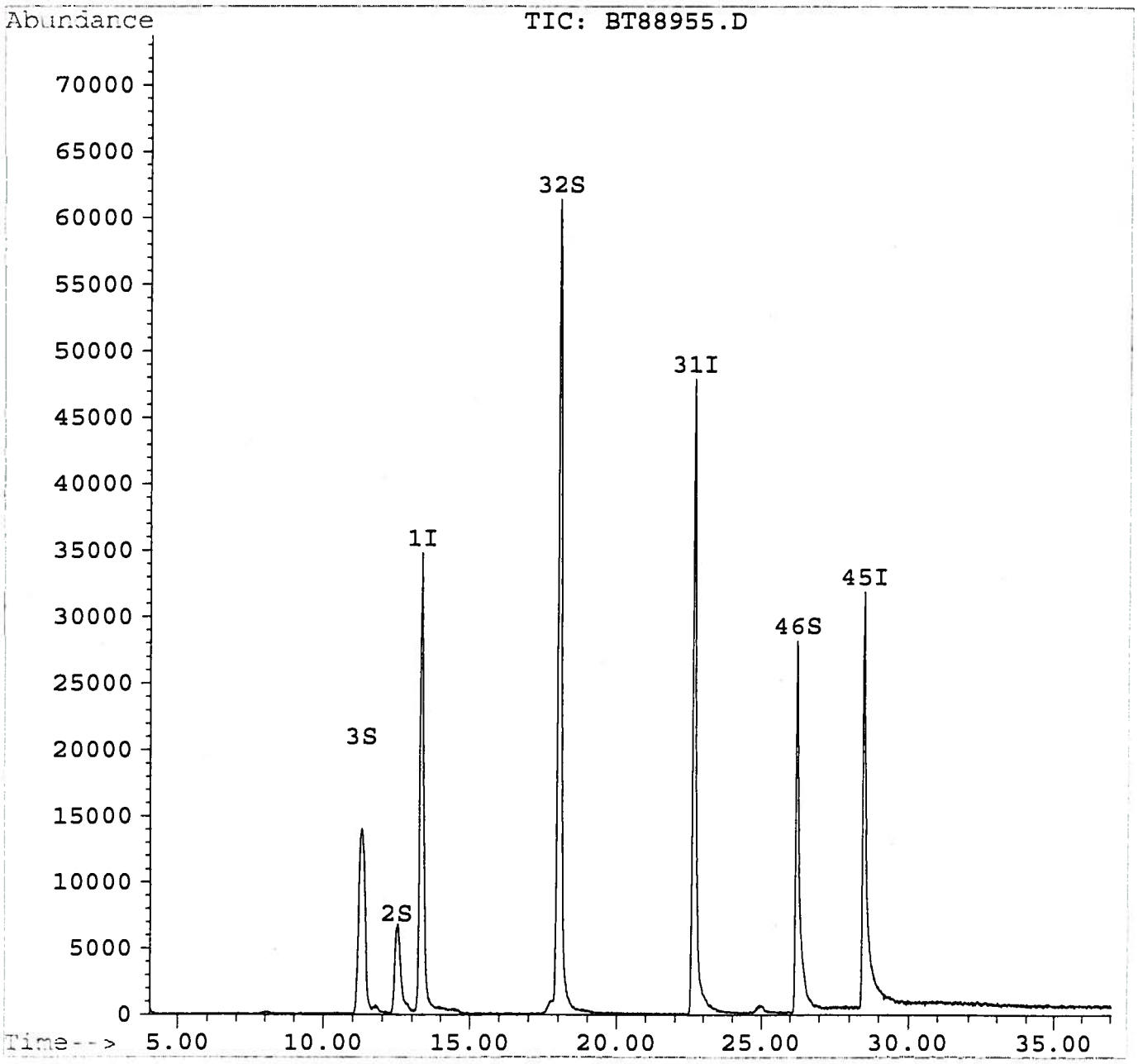
Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35) Dibromochloromethane	0.00	129		Not Detected	
36) 1,2-Dibromoethane	0.00	107		Not Detected	
37) Chlorobenzene	0.00	112		Not Detected	
38) 1,1,1,2-Tetrachloroethane	0.00	131		Not Detected	
39) Ethylbenzene	0.00	106		Not Detected	
40) p,m-Xylene	0.00	106		Not Detected	
41) o-Xylene	0.00	106		Not Detected	
42) Styrene	0.00	104		Not Detected	
43) Bromoform	0.00	173		Not Detected	
44) Isopropylbenzene	0.00	105		Not Detected	
47) 1,1,2,2-Tetrachloroethane	0.00	83		Not Detected	
48) Bromobenzene	0.00	156		Not Detected	
49) 1,2,3-Trichloropropane	0.00	75		Not Detected	
50) n-Propylbenzene	0.00	91		Not Detected	
51) 2-Chlorotoluene	0.00	91		Not Detected	
52) 1,3,5-Trimethylbenzene	0.00	105		Not Detected	
53) 4-Chlorotoluene	0.00	91		Not Detected	
54) t-Butylbenzene	0.00	119		Not Detected	
55) 1,2,4-Trimethylbenzene	0.00	105		Not Detected	
56) sec-Butylbenzene	0.00	105		Not Detected	
57) p-Isopropyltoluene	0.00	119		Not Detected	
58) 1,3-Dichlorobenzene	0.00	146		Not Detected	
59) 1,4-Dichlorobenzene	0.00	146		Not Detected	
60) n-Butylbenzene	0.00	91		Not Detected	
61) 1,2-Dichlorobenzene	0.00	146		Not Detected	
62) 1,2-Dibromo-3-chloropropan	0.00	75		Not Detected	
63) 1,2,4-Trichlorobenzene	0.00	180		Not Detected	
64) Hexachlorobutadiene	0.00	225		Not Detected	
65) Naphthalene	0.00	128		Not Detected	
66) 1,2,3-Trichlorobenzene	0.00	180		Not Detected	

(#) = qualifier out of range (m) = manual integration

Data File : D:\MSCONV\BT88955.D
Acq Time : Sep 7, 2003 15:10:55.91 Operator:
Sample : HER-MW11-082803 Inst :
Misc : Multiplr: 1.00
Quant Time: Sep 12 11:19 19103

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration



Quantitation Report

Data File : D:\MSCONV\BT88956.D
Acq Time : Sep 7, 2003 15:52:37.11 Operator:
Sample : HER-BD03 Inst :
Misc : Multiplr: 1.00
Quant Time: Sep 12 11:21 19103

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	13.32	96	150022	50.00 ug/L	-0.26
31) Chlorobenzene-d5	22.63	117	127849	50.00 ug/L	-0.37
45) 1,4-Dichlorobenzene-d4	28.47	152	41928	50.00 ug/L	-0.10
System Monitoring Compounds					%Recovery
2) 1,2-Dichloroethane-d4	12.53	102	3001	52.64 ugL	105.27%
3) Dibromofluoromethane	11.32	113	65782	49.11 ug/L	98.21%
32) Toluene-d8	17.98	98	245176	52.20 ug/L	104.40%
46) 4-Bromofluorobenzene	26.22	95	47490	55.43 ug/L	110.86%
Target Compounds					Qvalue
4) Dichlorodifluoromethane	0.00	85		Not Detected	
5) Chloromethane	0.00	49		Not Detected	
6) Vinyl Chloride	0.00	62		Not Detected	
7) Bromomethane	0.00	94		Not Detected	
8) Chloroethane	0.00	49		Not Detected	
9) Trichlorofluoromethane	0.00	101		Not Detected	
10) 1,1-Dichloroethene	0.00	96		Not Detected	
11) Methylene Chloride	0.00	84		Not Detected	
12) t-1,2-Dichloroethene	0.00	96		Not Detected	
13) 1,1-Dichloroethane	0.00	63		Not Detected	
14) 2,2-Dichloropropane	0.00	77		Not Detected	
15) c-1,2-Dichloroethene	0.00	61		Not Detected	
16) Chloroform	0.00	83		Not Detected	
17) Bromochloromethane	0.00	49		Not Detected	
18) 1,1,1-Trichloroethane	0.00	97		Not Detected	
19) Carbon Tetrachloride	0.00	117		Not Detected	
20) 1,1-Dichloropropene	0.00	75		Not Detected	
21) Benzene	0.00	78		Not Detected	
22) 1,2-Dichloroethane	0.00	62		Not Detected	
23) Trichloroethene	0.00	95		Not Detected	
24) 1,2-Dichloropropane	0.00	63		Not Detected	
25) Bromodichloromethane	0.00	83		Not Detected	
26) Dibromomethane	0.00	93		Not Detected	
27) c-1,3-Dichloropropene	0.00	75		Not Detected	
28) Toluene	0.00	92		Not Detected	
29) t-1,3-Dichloropropene	0.00	75		Not Detected	
30) 1,1,2-Trichloroethane	0.00	83		Not Detected	
33) Tetrachloroethene	0.00	166		Not Detected	
34) 1,3-Dichloropropane	0.00	76		Not Detected	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : D:\MSCONV\BT88956.D
Acq Time : Sep 7, 2003 15:52:37.11
Sample : HER-BD03
Misc :
Quant Time: Sep 12 11:21 19103

Operator:
Inst :
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35) Dibromochloromethane	0.00	129		Not Detected	
36) 1,2-Dibromoethane	0.00	107		Not Detected	
37) Chlorobenzene	0.00	112		Not Detected	
38) 1,1,1,2-Tetrachloroethane	0.00	131		Not Detected	
39) Ethylbenzene	0.00	106		Not Detected	
40) p,m-Xylene	0.00	106		Not Detected	
41) o-Xylene	0.00	106		Not Detected	
42) Styrene	0.00	104		Not Detected	
43) Bromoform	0.00	173		Not Detected	
44) Isopropylbenzene	0.00	105		Not Detected	
47) 1,1,2,2-Tetrachloroethane	0.00	83		Not Detected	
48) Bromobenzene	0.00	156		Not Detected	
49) 1,2,3-Trichloropropane	0.00	75		Not Detected	
50) n-Propylbenzene	0.00	91		Not Detected	
51) 2-Chlorotoluene	0.00	91		Not Detected	
52) 1,3,5-Trimethylbenzene	0.00	105		Not Detected	
53) 4-Chlorotoluene	0.00	91		Not Detected	
54) t-Butylbenzene	0.00	119		Not Detected	
55) 1,2,4-Trimethylbenzene	0.00	105		Not Detected	
56) sec-Butylbenzene	0.00	105		Not Detected	
57) p-Isopropyltoluene	0.00	119		Not Detected	
58) 1,3-Dichlorobenzene	0.00	146		Not Detected	
59) 1,4-Dichlorobenzene	0.00	146		Not Detected	
60) n-Butylbenzene	0.00	91		Not Detected	
61) 1,2-Dichlorobenzene	0.00	146		Not Detected	
62) 1,2-Dibromo-3-chloropropan	0.00	75		Not Detected	
63) 1,2,4-Trichlorobenzene	0.00	180		Not Detected	
64) Hexachlorobutadiene	0.00	225		Not Detected	
65) Naphthalene	0.00	128		Not Detected	
66) 1,2,3-Trichlorobenzene	0.00	180		Not Detected	

(#) = qualifier out of range (m) = manual integration

Data File : D:\MSCONV\BT88956.D
Acq Time : Sep 7, 2003 15:52:37.11
Sample : HER-BD03
Misc :
Quant Time: Sep 12 11:21 19103

Operator:
Inst :
Multiplr: 1.00

Method : D:\HPCHEM\1\METHODS\01CURVES\090503.M
Title : 5-Point Calibration for Method 8260B
Last Update : Mon Sep 08 11:53:11 2003
Response via : Multiple Level Calibration