Mitkem Corporation

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Old Troy Landfill -- 002699.ID09.03 **SDG :** F1025

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
MW-BR11	F1025-01	OLM4.2_VOA_LOW_S	OLM4.2_SVOA_S	OLM4.2_PP_S	ILM5.3_HG_S	SEE DATA
MW-BR11	F1025-01				ILM5.3_ICP_S	
RB	F1025-02	OLM4.2_VOA_W	OLM4.2_SVOA_W	OLM4.2_PP_W	ILM5.3_HG_W	SEE DATA
RB	F1025-02				ILM5.3_ICP_W	
TB06	F1025-03	OLM4.2_VOA_W				

Mitkem Corporation

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Old Troy Landfill -- 002699.ID09.03 **SDG :** F1025

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_VOA_LOW_S					
F1025-01C	SL	7/25/2007	7/26/2007	NA	8/3/2007
OLM4.2_VOA_W					
F1025-02D	AQ	7/31/2007	8/1/2007	NA	8/1/2007
F1025-03A	AQ	7/31/2007	8/1/2007	NA	8/1/2007

Mitkem Corporation

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Old Troy Landfill -- 002699.ID09.03 **SDG :** F1025

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_SVOA_S					
F1025-01A	SL	7/25/2007	7/26/2007	8/1/2007	8/10/2007
OLM4.2_SVOA_W					
F1025-02A	AQ	7/31/2007	8/1/2007	8/3/2007	8/9/2007

Mitkem Corporation

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary GC*

Project Name : Old Troy Landfill -- 002699.ID09.03 **SDG :** F1025

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_PP_S					
F1025-01A	SL	7/25/2007	7/26/2007	8/1/2007	8/3/2007
OLM4.2_PP_W					
F1025-02A	AQ	7/31/2007	8/1/2007	8/3/2007	8/11/2007

Mitkem Corporation

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Old Troy Landfill -- 002699.ID09.03 **SDG :** F1025

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLM4.2_VOA_LOW_S					
F1025-01C	SL	LM4.2_VOA_LOW_	NA	LOW	1
OLM4.2_VOA_W					
F1025-02D	AQ	OLM4.2_VOA_W	NA	LOW	1
F1025-03A	AQ	OLM4.2_VOA_W	NA	LOW	1

Mitkem Corporation

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSSEMI

Project Name : Old Troy Landfill -- 002699.ID09.03 **SDG :** F1025

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
OLM4.2_SVOA_S					
F1025-01A	SL	OLM4.2_SVOA_S	OLM4.2_SVOA_S	GPC	1
OLM4.2_SVOA_W					
F1025-02A	AQ	OLM4.2_SVOA_W	OLM4.2_SVOA_W	NA	1

Mitkem Corporation

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary GC*

Project Name : Old Troy Landfill – 002699.ID09.03 **SDG :** F1025

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
OLM4.2_PP_S					
F1025-01A	SL	OLM4.2_PP_S	OLM4.2_PP_S	GPC, Sulfur	1
OLM4.2_PP_W					
F1025-02A	AQ	OLM4.2_PP_W	OLM4.2_PP_W	Sulfur	1

Mitkem Corporation

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary ME

Project Name : Old Troy Landfill -- 002699.ID09.03 **SDG :** F1025

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
ILM5.3_HG_S				
F1025-01B	SL	ILM5.3_HG_S	7/26/2007	8/14/2007
F1025-01BDUP	SL	ILM5.3_HG_S	7/26/2007	8/14/2007
F1025-01BMS	SL	ILM5.3_HG_S	7/26/2007	8/14/2007
ILM5.3_HG_W				
F1025-02B	AQ	ILM5.3_HG_W	8/1/2007	8/14/2007
ILM5.3_ICP_S				
F1025-01B	SL	ILM5.3_ICP_S	7/26/2007	8/21/2007
F1025-01BDUP	SL	ILM5.3_ICP_S	7/26/2007	8/21/2007
F1025-01BMS	SL	ILM5.3_ICP_S	7/26/2007	8/21/2007
ILM5.3_ICP_W				
F1025-02B	AQ	ILM5.3_ICP_W	8/1/2007	8/21/2007

Analytical Data Package for Ecology & Environment, Inc.

Client Project No.: Old Troy Municipal Incinerator Site

Mitkem Work Order ID: F1025

August 24, 2007

Prepared For:

Ecology & Environment, Inc.
368 Pleasantview Drive
Lancaster, NY 14086
Attn: Mr. Jon Nickerson

Prepared By:

Mitkem Corporation
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Ecology & Environment, Inc's Old Troy Municipal Incinerator project. Under this deliverable, analyses results are presented for one soil and two aqueous samples that were received between July 26, 2007 to August 1, 2007. Analyses were performed per specifications in the project's contract and the chain of custody form. Following the narrative is a table of sample identification for cross-referencing full client sample ID, shortened client sample ID and laboratory sample ID, along with the Mitkem Work Order.

The analyses were performed and reported per NYSDEC ASP (2000 update) requirement for Category B deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.
- M6 software did not integrate peak
- M7 partial peak integration

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatile Analysis:

Trap used for instruments V5: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

Aqueous samples were not acid preserved, pH ~7.

Surrogate recovery: recoveries were within the QC limits.

Laboratory control sample: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

3. Semivolatile Analysis:

Alkanes were determined as part of tentatively identified compounds. The alkanes are reported on the Alkane Narrative Report following the SDG narrative.

GC column: 30 m x 0.25 mm id (0.5 um film thickness) DB-5MS capillary column.

Surrogate recovery: recoveries were within the QC limits.

Laboratory control sample: spike recoveries were within the QC limits with the exception of 4-nitrophenol in S3OLCS.

Sample analysis: no unusual observation was made for the analysis.

4. Pesticide and PCBs Analysis:

GC column used: 30 m x 0.53 mm id (0.5 um film thickness) CLPPest and 30 m x 0.53 mm id (0.42 um film thickness) CLPPestII megabore columns.

Surrogate recovery: recoveries were within the QC limits.

Laboratory control sample: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

5. Metals Analysis:

Mercury was analyzed using a Perkin Elmer Model 100 FIMS cold vapor atomic absorption analyzer. The other elements were analyzed using either a Perkin Elmer Model 3100XL Optima or a Perkin Elmer Model 4300DV ICAP.

Lab control sample: spike recoveries were within the QC limits.

Matrix spike: matrix spike analysis was performed on sample MW-BR11. Spike recoveries were within the QC limits with the exception of antimony, lead, selenium and silver. Results for these elements are flagged with an "N" on the data report forms. A Post digest spike was performed and reported.

Duplicate: duplicate analysis was performed sample MW-BR11. Replicate RPDs were within the QC limits with the exception of copper. Results for this element is flagged with an "*" on the data report forms.

Sample analysis: serial dilution was performed on sample MW-BR11. Percent differences were within the QC limits with the exception of cobalt, iron, magnesium and zinc. Results for these elements are qualified with an "E" on the data report forms. No unusual observations were made during sample analysis.

6. Cyanide Analysis:

The cyanide samples were prepared using minidistill apparatus by Kontes. The resultant distillates were analyzed using a Lachat QuikChem 8000 autoanalyzer.

Lab control sample: spike recovery was within the QC limits.

Matrix spike: matrix spike was performed on sample RB. Spike recovery was within the QC limits.

Duplicate: duplicate analysis was performed on sample RB. Replicate RPD was within the QC limits.

Sample analysis: no unusual observations were made during sample analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Shirley Ng
Project Manager
08/24/07

ALKANE NARRATIVE REPORT
Report date : 08/16/2007
SDG: MF1025

Client Sample ID: MW-BR11 Lab Sample ID: F1025-01A File ID: S3E5181

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	17.44	85	J

*Mitkem and Client Sample ID Summary Report**

Mitkem Workorder: F1025

Client Name: Ecology and Environm

Mitkem Sample ID	*Reported Client Sample ID*	*Full Client Sample ID*
F1025-01A	MW-BR11	OTMI-MW-BR11
F1025-01B	MW-BR11	OTMI-MW-BR11
F1025-01C	MW-BR11	OTMI-MW-BR11
F1025-01D	MW-BR11	OTMI-MW-BR11
F1025-02A	RB	OTMI-RB
F1025-02B	RB	OTMI-RB
F1025-02C	RB	OTMI-RB
F1025-02D	RB	OTMI-RB
F1025-03A	TB06	OTMI-TB06

**** If client sample ID has not been truncated, the full client sample ID is listed in the column labeled "Reported Client Sample ID"***

Mitkem Corporation

01/Aug/07 10:33

WorkOrder: F1025

Client ID: ENE
Project: Old Troy Landfill
Location: 002699.ID09.03
Comments: EZ-EDD

Case:
SDG:
PO: 002699.ID09.03

Report Level: ASP-B
EDD: EQUIIS_GZA
HC Due: 08/24/07
Fax Due:

Sample ID	HS	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F1025-01A		MW-BR11	07/25/2007 11:47	07/26/2007	Soil	OLM4.2_PH	OLM, NYS--ADD LCS	☐	☐	☐	A1
						OLM4.2_PP_S	OLM, NYS--ADD LCS	☐	☐	☐	A1
						OLM4.2_SVOA_S	OLM, NYS--ADD LCS	☐	☐	☐	A1
						PMoist		☐	☐	☐	A1
F1025-01B		MW-BR11	07/25/2007 11:47	07/26/2007	Soil	ILM5.3_CN_S		☐	☐	☐	A1
						ILM5.3_HG_S	ILM5.3	☐	☐	☐	A1
						ILM5.3_ICP_S	ILM5.3	☐	☐	☑	A1
F1025-01C		MW-BR11	07/25/2007 11:47	07/26/2007	Soil	OLM4.2_VOA_LOW_S	OLM, NYS--ADD LCS	☐	☐	☐	VOA
F1025-01D	H	MW-BR11	07/25/2007 11:47	07/26/2007	Soil	OLM4.2_VOA_MED_S	OLM, NYS--ADD LCS	☑	☐	☐	VOA
F1025-02A		RB	07/31/2007 16:20	08/01/2007	Aqueous	OLM4.2_PP_W	OLM, NYS--ADD LCS	☐	☐	☐	E3
						OLM4.2_SVOA_W	OLM, NYS--ADD LCS	☐	☐	☐	E3
F1025-02B		RB	07/31/2007 16:20	08/01/2007	Aqueous	ILM5.3_HG_W	ILM5.3	☐	☐	☐	M1
						ILM5.3_ICP_W	ILM5.3	☐	☐	☑	M1

Client Rep: Shirley S Ng

Mitkem Corporation

01/Aug/07 10:33

WorkOrder: F1025

Client ID: ENE
Project: Old Troy Landfill
Location: 002699.ID09.03
Comments: EZ-EDD

Case:
SDG:
PO: 002699.ID09.03

Report Level: ASP-B
EDD: EQUIIS_GZA
HC Due: 08/24/07
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F1025-02C	RB	07/31/2007 16:20	08/01/2007	Aqueous	ILM5.3_CN_W		☐	☐	☐	E3
F1025-02D	RB	07/31/2007 16:20	08/01/2007	Aqueous	OLM4.2_VOA_W	OLM, NYS--ADD LCS	☐	☐	☐	VOA
F1025-03A	TB06	07/31/2007 16:19	08/01/2007	Aqueous	OLM4.2_VOA_W	OLM, NYS--ADD LCS	☐	☐	☐	VOA

Client Rep: Shirley S Ng

Sample Transmittal Documentation

MITKEM CORPORATION
175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

REPORT TO		INVOICE TO	
COMPANY Ecology + Environment	PHONE (716) 684-8060	COMPANY SAME	PHONE
NAME SARAH CRAIG	FAX (716) 684-0844	NAME	FAX
ADDRESS 368 PLEASANT VIEW DR		ADDRESS	
CITY/ST/ZIP LANCASTER, NY 14086		CITY/ST/ZIP	

LAB PROJECT #: F1025

TURNAROUND TIME:

CLIENT PROJECT NAME: Old Tray

CLIENT PROJECT #:

CLIENT P.O.#:

REQUESTED ANALYSES

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	TAL VOC's	TAL SVOCs	TAL PCBs PESTICIDES	TAL METALS + CYANIDE	COMMENTS
OTMI-MW18R11	7/25/07 1147		X		X		01	5	3	1	1		
	/												
	/												
	/												
	/												
	/												
	/												
	/												
	/												
	/												
	/												
	/												

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
		7/25/07 1400		7-26-07 9:00		4°C
		/		/		
		/		/		

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

MITKEM CORPORATION
175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

REPORT TO		INVOICE TO		
COMPANY: Ecology & Environment Inc.	PHONE: 716 6848060	COMPANY: SAME	PHONE:	LAB PROJECT #: F1025
NAME: EEEPC	FAX: 716 6840844	NAME:	FAX:	
ADDRESS: 368 PLEASANT VIEW DRIVE		ADDRESS:		TURNAROUND TIME:
CITY/ST/ZIP: Lancaster, NY 14086		CITY/ST/ZIP:		

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:
OTMi	002699.IDO9.03	

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: VOC's	Metals	Cyanide	SVOC's	PCB's/Pest	SVOC's PCB's, Extra Vol. if Needed						COMMENTS
OTMi-RB	7/31/07 1620		X	X			02		2	1	1	1	1		1					1-Amber ½ Full
OTMi-TB06	7/31/07 1619		X	X			03		2											for Extra Vol. if Needed
	/																			
	/																			
	/																			
	/																			
	/																			
	/																			
	/																			
	/																			
	/																			

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	[signature]	7/31/07 /	Derick DeCarli	8/1/07 / 9:10		5°C
		/		/		
		/		/		

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

0011

MITKEM CORPORATION

Sample Condition Form

Page 1 of 1

Received By: CW	Reviewed By:	Date: 7.26.07	MITKEM Workorder #: F1025
Client Project: Old Troy		Client: ENE	

1) Cooler Sealed — Yes / No

2) Custody Seal(s) — Present / Absent
Coolers / Bottles
Intact / Broken

3) Custody Seal Number(s) N/A

4) Chain-of-Custody — Present / Absent

5) Cooler Temperature 4°C
Coolant Condition

6) Airbill(s) — Present / Absent
Airbill Number(s) FEDEX 810160 4719 605607

7) Sample Bottles — Intact/Broken/Leaking

8) Date Received 7.26.07

9) Time Received 9:00

Preservative Name/Lot No:

Lab Sample ID		Preservation (pH) HNO_3	Preservation (pH) H_2SO_4	Preservation (pH) HCl	Preservation (pH) NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
F1025	01					M, F	

7.26.07 CW

VOA Matrix Key:

US = Unpreserved Soil	**A** = Air
UA = Unpreserved Aqu.	**H** = HCl
M= MeOH	**E** = Encore
N = $NaHSO_4$	**F** = Freeze

See Sample Condition Notification/Corrective Action Form yes / no

Rad OK yes/ no

MITKEM CORPORATION

Sample Condition Form

Received By: DKD	Reviewed By: KP	Date: 8/1/07	MITKEM Workorder #: F1025
Client Project: OTM1		Client: ENE	

1) Cooler Sealed (Yes) / No

2) Custody Seal(s) (Present) / Absent
(Coolers) / Bottles
(Intact) / Broken

3) Custody Seal Number(s) N/A

4) Chain-of-Custody (Present) / Absent

5) Cooler Temperature 5°C
Coolant Condition ice

6) Airbill(s) (Present) / Absent
Airbill Number(s) FedEx 861647196409

7) Sample Bottles (Intact)/Broken/Leaking

8) Date Received 8/1/07

9) Time Received 9:10

Preservative Name/Lot No:

Lab Sample ID		Preservation (pH) HNO_3	H_2SO_4	HCl	NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
F1025	02	<2			<12	UA	
F1025	03					UA	

DLP 8/1/07

VOA Matrix Key:

US = Unpreserved Soil	**A** = Air
UA = Unpreserved Aqu.	**H** = HCl
M= MeOH	**E** = Encore
N = $NaHSO_4$	**F** = Freeze

See Sample Condition Notification/Corrective Action Form yes / no

Rad OK yes/ no

MITKEM CORPORATION

* Volatiles *

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK5X	97	105	98		0
02	V5XLCS	96	109	98		0
03	RB	95	100	100		0
04	TB06	95	101	98		0
05	VBLK5Y	102	93	101		0
06	VHBLK5Y	100	92	101		0
07						
08						
09						
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29						
30						

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(88-110)
SMC2 (BFB) = Bromofluorobenzene	(86-115)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKA5	105	97	102		0
02	VA5LCS	103	93	101		0
03	MW-BR11	123	62	93		0
04	VHBLKA5	102	92	100		0
05						
06						
07						
08						
09						
10						
11						
12						
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25						
26						
27						
28						
29						
30						

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(84-138)
SMC2 (BFB) = Bromofluorobenzene	(59-113)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix Spike - Sample No.: V5XLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		51	102	61-145
Benzene	50		50	100	76-127
Trichloroethene	50		48	96	71-120
Toluene	50		48	96	76-125
Chlorobenzene	50		47	94	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix Spike - Sample No.: VA5LCS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		51	102	59-172
Benzene	50		53	106	66-142
Trichloroethene	50		50	100	62-137
Toluene	50		51	102	59-139
Chlorobenzene	50		53	106	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLK5X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Lab File ID: V5H9414 Lab Sample ID: MB-31493

Date Analyzed: 08/01/07 Time Analyzed: 1708

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V5XLCS	LCS-31493	V5H9415	1838
02	RB	F1025-02D	V5H9416	2004
03	TB06	F1025-03A	V5H9417	2032
04				
05				
06				
07				
08				
09				
10				
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28				
29				
30				

COMMENTS: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK5Y

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Lab File ID: V5H9435 Lab Sample ID: MB-31502

Date Analyzed: 08/02/07 Time Analyzed: 1002

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: V5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VHBLK5Y	VHBLK5Y	V5H9443	1354
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
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COMMENTS: _____

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLKA5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Lab File ID: V5H9469 Lab Sample ID: MB-31518

Date Analyzed: 08/03/07 Time Analyzed: 0303

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: V5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VA5LCS	LCS-31518	V5H9470	0333
02	MW-BR11	F1025-01C	V5H9475	0602
03	VHBLKA5	VHBLKA5	V5H9476	0632
04				
05				
06				
07				
08				
09				
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30				

COMMENTS: _____

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Lab File ID: V5H9407 BFB Injection Date: 08/01/07

Instrument ID: V5 BFB Injection Time: 1400

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.4
75	30.0 - 66.0% of mass 95	38.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	68.2
175	4.0 - 9.0% of mass 174	5.6 (8.2)1
176	93.0 - 101.0% of mass 174	67.6 (99.2)1
177	5.0 - 9.0% of mass 176	4.3 (6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0505X	VSTD0505X	V5H9408	08/01/07	1415
02	VSTD0205X	VSTD0205X	V5H9409	08/01/07	1444
03	VSTD0105X	VSTD0105X	V5H9410	08/01/07	1513
04	VSTD2005X	VSTD2005X	V5H9411	08/01/07	1541
05	VSTD1005X	VSTD1005X	V5H9412	08/01/07	1610
06	VBLK5X	MB-31493	V5H9414	08/01/07	1708
07	V5XLCS	LCS-31493	V5H9415	08/01/07	1838
08	RB	F1025-02D	V5H9416	08/01/07	2004
09	TB06	F1025-03A	V5H9417	08/01/07	2032
10					
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21					
22					

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Lab File ID: V5H9433 BFB Injection Date: 08/02/07

Instrument ID: V5 BFB Injection Time: 0911

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.0
75	30.0 - 66.0% of mass 95	40.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	73.3
175	4.0 - 9.0% of mass 174	5.6 (7.7)1
176	93.0 - 101.0% of mass 174	69.2 (94.4)1
177	5.0 - 9.0% of mass 176	4.6 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0505Y	VSTD0505Y	V5H9434	08/02/07	0933
02	VBLK5Y	MB-31502	V5H9435	08/02/07	1002
03	VHBLK5Y	VHBLK5Y	V5H9443	08/02/07	1354
04					
05					
06					
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19					
20					
21					
22					

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Lab File ID: V5H9462 BFB Injection Date: 08/02/07

Instrument ID: V5 BFB Injection Time: 2302

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	14.4
75	30.0 - 66.0% of mass 95	37.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	71.1
175	4.0 - 9.0% of mass 174	5.4 (7.6)1
176	93.0 - 101.0% of mass 174	70.2 (98.8)1
177	5.0 - 9.0% of mass 176	4.3 (6.1)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0505Z	VSTD0505Z	V5H9463	08/02/07	2332
02	VSTD0205Z	VSTD0205Z	V5H9464	08/03/07	0003
03	VSTD0105Z	VSTD0105Z	V5H9465	08/03/07	0033
04	VSTD2005Z	VSTD2005Z	V5H9466	08/03/07	0102
05	VSTD1005Z	VSTD1005Z	V5H9467	08/03/07	0132
06	VBLKA5	MB-31518	V5H9469	08/03/07	0303
07	VA5LCS	LCS-31518	V5H9470	08/03/07	0333
08	MW-BR11	F1025-01C	V5H9475	08/03/07	0602
09	VHBLKA5	VHBLKA5	V5H9476	08/03/07	0632
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19					
20					
21					
22					

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

EPA Sample No. (VSTD050##): VSTD0505X Date Analyzed: 08/01/07

Lab File ID (Standard): V5H9408 Time Analyzed: 1415

Instrument ID: V5 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#
	12 HOUR STD	85585		4.93		428793		5.92		347031		9.01	
	UPPER LIMIT	171170		5.43		857586		6.42		694062		9.51	
	LOWER LIMIT	42793		4.43		214397		5.42		173516		8.51	
	EPA SAMPLE												
01	VBLK5X	98294		4.93		476121		5.93		388718		9.01	
02	V5XLCS	97589		4.94		476538		5.92		380129		9.01	
03	RB	101433		4.93		499320		5.92		410697		9.01	
04	TB06	96521		4.94		472287		5.92		392811		9.00	
05													
06													
07													
08													
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15													
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17													
18													
19													
20													
21													
22													

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

EPA Sample No. (VSTD050##): VSTD0505Y Date Analyzed: 08/02/07

Lab File ID (Standard): V5H9434 Time Analyzed: 0933

Instrument ID: V5 Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	86985	4.94	413011	5.93	351658	9.00
	UPPER LIMIT	173970	5.44	826022	6.43	703316	9.50
	LOWER LIMIT	43493	4.44	206506	5.43	175829	8.50
	EPA SAMPLE						
01	VBLK5Y	107093	4.94	499552	5.92	420315	9.00
02	VHBLK5Y	99615	4.93	479336	5.92	399265	9.01
03							
04							
05							
06							
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18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

EPA Sample No. (VSTD050##): VSTD0505Z Date Analyzed: 08/02/07

Lab File ID (Standard): V5H9463 Time Analyzed: 2332

Instrument ID: V5 Heated Purge: (Y/N) Y

GC Column: DB-624 ID: 0.25 (mm)

		IS1(BCM) AREA	#	RT	#	IS2(DFB) AREA	#	RT	#	IS3(CBZ) AREA	#	RT	#
	12 HOUR STD	69014		4.93		292062		5.92		265492		9.01	
	UPPER LIMIT	138028		5.43		584124		6.42		530984		9.51	
	LOWER LIMIT	34507		4.43		146031		5.42		132746		8.51	
	EPA SAMPLE												
01	VBLKA5	77735		4.93		310678		5.92		277181		9.01	
02	VA5LCS	59793		4.93		250622		5.92		213753		9.01	
03	MW-BR11	58673		4.93		231401		5.93		162847		9.01	
04	VHBLKA5	80437		4.93		318189		5.92		284513		9.01	
05													
06													
07													
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22													

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-BR11

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) SOIL Lab Sample ID: F1025-01C

Sample wt/vol: 7.3 (g/mL) G Lab File ID: V5H9475

Level: (low/med) LOW Date Received: 07/26/07

% Moisture: not dec. 13 Date Analyzed: 08/03/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	8	U
74-87-3	Chloromethane	8	U
75-01-4	Vinyl Chloride	8	U
74-83-9	Bromomethane	8	U
75-00-3	Chloroethane	8	U
75-69-4	Trichlorofluoromethane	8	U
75-35-4	1,1-Dichloroethene	8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	8	U
67-64-1	Acetone	8	U
75-15-0	Carbon Disulfide	8	U
79-20-9	Methyl Acetate	8	U
75-09-2	Methylene Chloride	8	U
156-60-5	trans-1,2-Dichloroethene	8	U
1634-04-4	Methyl tert-Butyl Ether	8	U
75-34-3	1,1-Dichloroethane	8	U
156-59-2	cis-1,2-Dichloroethene	8	U
78-93-3	2-Butanone	8	U
67-66-3	Chloroform	8	U
71-55-6	1,1,1-Trichloroethane	8	U
110-82-7	Cyclohexane	8	U
56-23-5	Carbon Tetrachloride	8	U
71-43-2	Benzene	8	U
107-06-2	1,2-Dichloroethane	8	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-BR11

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) SOIL Lab Sample ID: F1025-01C

Sample wt/vol: 7.3 (g/mL) G Lab File ID: V5H9475

Level: (low/med) LOW Date Received: 07/26/07

% Moisture: not dec. 13 Date Analyzed: 08/03/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	8	U
108-87-2	Methylcyclohexane	8	U
78-87-5	1,2-Dichloropropane	8	U
75-27-4	Bromodichloromethane	8	U
10061-01-5	cis-1,3-Dichloropropene	8	U
108-10-1	4-Methyl-2-Pentanone	8	U
108-88-3	Toluene	8	U
10061-02-6	trans-1,3-Dichloropropene	8	U
79-00-5	1,1,2-Trichloroethane	8	U
127-18-4	Tetrachloroethene	8	U
591-78-6	2-Hexanone	8	U
124-48-1	Dibromochloromethane	8	U
106-93-4	1,2-Dibromoethane	8	U
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	8	U
1330-20-7	Xylene (Total)	8	U
100-42-5	Styrene	8	U
75-25-2	Bromoform	8	U
98-82-8	Isopropylbenzene	8	U
79-34-5	1,1,2,2-Tetrachloroethane	8	U
541-73-1	1,3-Dichlorobenzene	8	U
106-46-7	1,4-Dichlorobenzene	8	U
95-50-1	1,2-Dichlorobenzene	8	U
96-12-8	1,2-Dibromo-3-chloropropane	8	U
120-82-1	1,2,4-Trichlorobenzene	8	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MW-BR11

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) SOIL Lab Sample ID: F1025-01C

Sample wt/vol: 7.3 (g/mL) G Lab File ID: V5H9475

Level: (low/med) LOW Date Received: 07/26/07

% Moisture: not dec. 13 Date Analyzed: 08/03/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	10.64	6	NJ
2.				
3.				
4.				
5.				
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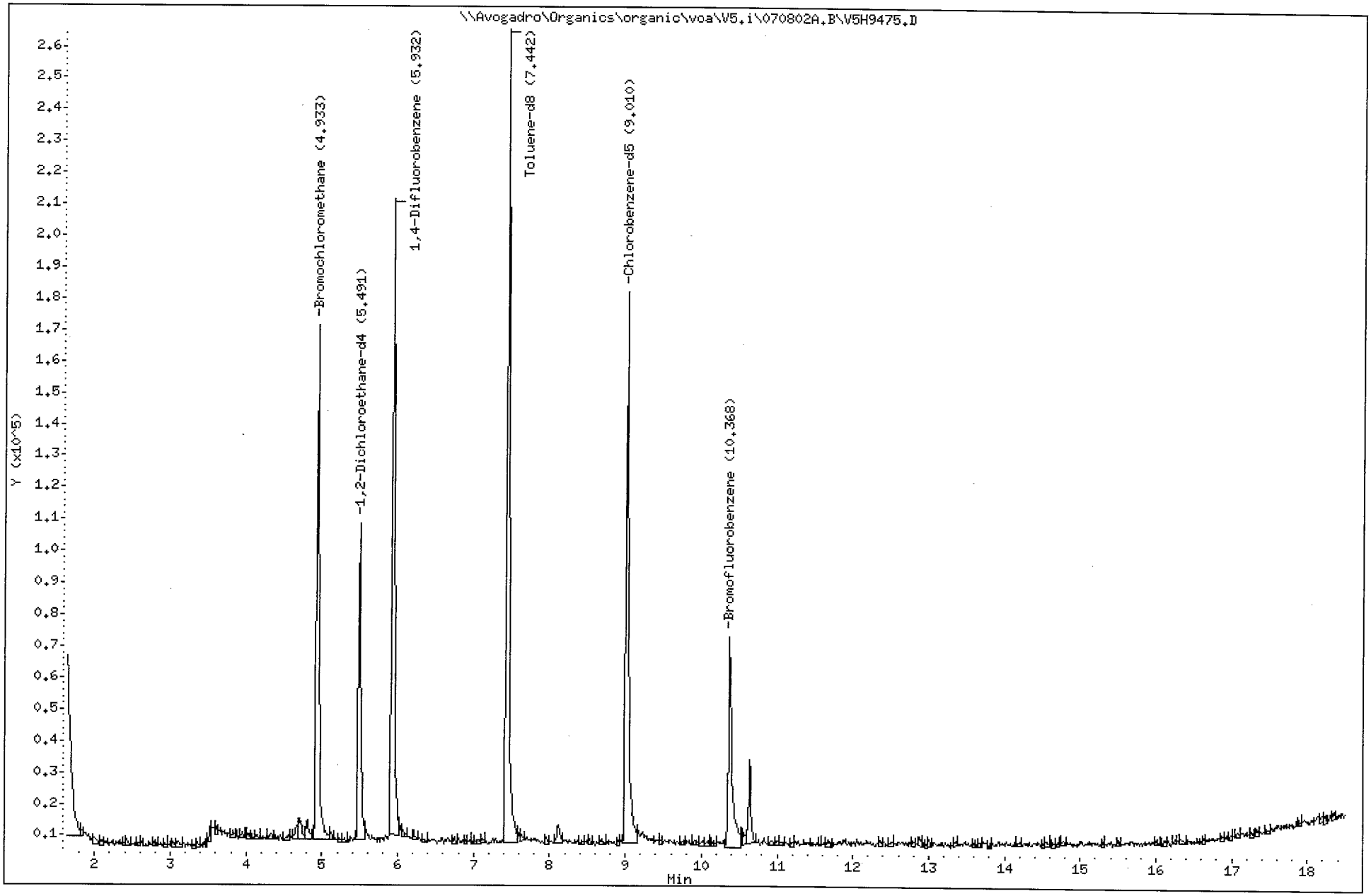
Data File: \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9475.D
Date : 03-AUG-2007 06:02
Client ID: MW-BR11
Sample Info: 5G,F1025-01C,,31518

Column phase: DB-624

Instrument: V5.i

Operator: HZA SRC: LIMS
Column diameter: 0.25



Data File: V5H9475.D
Report Date: 16-Aug-2007 16:27

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9475.D
Lab Smp Id: F1025-01C Client Smp ID: MW-BR11
Inj Date : 03-AUG-2007 06:02
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 5G,F1025-01C,,31518
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\v5clp4h.m
Meth Date : 06-Aug-2007 12:30 sbotvin Quant Type: ISTD
Cal Date : 02-AUG-2007 23:32 Cal File: V5H9463.D
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14
Processing Host: TARGET110

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	7.300	Weight of sample extracted (g)
M	13.000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
* 18 Bromochloromethane	128	4.933	4.933	(1.000)	58673	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.490	5.491	(1.113)	73391	46.3291	36
* 26 1,4-Difluorobenzene	114	5.932	5.921	(1.000)	231401	50.0000	
$ 33 Toluene-d8	98	7.441	7.430	(0.826)	234018	61.3790	48
* 42 Chlorobenzene-d5	117	9.009	9.010	(1.000)	162847	50.0000	
$ 50 Bromofluorobenzene	95	10.368	10.357	(1.151)	46686	30.8357	24

8/16/07

Data File: V5H9475.D
Report Date: 09-Aug-2007 20:16

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9475.D
Lab Smp Id: F1025-01C Client Smp ID: MW-BR11
Inj Date : 03-AUG-2007 06:02
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 5G,F1025-01C,,31518
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\v5clp4h.m
Meth Date : 06-Aug-2007 12:30 sbotvin Quant Type: ISTD
Cal Date : 03-AUG-2007 02:33 Cal File: V5H9468.D
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	7.300	Weight of sample extracted (g)
M	13.000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 42 Chlorobenzene-d5	9.010	434280	50.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Cyclotetrasiloxane, octamethyl-			CAS #: 556-67-2				
10.635	66868	7.69867574	6	87	NIST2002.L	115617	42

Data File: \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9475.D

Date : 03-AUG-2007 06:02

Client ID: MW-BR11

Instrument: V5.i

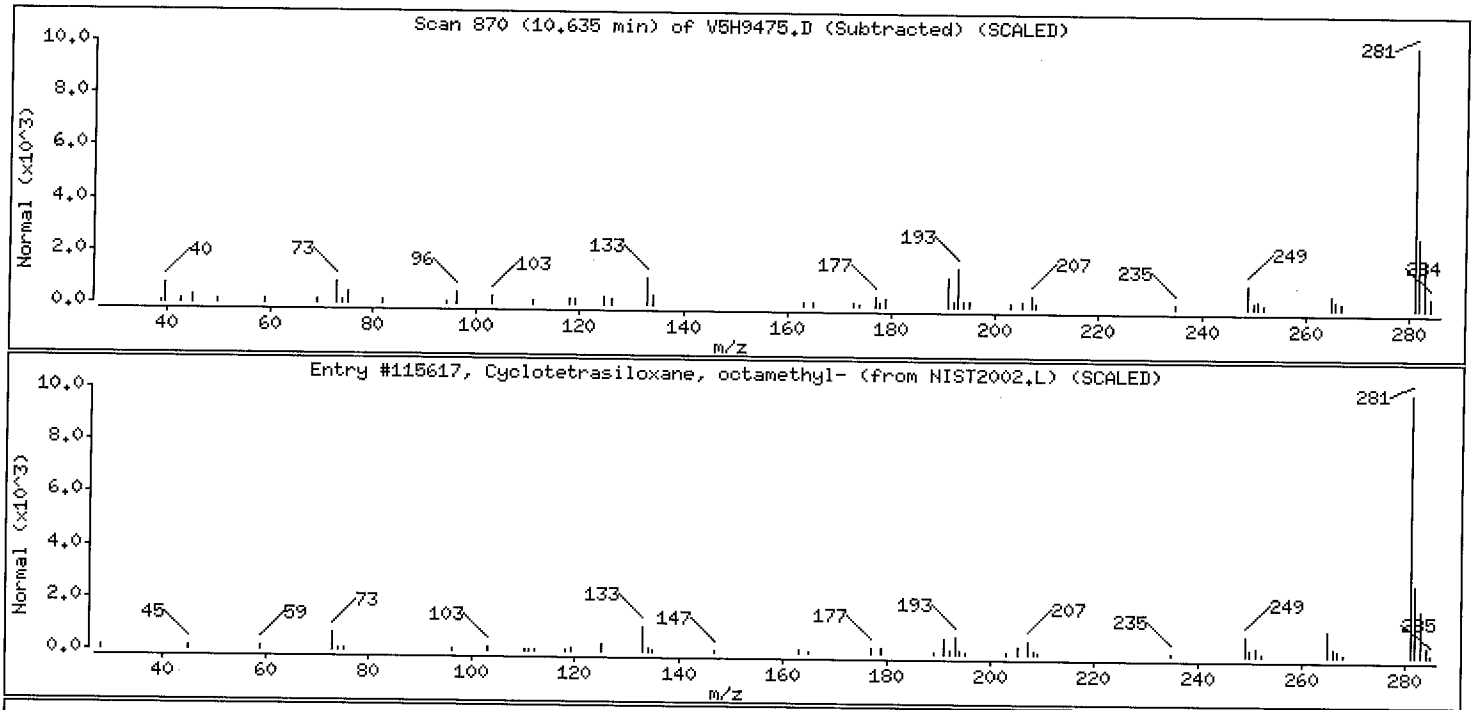
Sample Info: 5G,F1025-01C,,31518

Operator: HZA SRC: LIMS

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST2002.L	115617	87	C8H24O4Si4	296



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: F1025-02D

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9416

Level: (low/med) LOW Date Received: 08/01/07

% Moisture: not dec. _____ Date Analyzed: 08/01/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: F1025-02D

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9416

Level: (low/med) LOW Date Received: 08/01/07

% Moisture: not dec. _____ Date Analyzed: 08/01/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RB

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: F1025-02D

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9416

Level: (low/med) LOW Date Received: 08/01/07

% Moisture: not dec. _____ Date Analyzed: 08/01/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
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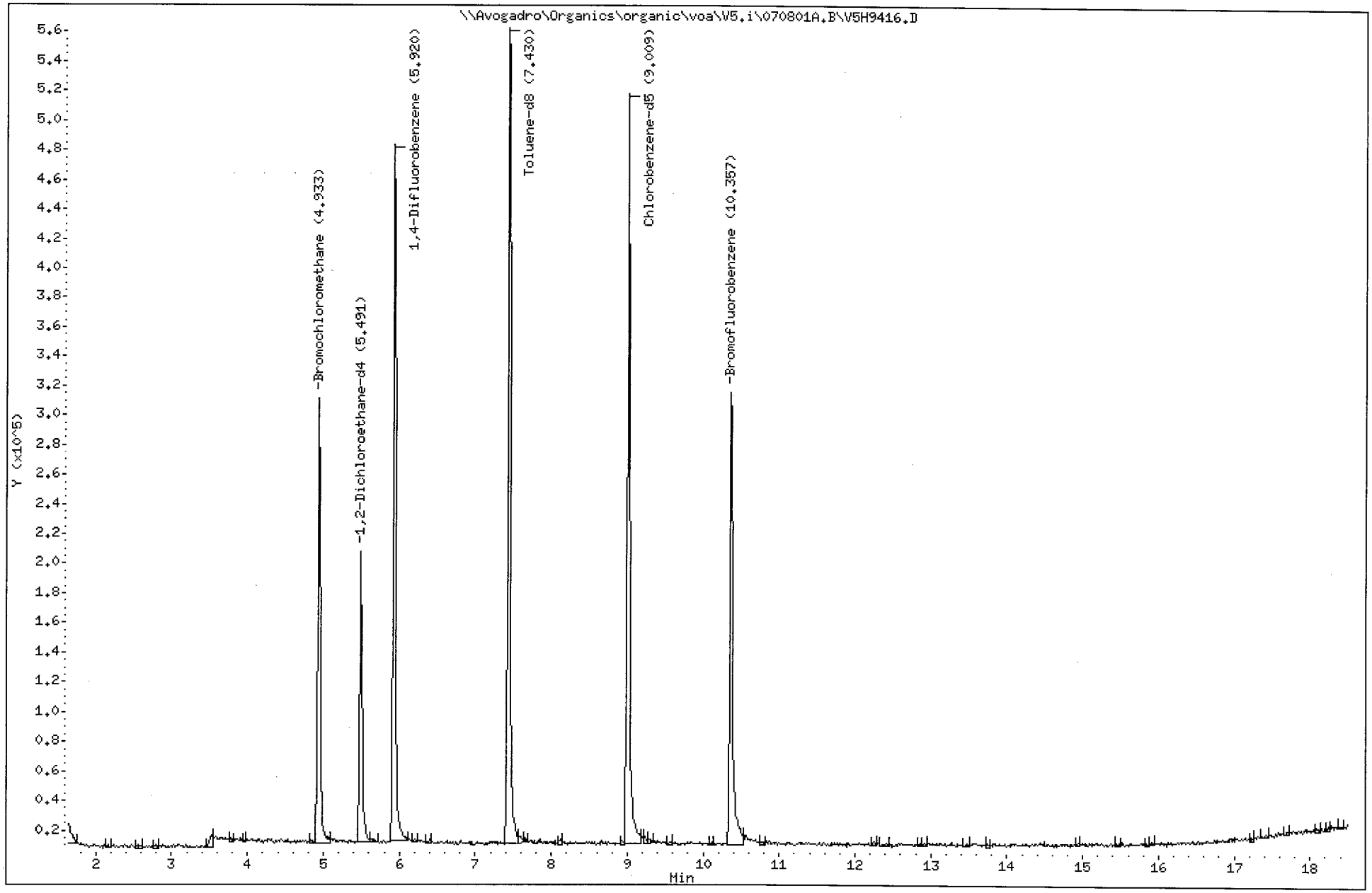
26.					
27.					
28.					
29.					
30.					

Data File: \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9416.D
Date : 01-AUG-2007 20:04
Client ID: RB
Instrument: V5.i
Sample Info: 5ML,F1025-02D,,31493
Purge Volume: 5.0
Operator: HZA SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: V5H9416.D
Report Date: 09-Aug-2007 20:17

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9416.D
Lab Smp Id: F1025-02D Client Smp ID: RB
Inj Date : 01-AUG-2007 20:04
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 5ML,F1025-02D,,31493
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\v5clp4.m
Meth Date : 09-Aug-2007 16:05 V5.i Quant Type: ISTD
Cal Date : 01-AUG-2007 14:15 Cal File: V5H9408.D
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Va	10.000	LCS Aliquot Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
* 18 Bromochloromethane	128	4.933	4.934	(1.000)	101433	50.0000	
$ 24 1,2-Dichloroethane-d4	65	5.490	5.492	(1.113)	142855	49.8022	50
* 27 1,4-Difluorobenzene	114	5.920	5.922	(1.000)	499320	50.0000	
$ 35 Toluene-d8	98	7.430	7.431	(0.825)	509448	47.3005	47
* 43 Chlorobenzene-d5	117	9.009	9.011	(1.000)	410697	50.0000	
$ 51 Bromofluorobenzene	95	10.356	10.358	(1.150)	184146	49.9127	50

DH
8/14/07

KL

Data File: V5H9416.D
Report Date: 09-Aug-2007 20:17

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9416.D
Lab Smp Id: F1025-02D Client Smp ID: RB
Inj Date : 01-AUG-2007 20:04
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 5ML,F1025-02D,,31493
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\v5clp4.m
Meth Date : 09-Aug-2007 16:05 V5.i Quant Type: ISTD
Cal Date : 01-AUG-2007 14:15 Cal File: V5H9408.D
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB06

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: F1025-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9417

Level: (low/med) LOW Date Received: 08/01/07

% Moisture: not dec. _____ Date Analyzed: 08/01/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB06

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: F1025-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9417

Level: (low/med) LOW Date Received: 08/01/07

% Moisture: not dec. _____ Date Analyzed: 08/01/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB06

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: F1025-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9417

Level: (low/med) LOW Date Received: 08/01/07

% Moisture: not dec. _____ Date Analyzed: 08/01/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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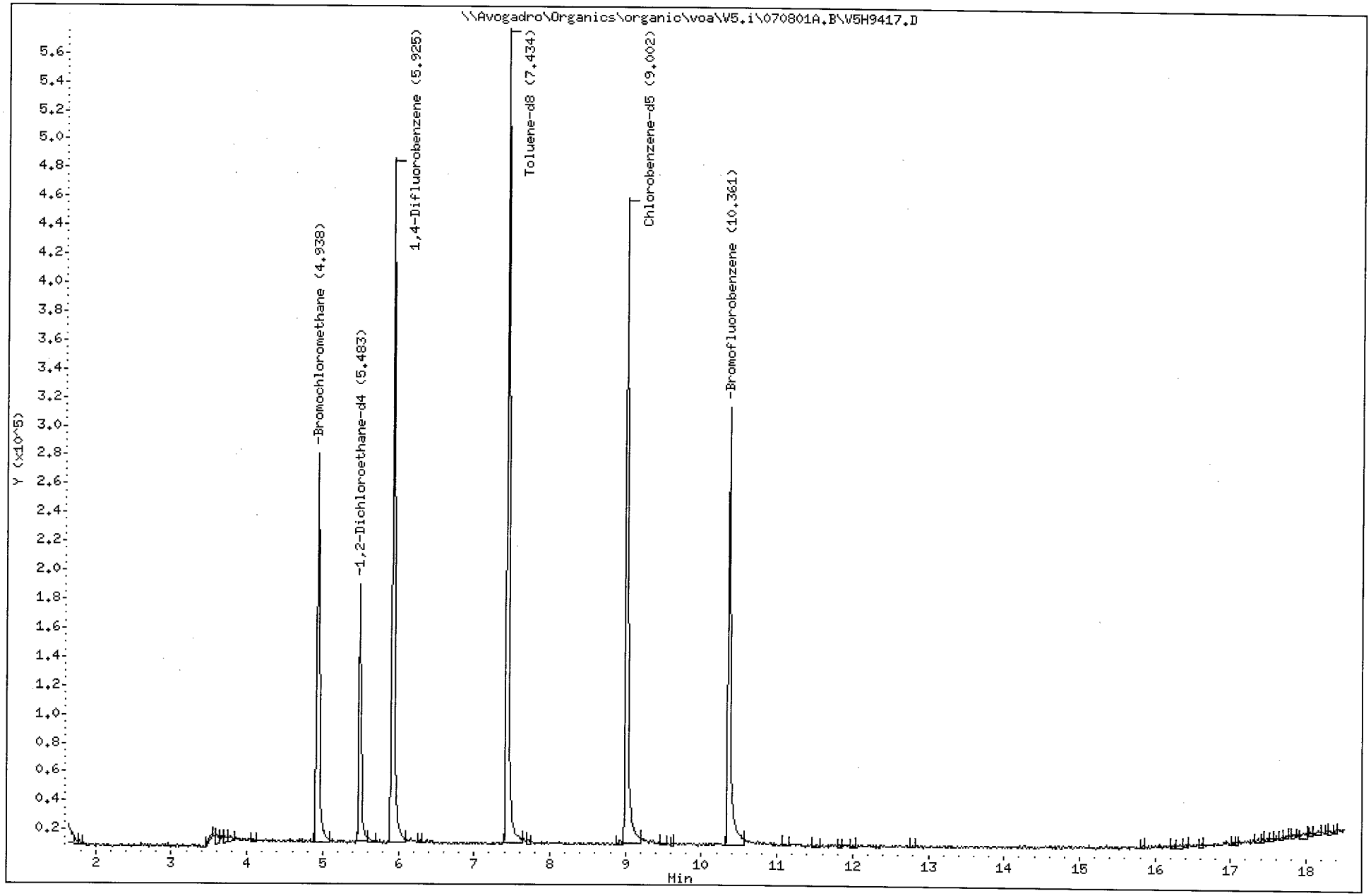
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9417.D
Date : 01-AUG-2007 20:32
Client ID: TB06
Sample Info: 5ML,F1025-03A,,31493
Purge Volume: 5.0
Column phase: DB-624

Instrument: V5.i
Operator: HZA SRC: LIMS
Column diameter: 0.25



Data File: V5H9417.D
Report Date: 09-Aug-2007 20:17

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9417.D
Lab Smp Id: F1025-03A Client Smp ID: TB06
Inj Date : 01-AUG-2007 20:32
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 5ML,F1025-03A,,31493
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\v5clp4.m
Meth Date : 09-Aug-2007 16:05 V5.i Quant Type: ISTD
Cal Date : 01-AUG-2007 14:15 Cal File: V5H9408.D
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Va	10.000	LCS Aliquot Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
* 18 Bromochloromethane	128	4.937	4.934	(1.000)	96521	50.0000	
$ 24 1,2-Dichloroethane-d4	65	5.483	5.492	(1.111)	133623	48.9544	49
* 27 1,4-Difluorobenzene	114	5.924	5.922	(1.000)	472287	50.0000	
$ 35 Toluene-d8	98	7.434	7.431	(0.826)	490029	47.5692	48
* 43 Chlorobenzene-d5	117	9.002	9.011	(1.000)	392811	50.0000	
$ 51 Bromofluorobenzene	95	10.360	10.358	(1.151)	178559	50.6021	51

21
8/9/07

KL

Data File: V5H9417.D
Report Date: 09-Aug-2007 20:17

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9417.D
Lab Smp Id: F1025-03A Client Smp ID: TB06
Inj Date : 01-AUG-2007 20:32
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 5ML,F1025-03A,,31493
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\v5clp4.m
Meth Date : 09-Aug-2007 16:05 V5.i Quant Type: ISTD
Cal Date : 01-AUG-2007 14:15 Cal File: V5H9408.D
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Instrument ID: V5 Calibration Date(s): 08/01/07 08/01/07

Heated Purge: (Y/N) N Calibration Times: 1415 1610

GC Column: DB-624 ID: 0.25 (mm)

LAB FILE ID: RRF10 = V5H9410 RRF20 = V5H9409
RRF50 = V5H9408 RRF100= V5H9412 RRF200= V5H9411

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.393	0.510	0.553	0.476	0.433	0.473	13.3
Chloromethane	0.778	0.821	0.895	0.815	0.711	0.804	8.3
Vinyl Chloride *	0.800	0.774	0.898	0.829	0.750	0.810	7.1*
Bromomethane *	0.505	0.564	0.571	0.425	0.391	0.491	16.5*
Chloroethane	0.434	0.429	0.465	0.347	0.298	0.395	17.6
Trichlorofluoromethane	1.125	1.189	1.336	1.164	1.105	1.184	7.7
1,1-Dichloroethene *	0.556	0.548	0.581	0.542	0.493	0.544	5.9*
1,1,2-Trichloro-1,2,2-trifluoroethane	0.618	0.665	0.712	0.631	0.550	0.635	9.4
Acetone	0.497	0.389	0.454	0.386	0.377	0.421	12.5
Carbon Disulfide	1.989	1.922	2.044	1.873	1.768	1.919	5.5
Methyl Acetate	0.557	0.503	0.579	0.522	0.487	0.530	7.2
Methylene Chloride	0.874	0.872	0.930	0.835	0.749	0.852	7.8
trans-1,2-Dichloroethene	1.854	1.814	1.893	1.696	1.534	1.758	8.3
Methyl tert-Butyl Ether	4.111	4.033	4.333	4.160	3.888	4.105	4.0
1,1-Dichloroethane *	3.196	3.149	3.309	3.127	2.944	3.145	4.2*
cis-1,2-Dichloroethene	1.955	1.919	1.994	1.854	1.705	1.885	6.0
2-Butanone	0.834	0.796	0.812	0.777	0.719	0.788	5.6
Chloroform *	3.059	2.982	3.117	2.900	2.715	2.955	5.3*
1,1,1-Trichloroethane *	0.452	0.432	0.462	0.441	0.404	0.438	5.1*
Cyclohexane	0.466	0.506	0.556	0.498	0.435	0.492	9.3
Carbon Tetrachloride *	0.370	0.370	0.402	0.373	0.353	0.374	4.7*
Benzene *	1.326	1.359	1.364	1.225	1.004	1.256	12.1*
1,2-Dichloroethane *	1.809	1.743	1.841	1.764	1.667	1.765	3.8*
Trichloroethene *	0.332	0.330	0.345	0.321	0.288	0.323	6.6*
Methylcyclohexane	0.421	0.456	0.480	0.407	0.327	0.418	14.0

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6B
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Instrument ID: V5 Calibration Date(s): 08/01/07 08/01/07

Heated Purge: (Y/N) N Calibration Times: 1415 1610

GC Column: DB-624 ID: 0.25 (mm)

LAB FILE ID: RRF10 = V5H9410 RRF20 = V5H9409
RRF50 = V5H9408 RRF100= V5H9412 RRF200= V5H9411

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
1,2-Dichloropropane		0.395	0.380	0.394	0.355	0.287	0.362	12.4
Bromodichloromethane	*	0.408	0.407	0.422	0.414	0.382	0.407	3.6*
cis-1,3-Dichloropropene	*	0.444	0.472	0.508	0.487	0.438	0.470	6.2*
4-Methyl-2-Pentanone		0.253	0.326	0.356	0.346	0.335	0.323	12.6
Toluene	*	1.700	1.604	1.658	1.464	1.279	1.541	11.1*
trans-1,3-Dichloropropene	*	0.367	0.374	0.431	0.411	0.378	0.392	7.1*
1,1,2-Trichloroethane	*	0.302	0.279	0.312	0.283	0.256	0.286	7.6*
Tetrachloroethene	*	0.321	0.286	0.298	0.277	0.265	0.289	7.4*
2-Hexanone		0.164	0.170	0.223	0.240	0.242	0.208	18.3
Dibromochloromethane	*	0.320	0.312	0.353	0.338	0.308	0.326	5.8*
1,2-Dibromoethane		0.424	0.386	0.429	0.402	0.387	0.406	4.9
Chlorobenzene	*	1.052	0.996	1.044	0.936	0.833	0.972	9.3*
Ethylbenzene	*	0.520	0.504	0.525	0.478	0.428	0.491	8.1*
Xylene (Total)	*	0.636	0.599	0.621	0.552	0.473	0.576	11.5*
Styrene	*	0.610	0.622	0.674	0.622	0.540	0.614	7.8*
Bromoform	*	0.203	0.195	0.223	0.217	0.201	0.208	5.6*
Isopropylbenzene		1.548	1.536	1.590	1.421	1.302	1.479	7.9
1,1,2,2-Tetrachloroethane	*	0.488	0.467	0.534	0.471	0.443	0.481	7.0*
1,3-Dichlorobenzene	*	0.632	0.644	0.708	0.676	0.646	0.661	4.6*
1,4-Dichlorobenzene	*	0.759	0.761	0.776	0.725	0.677	0.740	5.4*
1,2-Dichlorobenzene	*	0.656	0.631	0.686	0.649	0.624	0.649	3.8*
1,2-Dibromo-3-chloropropane		0.040	0.044	0.054	0.058	0.054	0.050	14.6
1,2,4-Trichlorobenzene	*	0.267	0.284	0.313	0.356	0.362	0.316	13.4*
Toluene-d8		1.385	1.308	1.311	1.205	1.101	1.262	8.7
Bromofluorobenzene	*	0.439	0.458	0.449	0.489	0.460	0.459	4.1*
1,2-Dichloroethane-d4		1.551	1.520	1.414	1.399	1.387	1.454	5.2

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Instrument ID: V5 Calibration Date(s): 08/02/07 08/03/07

Heated Purge: (Y/N) Y Calibration Times: 2332 0132

GC Column: DB-624 ID: 0.25(mm)

LAB FILE ID: RRF10 = V5H9465 RRF20 = V5H9464
RRF50 = V5H9463 RRF100= V5H9467 RRF200= V5H9466

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane		0.375	0.435	0.414	0.477	0.456	0.431	9.1
Chloromethane		0.572	0.564	0.653	0.674	0.643	0.621	8.0
Vinyl Chloride	*	0.646	0.558	0.618	0.644	0.611	0.615	5.8*
Bromomethane	*	0.441	0.376	0.444	0.410	0.378	0.410	8.0*
Chloroethane		0.375	0.337	0.333	0.316	0.272	0.327	11.4
Trichlorofluoromethane		1.141	1.055	1.151	1.117	1.093	1.111	3.5
1,1-Dichloroethene	*	0.510	0.450	0.510	0.476	0.469	0.483	5.5*
1,1,2-Trichloro-1,2,2-trifluoroethane		0.627	0.590	0.669	0.670	0.652	0.642	5.3
Acetone		0.521	0.491	0.469	0.449	0.383	0.463	11.2
Carbon Disulfide		1.556	1.560	1.697	1.667	1.635	1.623	3.9
Methyl Acetate		0.512	0.556	0.572	0.628	0.563	0.566	7.3
Methylene Chloride		0.759	0.805	0.829	0.819	0.786	0.800	3.5
trans-1,2-Dichloroethene		1.524	1.447	1.564	1.566	1.443	1.509	4.0
Methyl tert-Butyl Ether		3.862	3.727	4.152	4.260	4.216	4.043	5.8
1,1-Dichloroethane	*	2.538	2.499	2.857	2.815	2.677	2.677	6.0*
cis-1,2-Dichloroethene		1.852	1.757	1.846	1.782	1.665	1.780	4.3
2-Butanone		0.593	0.775	0.794	0.884	0.787	0.767	13.8
Chloroform	*	2.568	2.604	2.753	2.734	2.641	2.660	3.0*
1,1,1-Trichloroethane	*	0.390	0.398	0.445	0.432	0.419	0.417	5.5*
Cyclohexane		0.422	0.423	0.512	0.499	0.483	0.468	9.1
Carbon Tetrachloride	*	0.318	0.328	0.385	0.372	0.371	0.355	8.4*
Benzene	*	1.254	1.294	1.382	1.262	1.138	1.266	6.9*
1,2-Dichloroethane	*	1.600	1.512	1.722	1.680	1.712	1.645	5.4*
Trichloroethene	*	0.304	0.302	0.352	0.332	0.321	0.322	6.3*
Methylcyclohexane		0.420	0.446	0.508	0.474	0.431	0.456	7.8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6B
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Instrument ID: V5 Calibration Date(s): 08/02/07 08/03/07

Heated Purge: (Y/N) Y Calibration Times: 2332 0132

GC Column: DB-624 ID: 0.25(mm)

LAB FILE ID: RRF10 = V5H9465 RRF20 = V5H9464
RRF50 = V5H9463 RRF100= V5H9467 RRF200= V5H9466

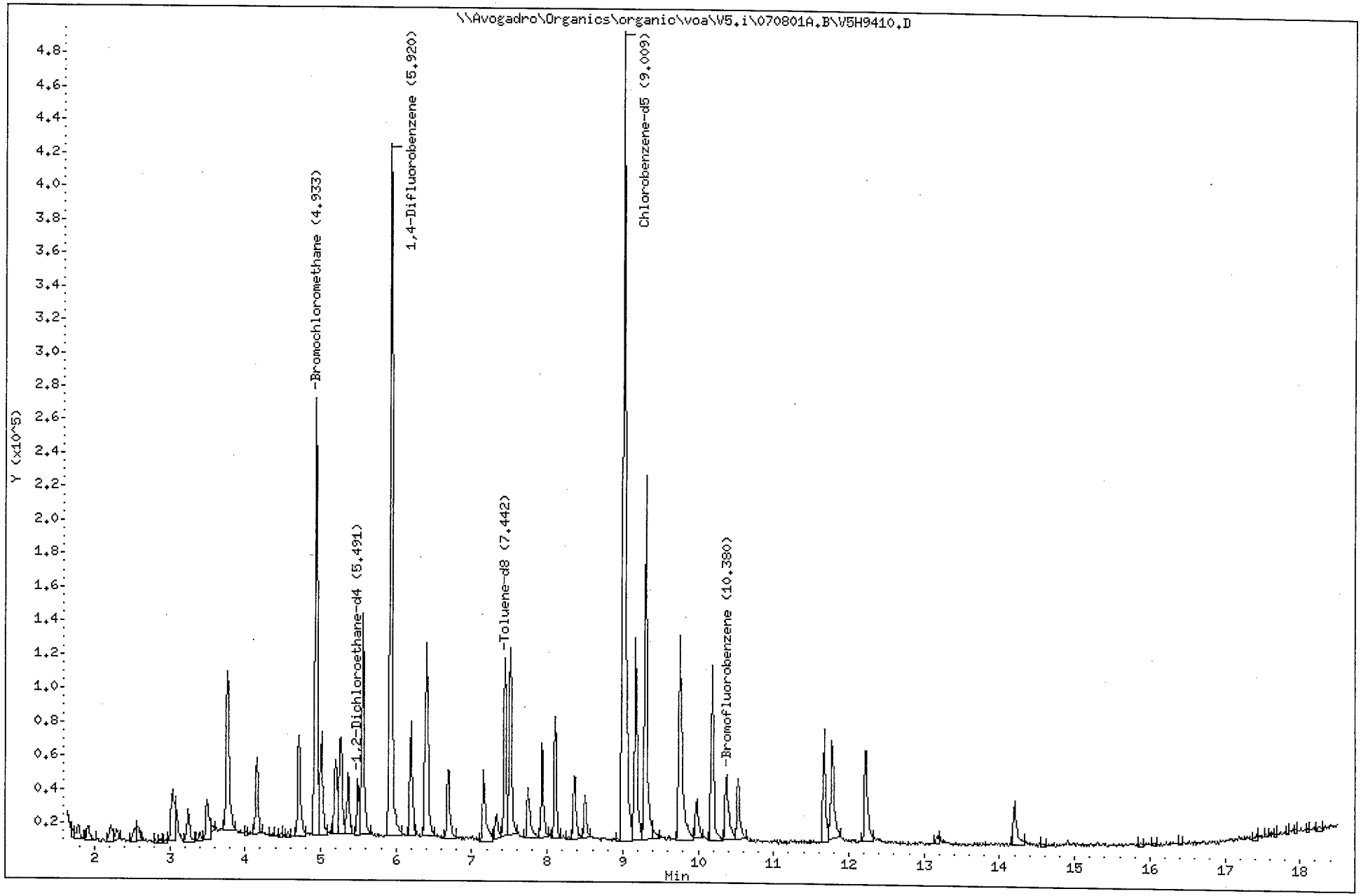
COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
1,2-Dichloropropane		0.384	0.382	0.407	0.369	0.328	0.374	7.7	
Bromodichloromethane	*	0.409	0.410	0.474	0.461	0.452	0.441	6.7*	
cis-1,3-Dichloropropene	*	0.432	0.442	0.529	0.504	0.508	0.483	8.9*	
4-Methyl-2-Pentanone		0.312	0.362	0.390	0.441	0.394	0.380	12.4	
Toluene	*	1.374	1.386	1.518	1.515	1.274	1.413	7.3*	
trans-1,3-Dichloropropene	*	0.354	0.367	0.445	0.438	0.444	0.410	11.0*	
1,1,2-Trichloroethane	*	0.318	0.312	0.356	0.335	0.324	0.329	5.3*	
Tetrachloroethene	*	0.246	0.255	0.269	0.281	0.251	0.260	5.5*	
2-Hexanone		0.099	0.159	0.197	0.292	0.276	0.205	39.4	
Dibromochloromethane	*	0.348	0.354	0.415	0.396	0.390	0.381	7.5*	
1,2-Dibromoethane		0.405	0.402	0.449	0.474	0.435	0.433	7.0	
Chlorobenzene	*	0.954	0.927	1.016	0.986	0.871	0.951	5.8*	
Ethylbenzene	*	0.400	0.408	0.466	0.482	0.419	0.435	8.4*	
Xylene (Total)	*	0.490	0.525	0.601	0.573	0.474	0.533	10.1*	
Styrene	*	0.535	0.551	0.648	0.644	0.556	0.587	9.3*	
Bromoform	*	0.233	0.249	0.291	0.282	0.279	0.267	9.2*	
Isopropylbenzene		1.177	1.237	1.411	1.449	1.247	1.304	9.1	
1,1,2,2-Tetrachloroethane	*	0.547	0.537	0.602	0.615	0.540	0.568	6.6*	
1,3-Dichlorobenzene	*	0.535	0.580	0.698	0.733	0.677	0.645	13.0*	
1,4-Dichlorobenzene	*	0.628	0.694	0.801	0.787	0.715	0.725	9.8*	
1,2-Dichlorobenzene	*	0.598	0.605	0.729	0.746	0.673	0.670	10.1*	
1,2-Dibromo-3-chloropropane		0.057	0.070	0.071	0.087	0.080	0.073	15.2	
1,2,4-Trichlorobenzene	*	0.269	0.284	0.375	0.426	0.414	0.354	20.7*	<-
Toluene-d8		0.990	1.096	1.171	1.074	1.055	1.077	6.1	
Bromofluorobenzene	*	0.351	0.396	0.465	0.452	0.458	0.424	11.6*	
1,2-Dichloroethane-d4		1.292	1.210	1.350	1.370	1.369	1.318	5.2	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Data File: \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9410.D
Date : 01-AUG-2007 15:13
Client ID: VSTD0105X
Sample Info: 5ML,VSTD0105X,VSTD0105X
Purge Volume: 5.0
Column phase: DB-624

Instrument: V5.i

Operator: HZA SRC: HZA
Column diameter: 0.25



T5S9

Data File: V5H9410.D
Report Date: 03-Aug-2007 10:25

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9410.D
Lab Smp Id: VSTD0105X Client Smp ID: VSTD0105X
Inj Date : 01-AUG-2007 15:13
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5ML,VSTD0105X,VSTD0105X
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\v5clp4.m
Meth Date : 03-Aug-2007 10:20 sbotvin Quant Type: ISTD
Cal Date : 01-AUG-2007 14:15 Cal File: V5H9408.D
Als bottle: 96 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Va	10.000	LCS Aliquot Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.635	1.648	(0.331)	6935	10.0000	8(a)
2	Chloromethane	50	1.785	1.799	(0.362)	13727	10.0000	10
3	Vinyl Chloride	62	1.925	1.927	(0.390)	14106	10.0000	10
4	Bromomethane	94	2.215	2.229	(0.449)	8913	10.0000	10
5	Chloroethane	64	2.285	2.298	(0.463)	7656	10.0000	11
6	Trichlorofluoromethane	101	2.575	2.589	(0.522)	19855	10.0000	10
7	1,1-Dichloroethene	96	3.040	3.041	(0.616)	9815	10.0000	10
9	Acetone	43	3.086	3.076	(0.626)	8765	10.0000	12
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.075	3.076	(0.623)	10906	10.0000	10
10	Carbon Disulfide	76	3.249	3.251	(0.659)	35091	10.0000	10
11	Methyl Acetate	43	3.400	3.390	(0.689)	9826	10.0000	11
12	Methylene Chloride	84	3.493	3.494	(0.708)	15424	10.0000	10
13	trans-1,2-Dichloroethene	96	3.760	3.761	(0.762)	32708	10.0000	11
14	Methyl tert-Butyl Ether	73	3.771	3.773	(0.765)	72524	10.0000	10
15	1,1-Dichloroethane	63	4.155	4.156	(0.842)	56392	10.0000	10
16	cis-1,2-Dichloroethene	96	4.712	4.714	(0.955)	34491	10.0000	10
17	2-Butanone	43	4.735	4.725	(0.960)	14720	10.0000	11
* 18	Bromochloromethane	128	4.933	4.934	(1.000)	88215	50.0000	
20	Chloroform	83	5.014	5.016	(1.016)	53966	10.0000	10
21	1,1,1-Trichloroethane	97	5.200	5.202	(0.878)	40323	10.0000	10
22	Cyclohexane	56	5.269	5.260	(0.890)	41509	10.0000	9(a)
23	Carbon Tetrachloride	117	5.362	5.364	(0.906)	32969	10.0000	10

Data File: V5H9410.D
Report Date: 03-Aug-2007 10:25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	24 1,2-Dichloroethane-d4	65	5.490	5.492	(1.113)	27357	10.0000	11
	25 Benzene	78	5.560	5.550	(0.939)	118205	10.0000	11
	26 1,2-Dichloroethane	62	5.560	5.562	(1.127)	31911	10.0000	10
*	27 1,4-Difluorobenzene	114	5.920	5.922	(1.000)	445775	50.0000	
	28 Trichloroethene	130	6.198	6.189	(1.047)	29557	10.0000	10
	29 Methylcyclohexane	83	6.396	6.398	(1.080)	37505	10.0000	10
	30 1,2-Dichloropropane	63	6.407	6.409	(1.082)	35202	10.0000	11(T)
	31 Bromodichloromethane	83	6.686	6.688	(1.129)	36374	10.0000	10
	33 cis-1,3-Dichloropropene	75	7.162	7.153	(1.210)	39551	10.0000	9(a)
	34 4-Methyl-2-Pentanone	43	7.325	7.303	(0.813)	17295	10.0000	8(a)
$	35 Toluene-d8	98	7.441	7.431	(0.826)	94463	10.0000	11
	36 Toluene	91	7.511	7.501	(0.834)	115987	10.0000	11
	37 trans-1,3-Dichloropropene	75	7.743	7.733	(1.308)	32701	10.0000	9(a)
	38 1,1,2-Trichloroethane	97	7.929	7.931	(1.339)	26941	10.0000	11
	39 Tetrachloroethene	164	8.103	8.105	(0.899)	21872	10.0000	11
	40 2-Hexanone	43	8.370	8.209	(0.929)	11193	10.0000	8(Ta)
	41 Dibromochloromethane	129	8.370	8.360	(1.414)	28514	10.0000	10(T)
	42 1,2-Dibromoethane	107	8.498	8.488	(0.943)	28912	10.0000	10
*	43 Chlorobenzene-d5	117	9.009	9.011	(1.000)	341138	50.0000	
	44 Chlorobenzene	112	9.044	9.034	(1.004)	71764	10.0000	11
	45 Ethylbenzene	106	9.171	9.162	(1.018)	35459	10.0000	11
	46 m,p-Xylene	106	9.299	9.301	(1.032)	89953	20.0000	23
	47 o-Xylene	106	9.752	9.754	(1.082)	43362	10.0000	11
	48 Styrene	104	9.775	9.765	(1.085)	41587	10.0000	10
	49 Bromoform	173	9.984	9.974	(1.687)	18056	10.0000	10
	50 Isopropylbenzene	105	10.182	10.184	(1.130)	105607	10.0000	10
$	51 Bromofluorobenzene	95	10.379	10.358	(1.152)	29981	10.0000	10
	52 1,1,2,2-Tetrachloroethane	83	10.530	10.520	(1.169)	33277	10.0000	10
M	53 Xylene (Total)	106				133315	10.0000	34
	54 1,3-Dichlorobenzene	146	11.668	11.658	(1.295)	43138	10.0000	10
	55 1,4-Dichlorobenzene	146	11.773	11.763	(1.307)	51761	10.0000	10
	56 1,2-Dichlorobenzene	146	12.214	12.204	(1.356)	44726	10.0000	10
	57 1,2-Dibromo-3-chloropropane	75	13.178	13.156	(1.463)	2758	10.0000	8(a)
	58 1,2,4-Trichlorobenzene	180	14.200	14.178	(1.576)	18208	10.0000	8(a)

QC Flag Legend

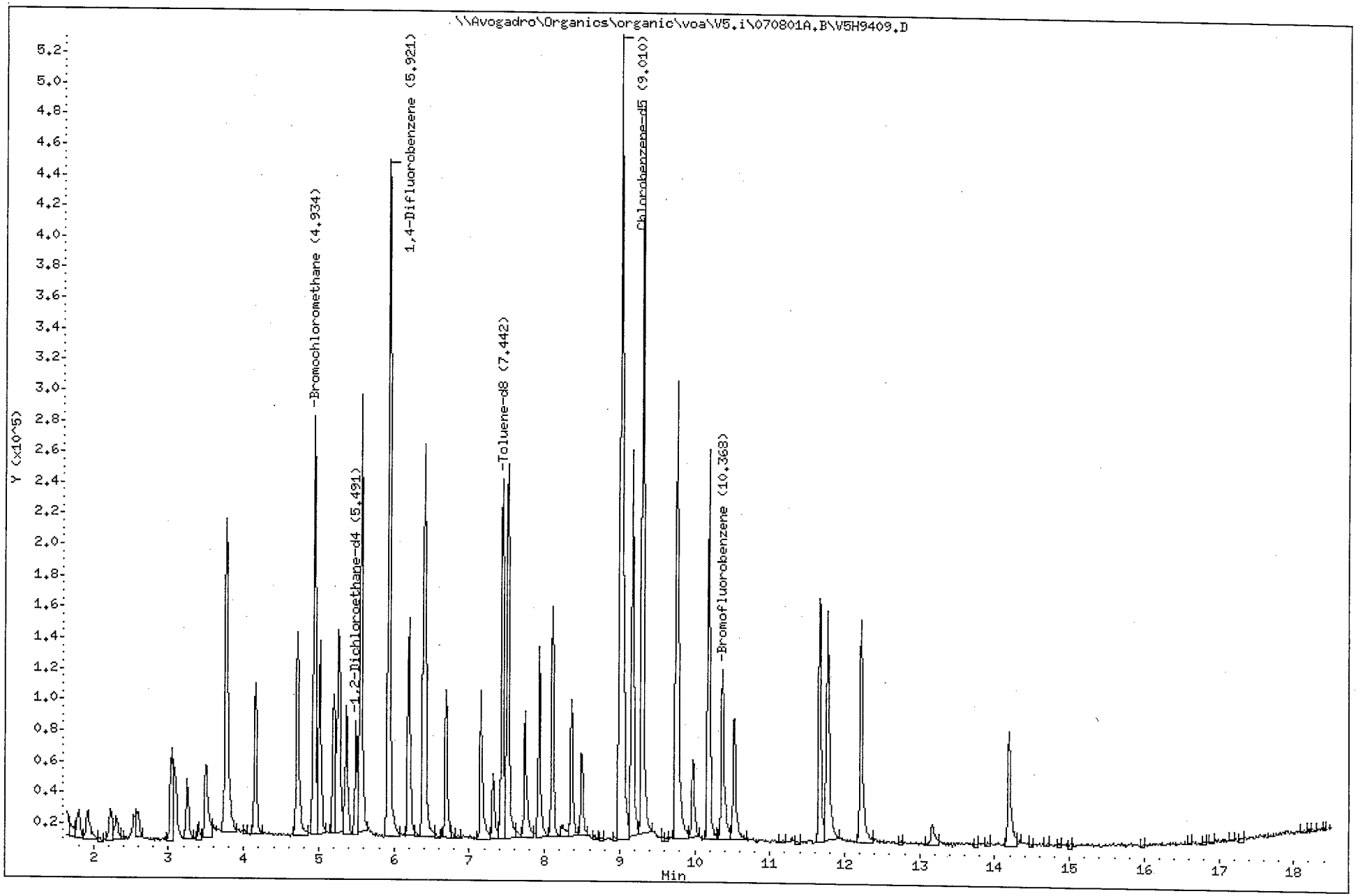
T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

8/3/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9409.D
Date : 01-AUG-2007 14:44
Client ID: VSTD0205X
Sample Info: 5ML,VSTD0205X,VSTD0205X
Purge Volume: 5.0
Column phase: DB-624

Instrument: V5.i

Operator: HZA SRC: HZA
Column diameter: 0.25



Data File: V5H9409.D
Report Date: 03-Aug-2007 10:25

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9409.D
Lab Smp Id: VSTD0205X Client Smp ID: VSTD0205X
Inj Date : 01-AUG-2007 14:44
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5ML,VSTD0205X,VSTD0205X
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\v5clp4.m
Meth Date : 03-Aug-2007 10:20 sbotvin Quant Type: ISTD
Cal Date : 01-AUG-2007 14:15 Cal File: V5H9408.D
Als bottle: 95 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Va	10.000	LCS Aliquot Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.635	1.648	(0.331)	18878	20.0000	22
2	Chloromethane	50	1.798	1.799	(0.364)	30354	20.0000	20
3	Vinyl Chloride	62	1.925	1.927	(0.390)	28621	20.0000	19
4	Bromomethane	94	2.227	2.229	(0.452)	20867	20.0000	23
5	Chloroethane	64	2.297	2.298	(0.466)	15875	20.0000	22
6	Trichlorofluoromethane	101	2.587	2.589	(0.525)	43980	20.0000	20
7	1,1-Dichloroethene	96	3.040	3.041	(0.616)	20283	20.0000	20
9	Acetone	43	3.087	3.076	(0.626)	14380	20.0000	18
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.075	3.076	(0.623)	24586	20.0000	21
10	Carbon Disulfide	76	3.249	3.251	(0.659)	71086	20.0000	20
11	Methyl Acetate	43	3.400	3.390	(0.689)	18600	20.0000	19
12	Methylene Chloride	84	3.493	3.494	(0.708)	32259	20.0000	20
13	trans-1,2-Dichloroethene	96	3.760	3.761	(0.762)	67106	20.0000	21
14	Methyl tert-Butyl Ether	73	3.772	3.773	(0.765)	149177	20.0000	20
15	1,1-Dichloroethane	63	4.155	4.156	(0.842)	116488	20.0000	20
16	cis-1,2-Dichloroethene	96	4.712	4.714	(0.955)	71004	20.0000	20
17	2-Butanone	43	4.736	4.725	(0.960)	29462	20.0000	20
* 18	Bromochloromethane	128	4.933	4.934	(1.000)	92478	50.0000	
20	Chloroform	83	5.014	5.016	(1.016)	110307	20.0000	20
21	1,1,1-Trichloroethane	97	5.200	5.202	(0.878)	80421	20.0000	20
22	Cyclohexane	56	5.258	5.260	(0.888)	94192	20.0000	21
23	Carbon Tetrachloride	117	5.363	5.364	(0.906)	68909	20.0000	20

Data File: V5H9409.D
Report Date: 03-Aug-2007 10:25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	24 1,2-Dichloroethane-d4	65	5.490	5.492	(1.113)	56229	20.0000	21
	25 Benzene	78	5.560	5.550	(0.939)	252882	20.0000	22
	26 1,2-Dichloroethane	62	5.560	5.562	(1.127)	64477	20.0000	20
*	27 1,4-Difluorobenzene	114	5.920	5.922	(1.000)	465285	50.0000	
	28 Trichloroethene	130	6.199	6.189	(1.047)	61333	20.0000	20
	29 Methylcyclohexane	83	6.396	6.398	(1.080)	84939	20.0000	22
	30 1,2-Dichloropropane	63	6.408	6.409	(1.082)	70706	20.0000	21
	31 Bromodichloromethane	83	6.687	6.688	(1.129)	75737	20.0000	20
	33 cis-1,3-Dichloropropene	75	7.151	7.153	(1.208)	87882	20.0000	20
	34 4-Methyl-2-Pentanone	43	7.314	7.303	(0.812)	48729	20.0000	20
$	35 Toluene-d8	98	7.441	7.431	(0.826)	195747	20.0000	21
	36 Toluene	91	7.511	7.501	(0.834)	240027	20.0000	21
	37 trans-1,3-Dichloropropene	75	7.743	7.733	(1.308)	69633	20.0000	19
	38 1,1,2-Trichloroethane	97	7.929	7.931	(1.339)	51863	20.0000	19
	39 Tetrachloroethene	164	8.103	8.105	(0.899)	42766	20.0000	20
	40 2-Hexanone	43	8.243	8.209	(0.915)	25404	20.0000	16(Q)
	41 Dibromochloromethane	129	8.359	8.360	(1.412)	58150	20.0000	19(T)
	42 1,2-Dibromoethane	107	8.498	8.488	(0.943)	57799	20.0000	19
*	43 Chlorobenzene-d5	117	9.009	9.011	(1.000)	374040	50.0000	
	44 Chlorobenzene	112	9.044	9.034	(1.004)	149054	20.0000	20
	45 Ethylbenzene	106	9.172	9.162	(1.018)	75394	20.0000	21
	46 m,p-Xylene	106	9.300	9.301	(1.032)	185643	40.0000	43
	47 o-Xylene	106	9.752	9.754	(1.082)	89684	20.0000	21
	48 Styrene	104	9.776	9.765	(1.085)	92994	20.0000	20
	49 Bromoform	173	9.973	9.974	(1.685)	36265	20.0000	19
	50 Isopropylbenzene	105	10.182	10.184	(1.130)	229747	20.0000	21
$	51 Bromofluorobenzene	95	10.368	10.358	(1.151)	68597	20.0000	20
	52 1,1,2,2-Tetrachloroethane	83	10.519	10.520	(1.168)	69840	20.0000	19
M	53 Xylene (Total)	106				275327	20.0000	64
	54 1,3-Dichlorobenzene	146	11.669	11.658	(1.295)	96329	20.0000	19
	55 1,4-Dichlorobenzene	146	11.773	11.763	(1.307)	113803	20.0000	21
	56 1,2-Dichlorobenzene	146	12.214	12.204	(1.356)	94423	20.0000	19
	57 1,2-Dibromo-3-chloropropane	75	13.167	13.156	(1.461)	6561	20.0000	18
	58 1,2,4-Trichlorobenzene	180	14.189	14.178	(1.575)	42564	20.0000	18

QC Flag Legend

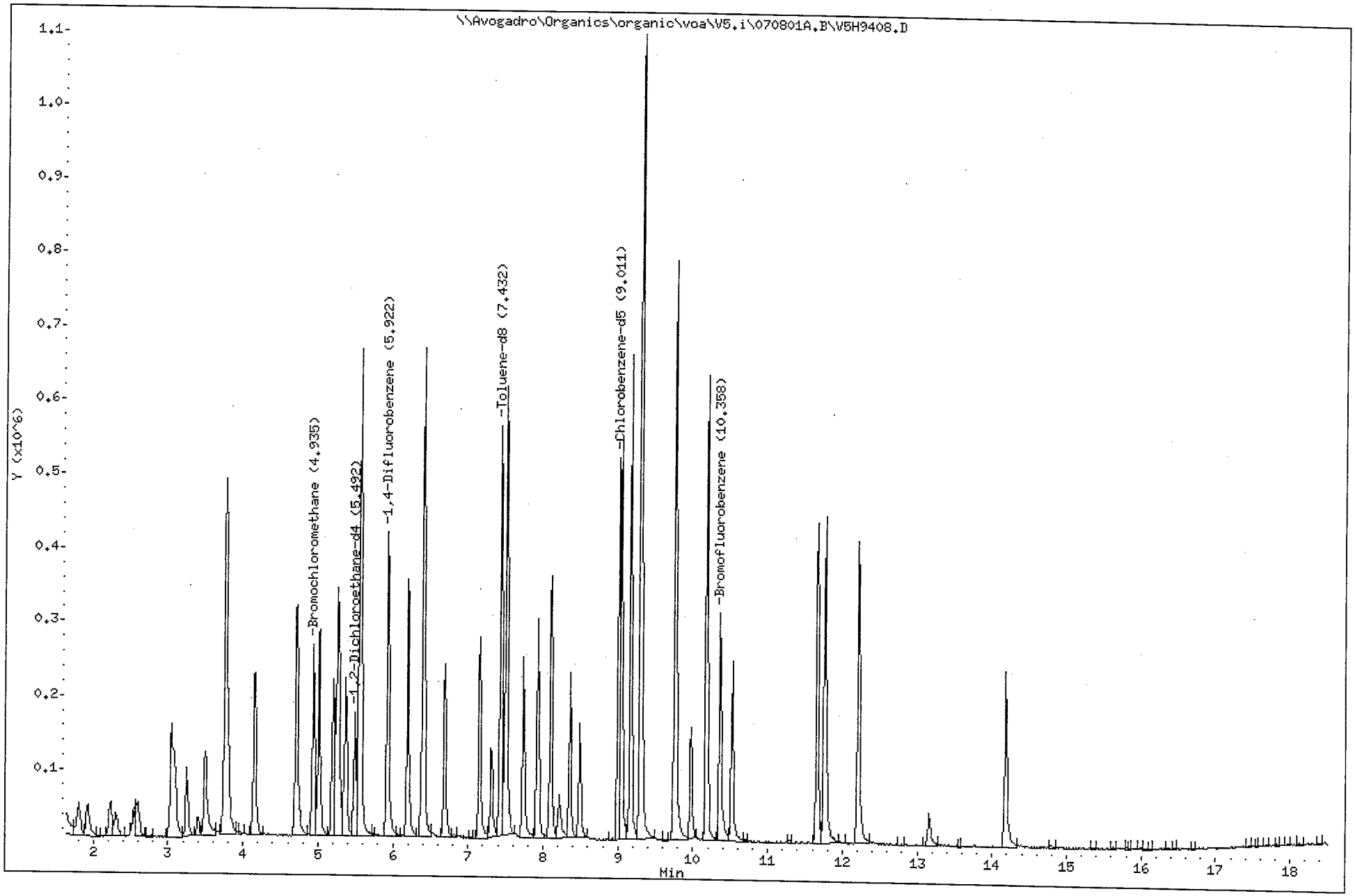
T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.

(33) 8/3/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9408.D
Date : 01-AUG-2007 14:15
Client ID: VSTD0505X
Sample Info: 5ML,VSTD0505X,VSTD0505X
Purge Volume: 5.0
Column phase: DB-624

Instrument: V5.i

Operator: HZA SRC: HZA
Column diameter: 0.25



Data File: V5H9408.D
Report Date: 03-Aug-2007 10:27

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9408.D
Lab Smp Id: VSTD0505X Client Smp ID: VSTD0505X
Inj Date : 01-AUG-2007 14:15
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5ML,VSTD0505X,VSTD0505X
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\v5clp4.m
Meth Date : 03-Aug-2007 10:20 sbotvin Quant Type: ISTD
Cal Date : 01-AUG-2007 14:15 Cal File: V5H9408.D
Als bottle: 94 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14
Processing Host: TARGET109

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Va	10.000	LCS Aliquot Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.648	1.648	(0.334)	47310	50.0000	58
2	Chloromethane	50	1.799	1.799	(0.365)	76632	50.0000	56
3	Vinyl Chloride	62	1.927	1.927	(0.391)	76849	50.0000	55
4	Bromomethane	94	2.229	2.229	(0.452)	48888	50.0000	58
5	Chloroethane	64	2.298	2.298	(0.466)	39772	50.0000	59
6	Trichlorofluoromethane	101	2.589	2.589	(0.525)	114306	50.0000	56
7	1,1-Dichloroethene	96	3.041	3.041	(0.616)	49686	50.0000	53
9	Acetone	43	3.076	3.076	(0.623)	38881	50.0000	54
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.076	3.076	(0.623)	60914	50.0000	56
10	Carbon Disulfide	76	3.251	3.251	(0.659)	174946	50.0000	53
11	Methyl Acetate	43	3.390	3.390	(0.687)	49521	50.0000	55
12	Methylene Chloride	84	3.494	3.494	(0.708)	79564	50.0000	55
13	trans-1,2-Dichloroethene	96	3.761	3.761	(0.762)	162019	50.0000	54
14	Methyl tert-Butyl Ether	73	3.773	3.773	(0.765)	370808	50.0000	53
15	1,1-Dichloroethane	63	4.156	4.156	(0.842)	283199	50.0000	53
16	cis-1,2-Dichloroethene	96	4.714	4.714	(0.955)	170674	50.0000	53
17	2-Butanone	43	4.725	4.725	(0.958)	69508	50.0000	52
* 18	Bromochloromethane	128	4.934	4.934	(1.000)	85585	50.0000	
20	Chloroform	83	5.016	5.016	(1.016)	266781	50.0000	53
21	1,1,1-Trichloroethane	97	5.202	5.202	(0.878)	198045	50.0000	53
22	Cyclohexane	56	5.260	5.260	(0.888)	238330	50.0000	56

Data File: V5H9408.D
Report Date: 03-Aug-2007 10:27

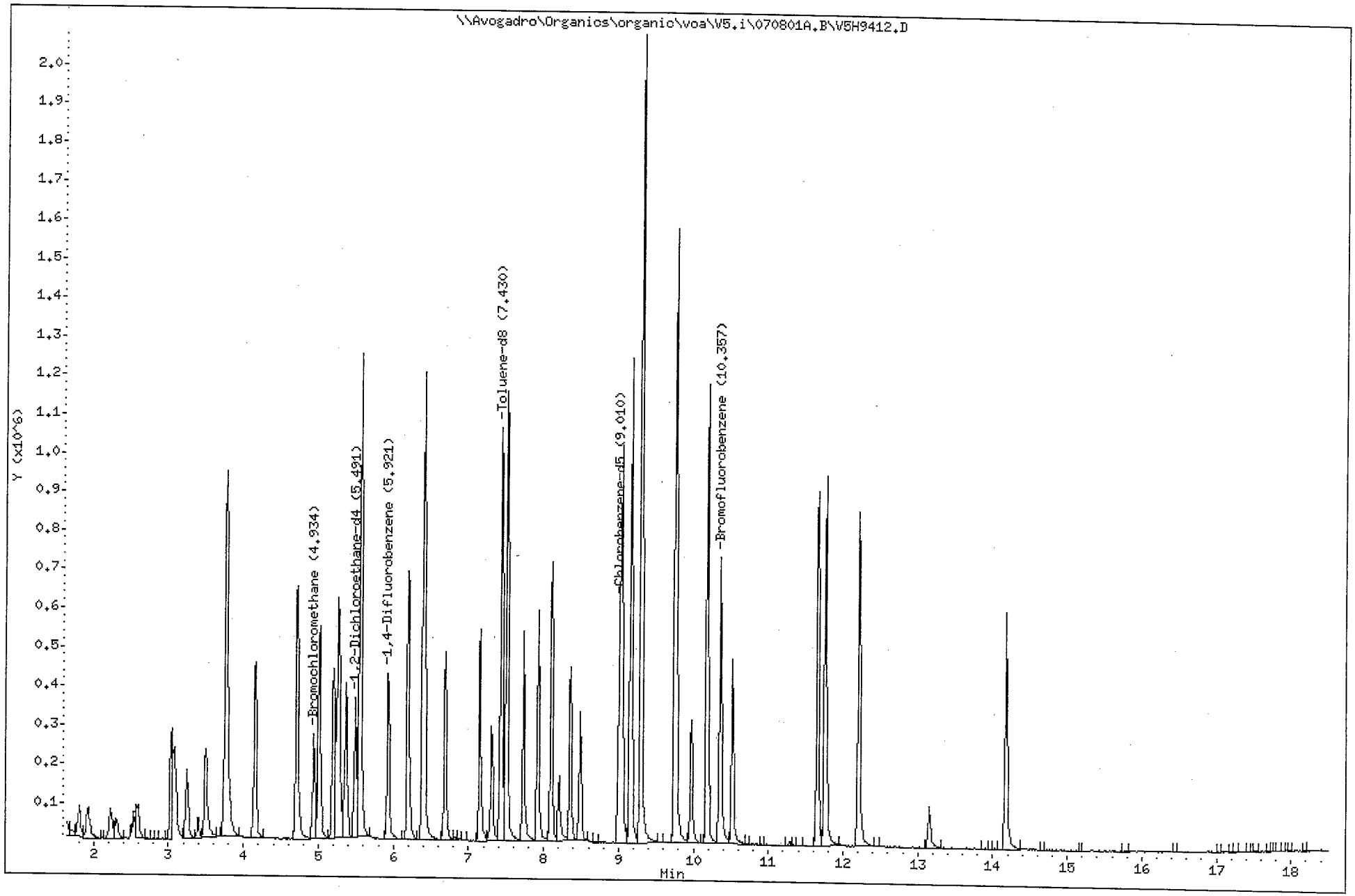
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23 Carbon Tetrachloride	117	5.364	5.364	(0.906)	172258	50.0000	54
$	24 1,2-Dichloroethane-d4	65	5.492	5.492	(1.113)	121014	50.0000	49
	25 Benzene	78	5.550	5.550	(0.937)	584714	50.0000	54
	26 1,2-Dichloroethane	62	5.562	5.562	(1.127)	157598	50.0000	52
*	27 1,4-Difluorobenzene	114	5.922	5.922	(1.000)	428793	50.0000	
	28 Trichloroethene	130	6.189	6.189	(1.045)	147746	50.0000	53
	29 Methylcyclohexane	83	6.398	6.398	(1.080)	205765	50.0000	57
	30 1,2-Dichloropropane	63	6.409	6.409	(1.082)	169110	50.0000	54
	31 Bromodichloromethane	83	6.688	6.688	(1.129)	180861	50.0000	52
	33 cis-1,3-Dichloropropene	75	7.153	7.153	(1.208)	217741	50.0000	54
	34 4-Methyl-2-Pentanone	43	7.303	7.303	(0.811)	123484	50.0000	55
$	35 Toluene-d8	98	7.431	7.431	(0.825)	455041	50.0000	52
	36 Toluene	91	7.501	7.501	(0.832)	575491	50.0000	54
	37 trans-1,3-Dichloropropene	75	7.733	7.733	(1.306)	185021	50.0000	55
	38 1,1,2-Trichloroethane	97	7.931	7.931	(1.339)	133605	50.0000	54
	39 Tetrachloroethene	164	8.105	8.105	(0.899)	103492	50.0000	52
	40 2-Hexanone	43	8.209	8.209	(0.911)	77240	50.0000	54
	41 Dibromochloromethane	129	8.360	8.360	(1.412)	151320	50.0000	54
	42 1,2-Dibromoethane	107	8.488	8.488	(0.942)	148798	50.0000	53
*	43 Chlorobenzene-d5	117	9.011	9.011	(1.000)	347031	50.0000	
	44 Chlorobenzene	112	9.034	9.034	(1.003)	362467	50.0000	54
	45 Ethylbenzene	106	9.162	9.162	(1.017)	182303	50.0000	54
	46 m,p-Xylene	106	9.301	9.301	(1.032)	437258	100.000	110
	47 o-Xylene	106	9.754	9.754	(1.082)	215602	50.0000	54
	48 Styrene	104	9.765	9.765	(1.084)	233875	50.0000	55
	49 Bromoform	173	9.974	9.974	(1.684)	95467	50.0000	54
	50 Isopropylbenzene	105	10.184	10.184	(1.130)	551937	50.0000	54
$	51 Bromofluorobenzene	95	10.358	10.358	(1.149)	155872	50.0000	49
	52 1,1,2,2-Tetrachloroethane	83	10.520	10.520	(1.168)	185164	50.0000	56
M	53 Xylene (Total)	106				652860	50.0000	160
	54 1,3-Dichlorobenzene	146	11.658	11.658	(1.294)	245555	50.0000	54
	55 1,4-Dichlorobenzene	146	11.763	11.763	(1.305)	269252	50.0000	52
	56 1,2-Dichlorobenzene	146	12.204	12.204	(1.354)	238136	50.0000	53
	57 1,2-Dibromo-3-chloropropane	75	13.156	13.156	(1.460)	18584	50.0000	54
	58 1,2,4-Trichlorobenzene	180	14.178	14.178	(1.573)	108693	50.0000	49

SB
8/3/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9412.D
Date : 01-AUG-2007 16:10
Client ID: VSTD1005X
Sample Info: 5ML,VSTD1005X,VSTD1005X
Purge Volume: 5.0
Column phase: DB-624

Instrument: V5.i

Operator: HZA SRC: HZA
Column diameter: 0.25



6980

Data File: V5H9412.D
Report Date: 03-Aug-2007 10:25

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9412.D
Lab Smp Id: VSTD1005X Client Smp ID: VSTD1005X
Inj Date : 01-AUG-2007 16:10
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5ML,VSTD1005X,VSTD1005X
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\v5clp4.m
Meth Date : 03-Aug-2007 10:20 sbotvin Quant Type: ISTD
Cal Date : 01-AUG-2007 14:15 Cal File: V5H9408.D
Als bottle: 98 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Va	10.000	LCS Aliquot Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.647	1.648	(0.334)	85545	100.000	100
2	Chloromethane	50	1.809	1.799	(0.367)	146626	100.000	100
3	Vinyl Chloride	62	1.925	1.927	(0.390)	149082	100.000	100
4	Bromomethane	94	2.227	2.229	(0.452)	76391	100.000	86
5	Chloroethane	64	2.297	2.298	(0.466)	62454	100.000	88
6	Trichlorofluoromethane	101	2.587	2.589	(0.525)	209247	100.000	98
7	1,1-Dichloroethene	96	3.029	3.041	(0.614)	97453	100.000	100
9	Acetone	43	3.075	3.076	(0.623)	69485	100.000	92
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.075	3.076	(0.623)	113404	100.000	99
10	Carbon Disulfide	76	3.249	3.251	(0.659)	336789	100.000	98
11	Methyl Acetate	43	3.389	3.390	(0.687)	93782	100.000	99
12	Methylene Chloride	84	3.493	3.494	(0.708)	150225	100.000	98
13	trans-1,2-Dichloroethene	96	3.760	3.761	(0.762)	304939	100.000	96
14	Methyl tert-Butyl Ether	73	3.772	3.773	(0.765)	748074	100.000	100
15	1,1-Dichloroethane	63	4.155	4.156	(0.842)	562258	100.000	99
16	cis-1,2-Dichloroethene	96	4.712	4.714	(0.955)	333364	100.000	98
17	2-Butanone	43	4.724	4.725	(0.958)	139797	100.000	99
* 18	Bromochloromethane	128	4.933	4.934	(1.000)	89903	50.0000	
20	Chloroform	83	5.014	5.016	(1.016)	521496	100.000	98
21	1,1,1-Trichloroethane	97	5.200	5.202	(0.878)	393955	100.000	100
22	Cyclohexane	56	5.258	5.260	(0.888)	444752	100.000	100
23	Carbon Tetrachloride	117	5.363	5.364	(0.906)	332661	100.000	100

Data File: V5H9412.D
Report Date: 03-Aug-2007 10:25

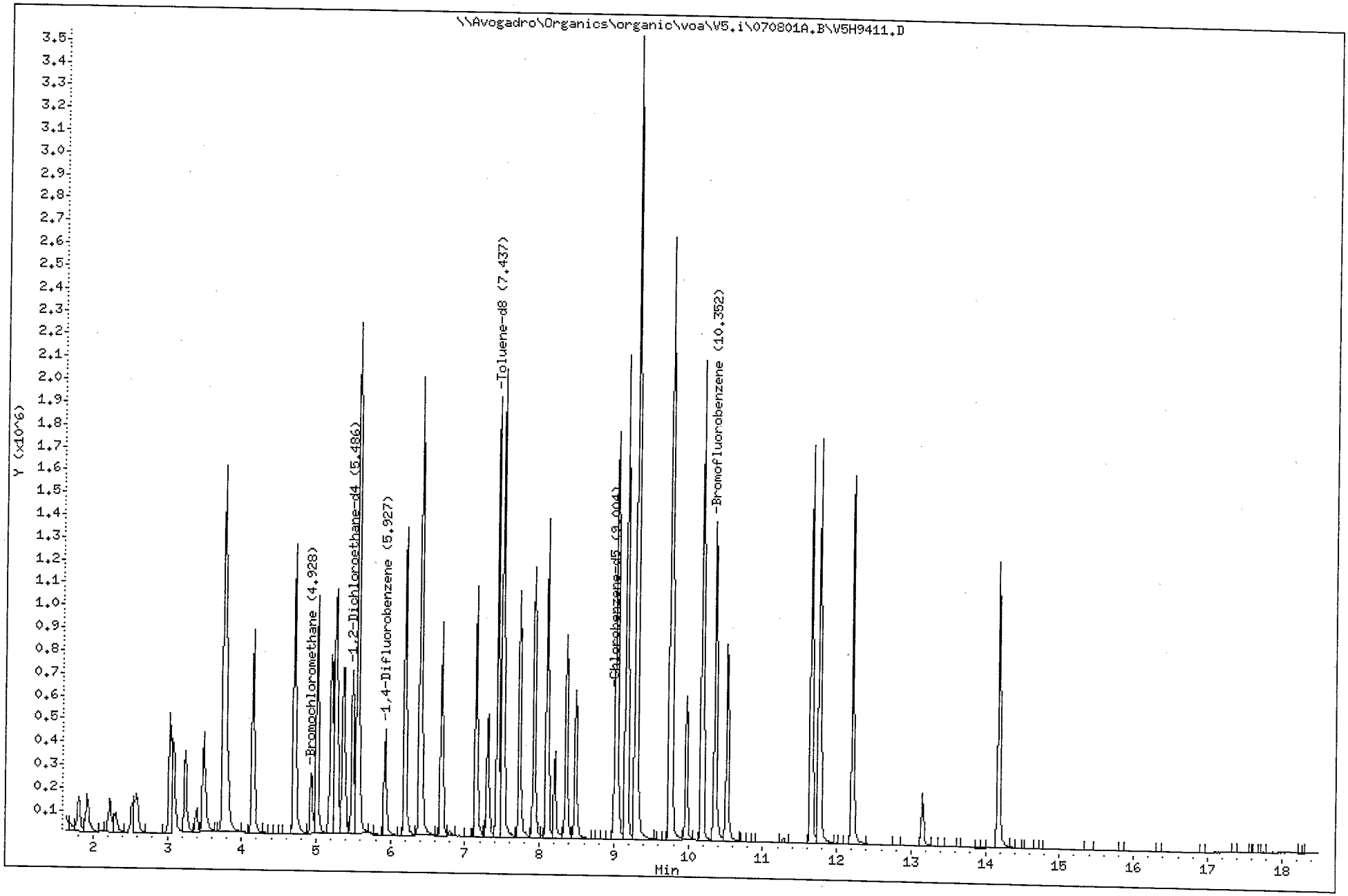
		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	24	1,2-Dichloroethane-d4	65	5.490	5.492	(1.113)	251583	100.000	96
	25	Benzene	78	5.549	5.550	(0.937)	1092943	100.000	98
	26	1,2-Dichloroethane	62	5.560	5.562	(1.127)	317225	100.000	100
*	27	1,4-Difluorobenzene	114	5.920	5.922	(1.000)	446278	50.0000	
	28	Trichloroethene	130	6.187	6.189	(1.045)	286391	100.000	99
	29	Methylcyclohexane	83	6.396	6.398	(1.080)	363146	100.000	97
	30	1,2-Dichloropropane	63	6.408	6.409	(1.082)	317120	100.000	98
	31	Bromodichloromethane	83	6.687	6.688	(1.129)	369802	100.000	100
	33	cis-1,3-Dichloropropene	75	7.151	7.153	(1.208)	434625	100.000	100
	34	4-Methyl-2-Pentanone	43	7.302	7.303	(0.811)	255219	100.000	110
$	35	Toluene-d8	98	7.430	7.431	(0.825)	887975	100.000	95
	36	Toluene	91	7.500	7.501	(0.832)	1078591	100.000	95
	37	trans-1,3-Dichloropropene	75	7.732	7.733	(1.306)	367266	100.000	100
	38	1,1,2-Trichloroethane	97	7.929	7.931	(1.339)	252973	100.000	99
	39	Tetrachloroethene	164	8.103	8.105	(0.899)	204462	100.000	96
	40	2-Hexanone	43	8.208	8.209	(0.911)	176791	100.000	120
	41	Dibromochloromethane	129	8.359	8.360	(1.412)	302031	100.000	100
	42	1,2-Dibromoethane	107	8.487	8.488	(0.942)	296522	100.000	99
*	43	Chlorobenzene-d5	117	9.009	9.011	(1.000)	368490	50.0000	
	44	Chlorobenzene	112	9.032	9.034	(1.003)	689542	100.000	96
	45	Ethylbenzene	106	9.160	9.162	(1.017)	352215	100.000	97
	46	m,p-Xylene	106	9.300	9.301	(1.032)	789606	200.000	190
	47	o-Xylene	106	9.752	9.754	(1.082)	406700	100.000	96
	48	Styrene	104	9.764	9.765	(1.084)	458519	100.000	100
	49	Bromoform	173	9.973	9.974	(1.685)	193713	100.000	100
	50	Isopropylbenzene	105	10.182	10.184	(1.130)	1047115	100.000	96
$	51	Bromofluorobenzene	95	10.356	10.358	(1.150)	360429	100.000	110
	52	1,1,2,2-Tetrachloroethane	83	10.519	10.520	(1.168)	346984	100.000	98
M	53	Xylene (Total)	106				1196306	100.000	280
	54	1,3-Dichlorobenzene	146	11.657	11.658	(1.294)	498485	100.000	100
	55	1,4-Dichlorobenzene	146	11.762	11.763	(1.305)	533952	100.000	98
	56	1,2-Dichlorobenzene	146	12.203	12.204	(1.354)	478192	100.000	100
	57	1,2-Dibromo-3-chloropropane	75	13.155	13.156	(1.460)	42390	100.000	120
	58	1,2,4-Trichlorobenzene	180	14.177	14.178	(1.574)	262637	100.000	110

SB 8/3/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9411.D
Date : 01-AUG-2007 15:41
Client ID: VSTD2005X
Sample Info: 5ML,VSTD2005X,VSTD2005X
Purge Volume: 5.0
Column phase: DB-624

Instrument: V5.i

Operator: HZA SRC: HZA
Column diameter: 0.25



Data File: V5H9411.D
Report Date: 03-Aug-2007 10:25

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9411.D
Lab Smp Id: VSTD2005X Client Smp ID: VSTD2005X
Inj Date : 01-AUG-2007 15:41
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5ML,VSTD2005X,VSTD2005X
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\v5clp4.m
Meth Date : 03-Aug-2007 10:20 sbotvin Quant Type: ISTD
Cal Date : 01-AUG-2007 14:15 Cal File: V5H9408.D
Als bottle: 97 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Va	10.000	LCS Aliquot Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.641	1.648	(0.333)	156241	200.000	180
2	Chloromethane	50	1.804	1.799	(0.366)	256375	200.000	180
3	Vinyl Chloride	62	1.920	1.927	(0.390)	270339	200.000	190
4	Bromomethane	94	2.222	2.229	(0.451)	140942	200.000	160
5	Chloroethane	64	2.303	2.298	(0.467)	107310	200.000	150
6	Trichlorofluoromethane	101	2.582	2.589	(0.524)	398208	200.000	190(Q)
7	1,1-Dichloroethene	96	3.035	3.041	(0.616)	177785	200.000	180
9	Acetone	43	3.070	3.076	(0.623)	135712	200.000	180
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.081	3.076	(0.625)	198267	200.000	170
10	Carbon Disulfide	76	3.244	3.251	(0.658)	637434	200.000	180
11	Methyl Acetate	43	3.395	3.390	(0.689)	175387	200.000	180
12	Methylene Chloride	84	3.488	3.494	(0.708)	269965	200.000	180
13	trans-1,2-Dichloroethene	96	3.755	3.761	(0.762)	552886	200.000	170
14	Methyl tert-Butyl Ether	73	3.778	3.773	(0.767)	1401290	200.000	190
15	1,1-Dichloroethane	63	4.150	4.156	(0.842)	1061223	200.000	190
16	cis-1,2-Dichloroethene	96	4.707	4.714	(0.955)	614608	200.000	180
17	2-Butanone	43	4.719	4.725	(0.958)	259180	200.000	180
* 18	Bromochloromethane	128	4.928	4.934	(1.000)	90112	50.0000	
20	Chloroform	83	5.009	5.016	(1.016)	978689	200.000	180
21	1,1,1-Trichloroethane	97	5.195	5.202	(0.877)	747097	200.000	180
22	Cyclohexane	56	5.265	5.260	(0.888)	804183	200.000	180
23	Carbon Tetrachloride	117	5.369	5.364	(0.906)	653448	200.000	190

Data File: V5H9411.D
Report Date: 03-Aug-2007 10:25

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	24 1,2-Dichloroethane-d4	65	5.485	5.492	(1.113)	499974	200.000	190
	25 Benzene	78	5.555	5.550	(0.937)	1856754	200.000	160
	26 1,2-Dichloroethane	62	5.555	5.562	(1.127)	601043	200.000	190
*	27 1,4-Difluorobenzene	114	5.926	5.922	(1.000)	462499	50.0000	
	28 Trichloroethene	130	6.194	6.189	(1.045)	533293	200.000	180
	29 Methylcyclohexane	83	6.391	6.398	(1.078)	605589	200.000	160
	30 1,2-Dichloropropane	63	6.403	6.409	(1.080)	531204	200.000	160
	31 Bromodichloromethane	83	6.681	6.688	(1.127)	707474	200.000	190
	33 cis-1,3-Dichloropropene	75	7.146	7.153	(1.206)	811021	200.000	190
	34 4-Methyl-2-Pentanone	43	7.308	7.303	(0.812)	483863	200.000	210(A)
$	35 Toluene-d8	98	7.436	7.431	(0.826)	1590919	200.000	170
	36 Toluene	91	7.506	7.501	(0.834)	1847193	200.000	170
	37 trans-1,3-Dichloropropene	75	7.727	7.733	(1.304)	699712	200.000	190
	38 1,1,2-Trichloroethane	97	7.924	7.931	(1.337)	473130	200.000	180
	39 Tetrachloroethene	164	8.098	8.105	(0.899)	382338	200.000	180
	40 2-Hexanone	43	8.203	8.209	(0.911)	349641	200.000	230(A)
	41 Dibromochloromethane	129	8.354	8.360	(1.410)	569825	200.000	190
	42 1,2-Dibromoethane	107	8.481	8.488	(0.942)	558334	200.000	190
*	43 Chlorobenzene-d5	117	9.004	9.011	(1.000)	361085	50.0000	
	44 Chlorobenzene	112	9.039	9.034	(1.004)	1202934	200.000	170
	45 Ethylbenzene	106	9.167	9.162	(1.018)	617599	200.000	170
	46 m,p-Xylene	106	9.294	9.301	(1.032)	1289776	400.000	310
	47 o-Xylene	106	9.747	9.754	(1.083)	682607	200.000	160
	48 Styrene	104	9.770	9.765	(1.085)	779493	200.000	180
	49 Bromoform	173	9.968	9.974	(1.682)	372322	200.000	190
	50 Isopropylbenzene	105	10.177	10.184	(1.130)	1880436	200.000	180
$	51 Bromofluorobenzene	95	10.351	10.358	(1.150)	663993	200.000	200
	52 1,1,2,2-Tetrachloroethane	83	10.514	10.520	(1.168)	639734	200.000	180
M	53 Xylene (Total)	106				1972383	200.000	470
	54 1,3-Dichlorobenzene	146	11.652	11.658	(1.294)	932868	200.000	200
	55 1,4-Dichlorobenzene	146	11.756	11.763	(1.306)	977280	200.000	180
	56 1,2-Dichlorobenzene	146	12.209	12.204	(1.356)	901127	200.000	190
	57 1,2-Dibromo-3-chloropropane	75	13.150	13.156	(1.460)	77482	200.000	220(A)
	58 1,2,4-Trichlorobenzene	180	14.172	14.178	(1.574)	523041	200.000	230(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

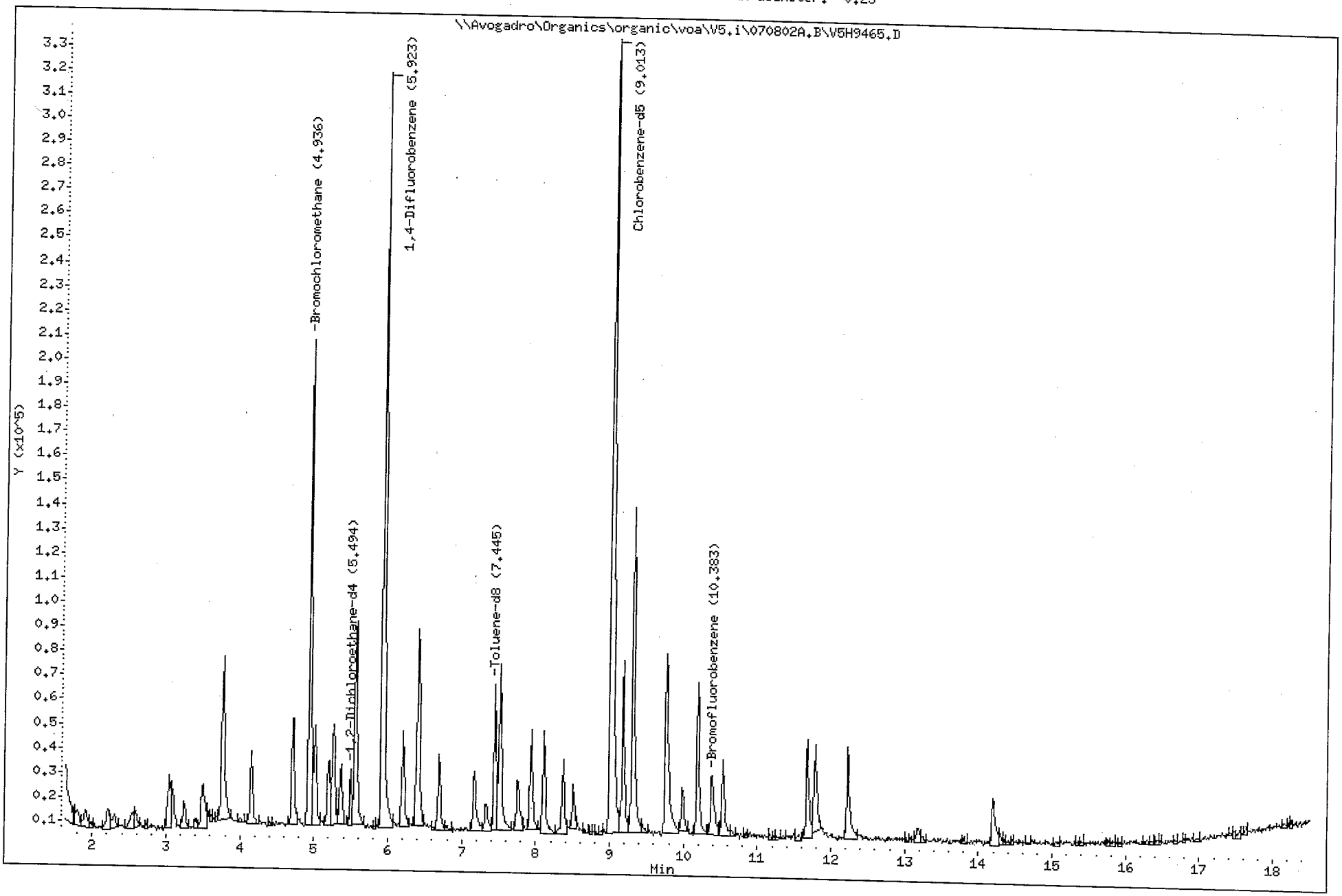
SB 8/3/07

0065

Data File: \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9465.D
Date : 03-AUG-2007 00:33
Client ID: VSTD0105Z
Sample Info: 5G,VSTD0105Z,VSTD0105Z

Instrument: V5.i

Operator: HZA SRC: HZA
Column phase: DB-624
Column diameter: 0.25



Data File: V5H9465.D
Report Date: 06-Aug-2007 09:15

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9465.D
Lab Smp Id: VSTD0105Z Client Smp ID: VSTD0105Z
Inj Date : 03-AUG-2007 00:33
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5G,VSTD0105Z,VSTD0105Z
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\v5clp4h.m
Meth Date : 06-Aug-2007 09:11 sbotvin Quant Type: ISTD
Cal Date : 02-AUG-2007 23:32 Cal File: V5H9463.D
Als bottle: 100 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.638	1.647	(0.332)	5355	10.0000	9(a)
2	Chloromethane	50	1.789	1.798	(0.362)	8174	10.0000	9(a)
3	Vinyl Chloride	62	1.916	1.926	(0.388)	9230	10.0000	11
4	Bromomethane	94	2.207	2.216	(0.447)	6299	10.0000	11
5	Chloroethane	64	2.300	2.297	(0.466)	5353	10.0000	11
6	Trichlorofluoromethane	101	2.532	2.588	(0.513)	16306	10.0000	10
7	1,1-Dichloroethene	96	3.031	3.029	(0.614)	7279	10.0000	11
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.066	3.075	(0.621)	8953	10.0000	10
9	Acetone	43	3.089	3.075	(0.626)	7437	10.0000	11
10	Carbon Disulfide	76	3.240	3.249	(0.657)	22224	10.0000	10
11	Methyl Acetate	43	3.403	3.389	(0.689)	7321	10.0000	9(a)
12	Methylene Chloride	84	3.484	3.493	(0.706)	10840	10.0000	9(a)
13	trans-1,2-Dichloroethene	96	3.763	3.760	(0.762)	21764	10.0000	10
14	Methyl tert-Butyl Ether	73	3.775	3.772	(0.765)	55173	10.0000	10
15	1,1-Dichloroethane	63	4.158	4.155	(0.842)	36252	10.0000	9(a)
17	cis-1,2-Dichloroethene	96	4.715	4.701	(0.955)	26453	10.0000	10
16	2-Butanone	43	4.738	4.724	(0.960)	8476	10.0000	8(a)
* 18	Bromochloromethane	128	4.936	4.933	(1.000)	71425	50.0000	
19	Chloroform	83	5.017	5.015	(1.016)	36691	10.0000	10
20	1,1,1-Trichloroethane	97	5.203	5.200	(0.878)	24504	10.0000	9(a)
21	Cyclohexane	56	5.261	5.259	(0.888)	26534	10.0000	9(a)

Data File: V5H9465.D
Report Date: 06-Aug-2007 09:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	22 Carbon Tetrachloride	117	5.366	5.363	(0.906)	19981	10.0000	9 (a)
$	23 1,2-Dichloroethane-d4	65	5.493	5.491	(1.113)	18457	10.0000	10
	25 Benzene	78	5.551	5.549	(0.937)	78824	10.0000	10
	24 1,2-Dichloroethane	62	5.563	5.561	(1.127)	22858	10.0000	10
*	26 1,4-Difluorobenzene	114	5.923	5.921	(1.000)	314202	50.0000	
	27 Trichloroethene	130	6.202	6.199	(1.047)	19125	10.0000	9 (a)
	28 Methylcyclohexane	83	6.399	6.397	(1.080)	26406	10.0000	9 (a)
	29 1,2-Dichloropropane	63	6.411	6.408	(1.082)	24134	10.0000	10
	30 Bromodichloromethane	83	6.689	6.687	(1.129)	25722	10.0000	9 (a)
	31 cis-1,3-Dichloropropene	75	7.166	7.151	(1.210)	27163	10.0000	9 (a)
	32 4-Methyl-2-Pentanone	43	7.328	7.302	(0.813)	16814	10.0000	8 (a)
$	33 Toluene-d8	98	7.444	7.430	(0.826)	53297	10.0000	9 (a)
	34 Toluene	91	7.514	7.500	(0.834)	73984	10.0000	10
	35 trans-1,3-Dichloropropene	75	7.758	7.732	(1.310)	22256	10.0000	9 (a)
	36 1,1,2-Trichloroethane	97	7.932	7.930	(1.339)	19991	10.0000	10
	37 Tetrachloroethene	164	8.106	8.104	(0.899)	13236	10.0000	9 (a)
	38 2-Hexanone	43	8.350	8.220	(0.927)	5333	10.0000	5 (a)
	39 Dibromochloromethane	129	8.362	8.359	(1.412)	21882	10.0000	9 (Ta)
	40 1,2-Dibromoethane	107	8.501	8.487	(0.943)	21788	10.0000	9 (a)
*	42 Chlorobenzene-d5	117	9.012	9.010	(1.000)	269233	50.0000	
	43 Chlorobenzene	112	9.035	9.033	(1.003)	51367	10.0000	10
	44 Ethylbenzene	106	9.175	9.161	(1.018)	21545	10.0000	9 (a)
	45 m,p-Xylene	106	9.302	9.300	(1.032)	57221	20.0000	20
	46 o-Xylene	106	9.755	9.753	(1.082)	26410	10.0000	9 (a)
	47 Styrene	104	9.790	9.764	(1.086)	28821	10.0000	9 (a)
	48 Bromoform	173	9.976	9.973	(1.684)	14643	10.0000	9 (a)
	49 Isopropylbenzene	105	10.185	10.182	(1.130)	63371	10.0000	9 (a)
$	50 Bromofluorobenzene	95	10.382	10.357	(1.152)	18906	10.0000	8 (a)
	51 1,1,2,2-Tetrachloroethane	83	10.522	10.519	(1.168)	29454	10.0000	10
M	41 Xylene (Total)	106				83631	10.0000	29
	52 1,3-Dichlorobenzene	146	11.671	11.657	(1.295)	28793	10.0000	8 (a)
	53 1,4-Dichlorobenzene	146	11.776	11.762	(1.307)	33812	10.0000	9 (a)
	54 1,2-Dichlorobenzene	146	12.217	12.215	(1.356)	32225	10.0000	9 (a)
	55 1,2-Dibromo-3-chloropropane	75	13.170	13.155	(1.461)	3091	10.0000	8 (a)
	56 1,2,4-Trichlorobenzene	180	14.203	14.177	(1.576)	14480	10.0000	8 (a)

QC Flag Legend

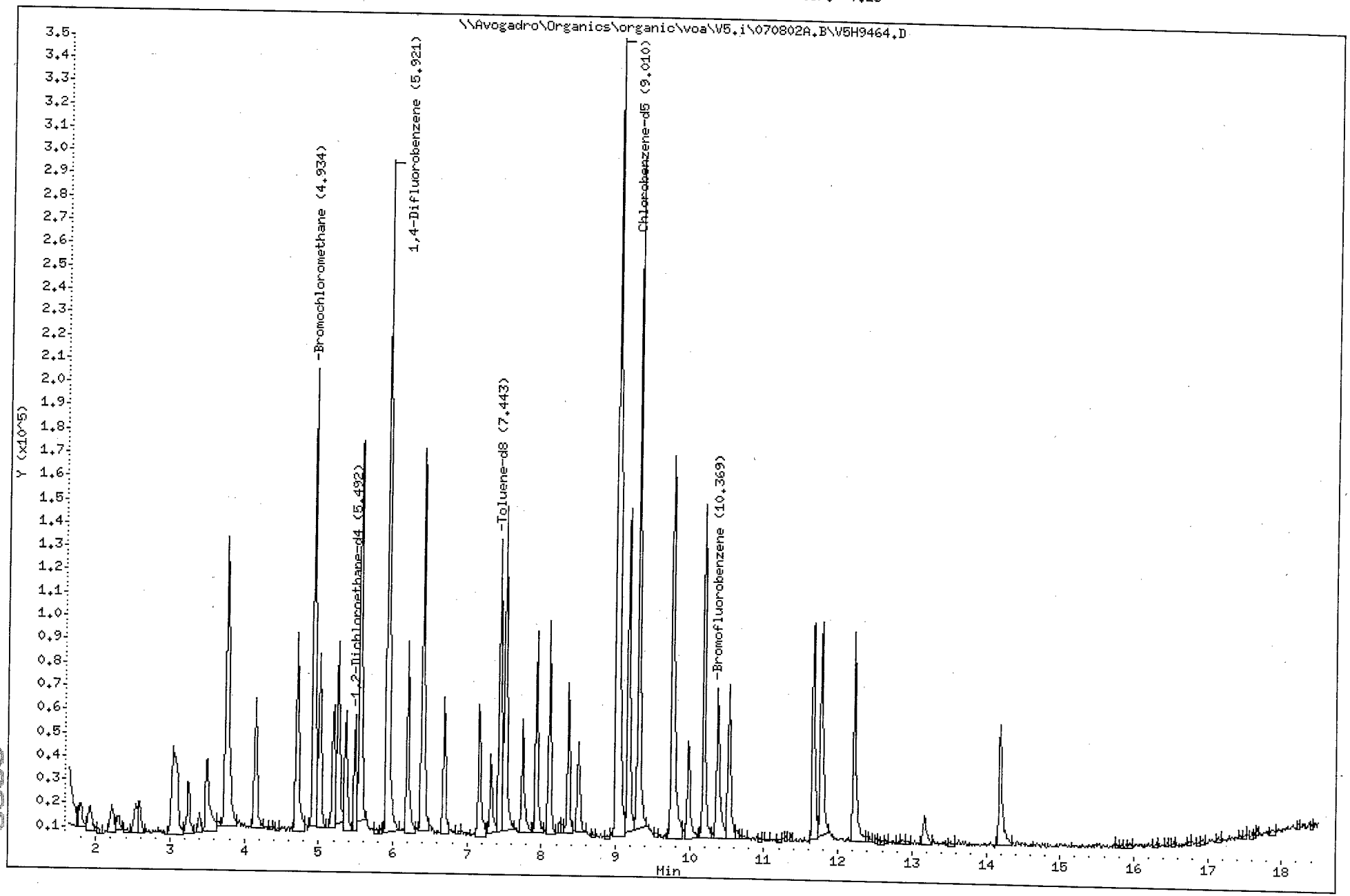
T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SB 8/6/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9464.D
Date : 03-AUG-2007 00:03
Client ID: VSTD0205Z
Sample Info: 5G,VSTD0205Z,VSTD0205Z

Instrument: V5.i

Operator: HZA SRC: HZA
Column phase: DB-624
Column diameter: 0.25



6999

Data File: V5H9464.D
Report Date: 06-Aug-2007 09:17

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9464.D
Lab Smp Id: VSTD0205Z Client Smp ID: VSTD0205Z
Inj Date : 03-AUG-2007 00:03
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5G,VSTD0205Z,VSTD0205Z
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\v5clp4h.m
Meth Date : 06-Aug-2007 09:17 sbotvin Quant Type: ISTD
Cal Date : 02-AUG-2007 23:32 Cal File: V5H9463.D
Als bottle: 100 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.624	1.647	(0.329)	12159	20.0000	20
2	Chloromethane	50	1.787	1.798	(0.362)	15791	20.0000	18
3	Vinyl Chloride	62	1.914	1.926	(0.388)	15616	20.0000	18
4	Bromomethane	94	2.216	2.216	(0.449)	10515	20.0000	18
5	Chloroethane	64	2.298	2.297	(0.466)	9419	20.0000	21
6	Trichlorofluoromethane	101	2.530	2.588	(0.513)	29447	20.0000	19
7	1,1-Dichloroethene	96	3.029	3.029	(0.614)	12583	20.0000	19
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.064	3.075	(0.621)	16502	20.0000	18
9	Acetone	43	3.064	3.075	(0.621)	13750	20.0000	21
10	Carbon Disulfide	76	3.250	3.249	(0.659)	43663	20.0000	19
11	Methyl Acetate	43	3.401	3.389	(0.689)	15565	20.0000	20
12	Methylene Chloride	84	3.494	3.493	(0.708)	22529	20.0000	20
13	trans-1,2-Dichloroethene	96	3.761	3.760	(0.762)	40493	20.0000	19
14	Methyl tert-Butyl Ether	73	3.772	3.772	(0.765)	104279	20.0000	18
15	1,1-Dichloroethane	63	4.144	4.155	(0.840)	69929	20.0000	19
17	cis-1,2-Dichloroethene	96	4.713	4.701	(0.955)	49157	20.0000	20
16	2-Butanone	43	4.725	4.724	(0.958)	21695	20.0000	20
* 18	Bromochloromethane	128	4.934	4.933	(1.000)	69953	50.0000	
19	Chloroform	83	5.015	5.015	(1.016)	72859	20.0000	20
20	1,1,1-Trichloroethane	97	5.201	5.200	(0.878)	47549	20.0000	19
21	Cyclohexane	56	5.259	5.259	(0.888)	50523	20.0000	18

Data File: V5H9464.D
Report Date: 06-Aug-2007 09:17

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	22 Carbon Tetrachloride	117	5.363	5.363	(0.906)	39150	20.0000	18
$	23 1,2-Dichloroethane-d4	65	5.491	5.491	(1.113)	33871	20.0000	18
	25 Benzene	78	5.549	5.549	(0.937)	154509	20.0000	20
	24 1,2-Dichloroethane	62	5.561	5.561	(1.127)	42295	20.0000	18
*	26 1,4-Difluorobenzene	114	5.921	5.921	(1.000)	298506	50.0000	
	27 Trichloroethene	130	6.200	6.199	(1.047)	36110	20.0000	19
	28 Methylcyclohexane	83	6.397	6.397	(1.080)	53194	20.0000	20
	29 1,2-Dichloropropane	63	6.409	6.408	(1.082)	45558	20.0000	20
	30 Bromodichloromethane	83	6.687	6.687	(1.129)	49002	20.0000	19
	31 cis-1,3-Dichloropropene	75	7.152	7.151	(1.208)	52820	20.0000	18
	32 4-Methyl-2-Pentanone	43	7.314	7.302	(0.812)	38165	20.0000	19
$	33 Toluene-d8	98	7.442	7.430	(0.826)	115488	20.0000	20
	34 Toluene	91	7.512	7.500	(0.834)	146057	20.0000	20
	35 trans-1,3-Dichloropropene	75	7.744	7.732	(1.308)	43776	20.0000	18
	36 1,1,2-Trichloroethane	97	7.930	7.930	(1.339)	37288	20.0000	19
	37 Tetrachloroethene	164	8.104	8.104	(0.899)	26834	20.0000	20
	38 2-Hexanone	43	8.243	8.220	(0.915)	16782	20.0000	16(Q)
	39 Dibromochloromethane	129	8.360	8.359	(1.412)	42318	20.0000	19
	40 1,2-Dibromoethane	107	8.487	8.487	(0.942)	42405	20.0000	19
*	42 Chlorobenzene-d5	117	9.010	9.010	(1.000)	263451	50.0000	
	43 Chlorobenzene	112	9.045	9.033	(1.004)	97645	20.0000	19
	44 Ethylbenzene	106	9.173	9.161	(1.018)	42981	20.0000	19
	45 m,p-Xylene	106	9.300	9.300	(1.032)	115507	40.0000	41
	46 o-Xylene	106	9.753	9.753	(1.082)	55290	20.0000	20
	47 Styrene	104	9.776	9.764	(1.085)	58016	20.0000	19
	48 Bromoform	173	9.974	9.973	(1.684)	29755	20.0000	19
	49 Isopropylbenzene	105	10.183	10.182	(1.130)	130336	20.0000	19
$	50 Bromofluorobenzene	95	10.369	10.357	(1.151)	41707	20.0000	19
	51 1,1,2,2-Tetrachloroethane	83	10.520	10.519	(1.168)	56584	20.0000	19
M	41 Xylene (Total)	106				170797	20.0000	61
	52 1,3-Dichlorobenzene	146	11.669	11.657	(1.295)	61165	20.0000	18
	53 1,4-Dichlorobenzene	146	11.774	11.762	(1.307)	73087	20.0000	19
	54 1,2-Dichlorobenzene	146	12.215	12.215	(1.356)	63806	20.0000	18
	55 1,2-Dibromo-3-chloropropane	75	13.167	13.155	(1.461)	7391	20.0000	19
	56 1,2,4-Trichlorobenzene	180	14.189	14.177	(1.575)	29956	20.0000	16

QC Flag Legend

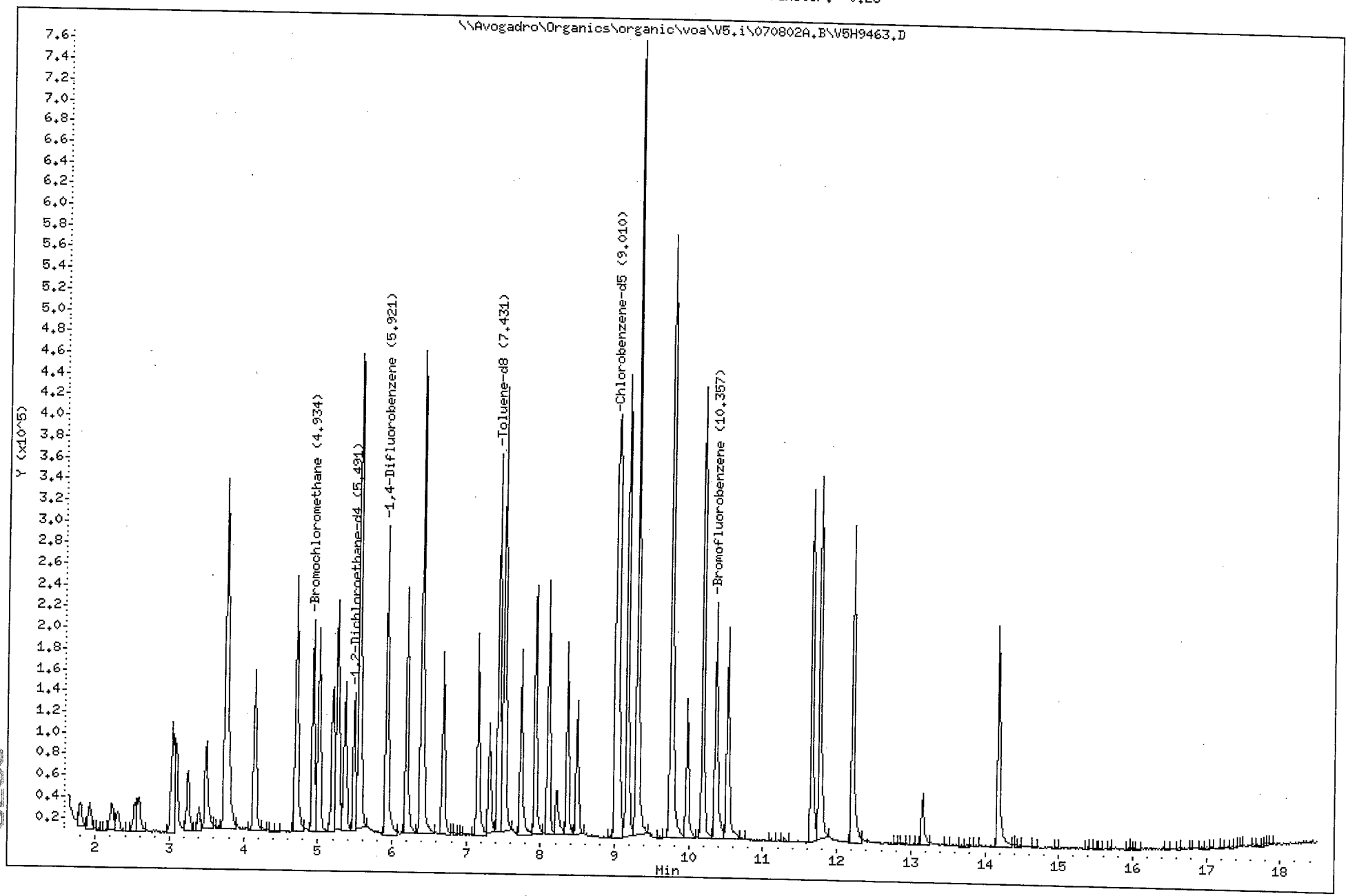
Q - Qualifier signal failed the ratio test.

SB 8/6/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9463.D
Date : 02-AUG-2007 23:32
Client ID: VSTD0505Z
Sample Info: 5G,VSTD0505Z,VSTD0505Z

Instrument: V5.i

Operator: HZA SRC: HZA
Column phase: DB-624
Column diameter: 0.25



Data File: V5H9463.D
Report Date: 06-Aug-2007 09:15

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9463.D
Lab Smp Id: VSTD0505Z Client Smp ID: VSTD0505Z
Inj Date : 02-AUG-2007 23:32
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5G,VSTD0505Z,VSTD0505Z
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\v5clp4h.m
Meth Date : 06-Aug-2007 09:11 sbotvin Quant Type: ISTD
Cal Date : 02-AUG-2007 23:32 Cal File: V5H9463.D
Als bottle: 100 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.647	1.647	(0.334)	28554	50.0000	48
2	Chloromethane	50	1.798	1.798	(0.364)	45042	50.0000	53
3	Vinyl Chloride	62	1.926	1.926	(0.390)	42619	50.0000	50
4	Bromomethane	94	2.216	2.216	(0.449)	30655	50.0000	54
5	Chloroethane	64	2.297	2.297	(0.466)	22965	50.0000	51
6	Trichlorofluoromethane	101	2.588	2.588	(0.525)	79455	50.0000	52
7	1,1-Dichloroethene	96	3.029	3.029	(0.614)	35219	50.0000	53
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.075	3.075	(0.623)	46188	50.0000	52
9	Acetone	43	3.075	3.075	(0.623)	32368	50.0000	51
10	Carbon Disulfide	76	3.249	3.249	(0.659)	117100	50.0000	52
11	Methyl Acetate	43	3.389	3.389	(0.687)	39504	50.0000	51
12	Methylene Chloride	84	3.493	3.493	(0.708)	57198	50.0000	52
13	trans-1,2-Dichloroethene	96	3.760	3.760	(0.762)	107969	50.0000	52
14	Methyl tert-Butyl Ether	73	3.772	3.772	(0.765)	286567	50.0000	51
15	1,1-Dichloroethane	63	4.155	4.155	(0.842)	197180	50.0000	53
17	cis-1,2-Dichloroethene	96	4.701	4.701	(0.953)	127426	50.0000	52
16	2-Butanone	43	4.724	4.724	(0.958)	54825	50.0000	52
* 18	Bromochloromethane	128	4.933	4.933	(1.000)	69014	50.0000	
19	Chloroform	83	5.015	5.015	(1.016)	190018	50.0000	52
20	1,1,1-Trichloroethane	97	5.200	5.200	(0.878)	130032	50.0000	53
21	Cyclohexane	56	5.259	5.259	(0.888)	149471	50.0000	55

Data File: V5H9463.D
Report Date: 06-Aug-2007 09:15

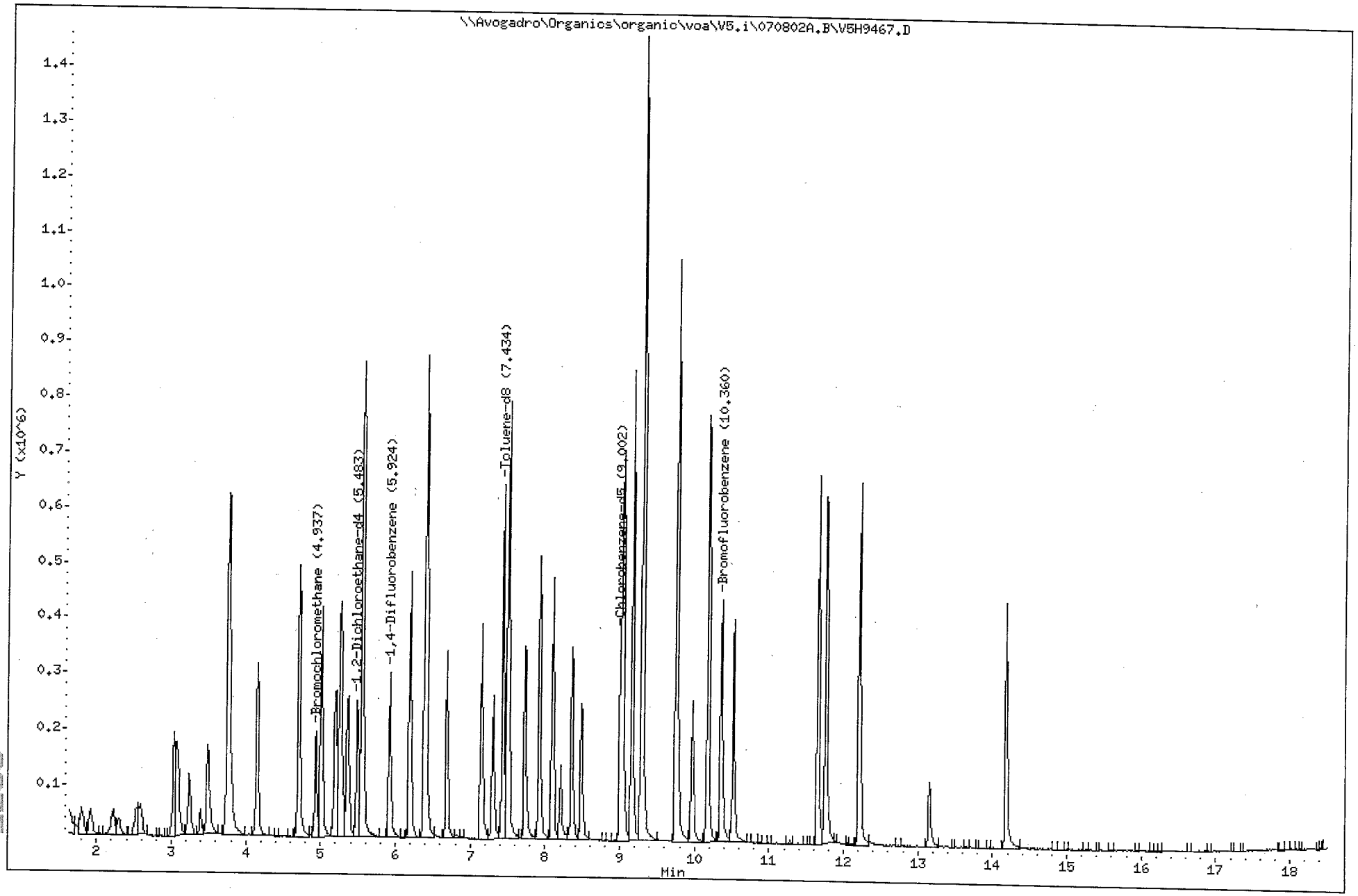
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	22 Carbon Tetrachloride	117	5.363	5.363	(0.906)	112575	50.0000	54
$	23 1,2-Dichloroethane-d4	65	5.491	5.491	(1.113)	93166	50.0000	51
	25 Benzene	78	5.549	5.549	(0.937)	403587	50.0000	55
	24 1,2-Dichloroethane	62	5.561	5.561	(1.127)	118814	50.0000	52
*	26 1,4-Difluorobenzene	114	5.921	5.921	(1.000)	292062	50.0000	
	27 Trichloroethene	130	6.199	6.199	(1.047)	102708	50.0000	55
	28 Methylcyclohexane	83	6.397	6.397	(1.080)	148241	50.0000	56
	29 1,2-Dichloropropane	63	6.408	6.408	(1.082)	118740	50.0000	54
	30 Bromodichloromethane	83	6.687	6.687	(1.129)	138475	50.0000	54
	31 cis-1,3-Dichloropropene	75	7.151	7.151	(1.208)	154487	50.0000	55
	32 4-Methyl-2-Pentanone	43	7.302	7.302	(0.811)	103484	50.0000	51
$	33 Toluene-d8	98	7.430	7.430	(0.825)	310793	50.0000	54
	34 Toluene	91	7.500	7.500	(0.832)	402961	50.0000	54
	35 trans-1,3-Dichloropropene	75	7.732	7.732	(1.306)	129949	50.0000	54
	36 1,1,2-Trichloroethane	97	7.930	7.930	(1.339)	104045	50.0000	54
	37 Tetrachloroethene	164	8.104	8.104	(0.899)	71293	50.0000	52
	38 2-Hexanone	43	8.220	8.220	(0.912)	52359	50.0000	48
	39 Dibromochloromethane	129	8.359	8.359	(1.412)	121336	50.0000	55
	40 1,2-Dibromoethane	107	8.487	8.487	(0.942)	119294	50.0000	52
*	42 Chlorobenzene-d5	117	9.010	9.010	(1.000)	265492	50.0000	
	43 Chlorobenzene	112	9.033	9.033	(1.003)	269633	50.0000	53
	44 Ethylbenzene	106	9.161	9.161	(1.017)	123788	50.0000	54
	45 m,p-Xylene	106	9.300	9.300	(1.032)	309190	100.000	110
	46 o-Xylene	106	9.753	9.753	(1.082)	159523	50.0000	56
	47 Styrene	104	9.764	9.764	(1.084)	172081	50.0000	55
	48 Bromoform	173	9.973	9.973	(1.685)	85080	50.0000	55
	49 Isopropylbenzene	105	10.182	10.182	(1.130)	374643	50.0000	54
$	50 Bromofluorobenzene	95	10.357	10.357	(1.150)	123417	50.0000	55
	51 1,1,2,2-Tetrachloroethane	83	10.519	10.519	(1.168)	159876	50.0000	53
M	41 Xylene (Total)	106				468713	50.0000	170
	52 1,3-Dichlorobenzene	146	11.657	11.657	(1.294)	185391	50.0000	54
	53 1,4-Dichlorobenzene	146	11.762	11.762	(1.305)	212789	50.0000	55
	54 1,2-Dichlorobenzene	146	12.215	12.215	(1.356)	193512	50.0000	54
	55 1,2-Dibromo-3-chloropropane	75	13.155	13.155	(1.460)	18814	50.0000	49
	56 1,2,4-Trichlorobenzene	180	14.177	14.177	(1.574)	99430	50.0000	53

(93) 8/6/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9467.D
Date : 03-AUG-2007 01:32
Client ID: VSTD1005Z
Sample Info: 5G,VSTD1005Z,VSTD1005Z

Instrument: V5.i

Operator: HZA SRC: HZA
Column phase: DB-624
Column diameter: 0.25



Data File: V5H9467.D
Report Date: 06-Aug-2007 09:15

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9467.D
Lab Smp Id: VSTD1005Z Client Smp ID: VSTD1005Z
Inj Date : 03-AUG-2007 01:32
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5G,VSTD1005Z,VSTD1005Z
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\v5clp4h.m
Meth Date : 06-Aug-2007 09:11 sbotvin Quant Type: ISTD
Cal Date : 02-AUG-2007 23:32 Cal File: V5H9463.D
Als bottle: 100 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.638	1.647	(0.332)	64665	100.000	110
2	Chloromethane	50	1.801	1.798	(0.365)	91241	100.000	110
3	Vinyl Chloride	62	1.917	1.926	(0.388)	87202	100.000	100
4	Bromomethane	94	2.219	2.216	(0.450)	55536	100.000	100
5	Chloroethane	64	2.300	2.297	(0.466)	42774	100.000	97
6	Trichlorofluoromethane	101	2.579	2.588	(0.522)	151294	100.000	100
7	1,1-Dichloroethene	96	3.032	3.029	(0.614)	64461	100.000	99
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.078	3.075	(0.624)	90743	100.000	100
9	Acetone	43	3.078	3.075	(0.624)	60771	100.000	97
10	Carbon Disulfide	76	3.241	3.249	(0.657)	225773	100.000	100
11	Methyl Acetate	43	3.392	3.389	(0.687)	85112	100.000	110
12	Methylene Chloride	84	3.485	3.493	(0.706)	110999	100.000	100
13	trans-1,2-Dichloroethene	96	3.752	3.760	(0.760)	212142	100.000	100
14	Methyl tert-Butyl Ether	73	3.775	3.772	(0.765)	577066	100.000	110
15	1,1-Dichloroethane	63	4.147	4.155	(0.840)	381345	100.000	110
17	cis-1,2-Dichloroethene	96	4.704	4.701	(0.953)	241377	100.000	100
16	2-Butanone	43	4.716	4.724	(0.955)	119723	100.000	120
* 18	Bromochloromethane	128	4.936	4.933	(1.000)	67732	50.0000	
19	Chloroform	83	5.006	5.015	(1.014)	370312	100.000	100
20	1,1,1-Trichloroethane	97	5.192	5.200	(0.877)	253474	100.000	100
21	Cyclohexane	56	5.262	5.259	(0.888)	292921	100.000	110

Data File: V5H9467.D
Report Date: 06-Aug-2007 09:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	22 Carbon Tetrachloride	117	5.366	5.363	(0.906)	218494	100.000	100
$	23 1,2-Dichloroethane-d4	65	5.482	5.491	(1.111)	185588	100.000	100
	25 Benzene	78	5.552	5.549	(0.937)	740878	100.000	100
	24 1,2-Dichloroethane	62	5.564	5.561	(1.127)	227583	100.000	100
*	26 1,4-Difluorobenzene	114	5.924	5.921	(1.000)	293617	50.0000	
	27 Trichloroethene	130	6.191	6.199	(1.045)	194994	100.000	100
	28 Methylcyclohexane	83	6.388	6.397	(1.078)	278370	100.000	100
	29 1,2-Dichloropropane	63	6.400	6.408	(1.080)	216720	100.000	99
	30 Bromodichloromethane	83	6.678	6.687	(1.127)	270513	100.000	100
	31 cis-1,3-Dichloropropene	75	7.143	7.151	(1.206)	295968	100.000	100
	32 4-Methyl-2-Pentanone	43	7.306	7.302	(0.812)	216937	100.000	120
$	33 Toluene-d8	98	7.433	7.430	(0.826)	528398	100.000	100
	34 Toluene	91	7.503	7.500	(0.834)	745476	100.000	110
	35 trans-1,3-Dichloropropene	75	7.724	7.732	(1.304)	256945	100.000	110
	36 1,1,2-Trichloroethane	97	7.921	7.930	(1.337)	196517	100.000	100
	37 Tetrachloroethene	164	8.095	8.104	(0.899)	138170	100.000	110
	38 2-Hexanone	43	8.200	8.220	(0.911)	143621	100.000	140
	39 Dibromochloromethane	129	8.351	8.359	(1.410)	232644	100.000	100
	40 1,2-Dibromoethane	107	8.478	8.487	(0.942)	233042	100.000	110
*	42 Chlorobenzene-d5	117	9.001	9.010	(1.000)	245951	50.0000	
	43 Chlorobenzene	112	9.036	9.033	(1.004)	484872	100.000	100
	44 Ethylbenzene	106	9.164	9.161	(1.018)	237071	100.000	110
	45 m,p-Xylene	106	9.291	9.300	(1.032)	555047	200.000	210(A)
	46 o-Xylene	106	9.744	9.753	(1.083)	281663	100.000	110
	47 Styrene	104	9.767	9.764	(1.085)	316741	100.000	110
	48 Bromoform	173	9.965	9.973	(1.682)	165494	100.000	110
	49 Isopropylbenzene	105	10.186	10.182	(1.132)	712666	100.000	110
$	50 Bromofluorobenzene	95	10.360	10.357	(1.151)	222417	100.000	110
	51 1,1,2,2-Tetrachloroethane	83	10.522	10.519	(1.169)	302580	100.000	110
M	41 Xylene (Total)	106				836710	100.000	320(A)
	52 1,3-Dichlorobenzene	146	11.649	11.657	(1.294)	360519	100.000	110
	53 1,4-Dichlorobenzene	146	11.765	11.762	(1.307)	387212	100.000	110
	54 1,2-Dichlorobenzene	146	12.206	12.215	(1.356)	366823	100.000	110
	55 1,2-Dibromo-3-chloropropane	75	13.147	13.155	(1.461)	42740	100.000	120
	56 1,2,4-Trichlorobenzene	180	14.180	14.177	(1.575)	209793	100.000	120

QC Flag Legend

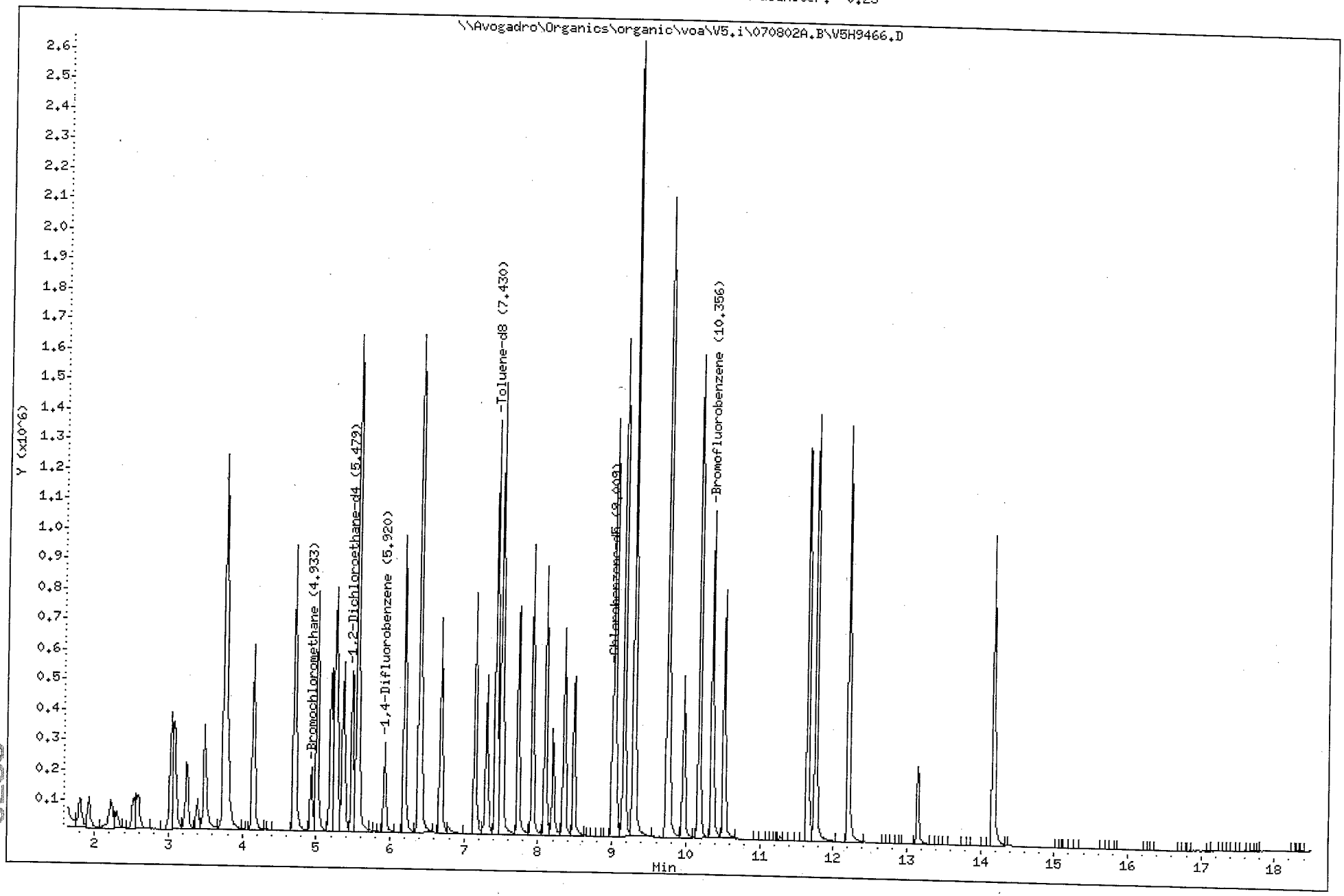
A - Target compound detected but, quantitated amount exceeded maximum amount.

SB 8/6/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9466.D
Date : 03-AUG-2007 01:02
Client ID: VSTD2005Z
Sample Info: 5G,VSTD2005Z,VSTD2005Z

Instrument: V5.i

Operator: HZA SRC: HZA
Column phase: DB-624
Column diameter: 0.25



Data File: V5H9466.D
Report Date: 06-Aug-2007 09:15

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9466.D
Lab Smp Id: VSTD2005Z Client Smp ID: VSTD2005Z
Inj Date : 03-AUG-2007 01:02
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5G,VSTD2005Z,VSTD2005Z
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\v5clp4h.m
Meth Date : 06-Aug-2007 09:11 sbotvin Quant Type: ISTD
Cal Date : 02-AUG-2007 23:32 Cal File: V5H9463.D
Als bottle: 100 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.634	1.647	(0.331)	129288	200.000	210(A)
2	Chloromethane	50	1.797	1.798	(0.364)	182554	200.000	210(A)
3	Vinyl Chloride	62	1.913	1.926	(0.388)	173396	200.000	200
4	Bromomethane	94	2.215	2.216	(0.449)	107377	200.000	180
5	Chloroethane	64	2.296	2.297	(0.466)	77223	200.000	170
6	Trichlorofluoromethane	101	2.575	2.588	(0.522)	310142	200.000	200
7	1,1-Dichloroethene	96	3.028	3.029	(0.614)	133180	200.000	190
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.074	3.075	(0.623)	185174	200.000	200
9	Acetone	43	3.074	3.075	(0.623)	108803	200.000	170
10	Carbon Disulfide	76	3.237	3.249	(0.656)	464135	200.000	200
11	Methyl Acetate	43	3.388	3.389	(0.687)	159704	200.000	200
12	Methylene Chloride	84	3.492	3.493	(0.708)	223165	200.000	200
13	trans-1,2-Dichloroethene	96	3.748	3.760	(0.760)	409694	200.000	190
14	Methyl tert-Butyl Ether	73	3.771	3.772	(0.765)	1196582	200.000	210(A)
15	1,1-Dichloroethane	63	4.143	4.155	(0.840)	759797	200.000	200
17	cis-1,2-Dichloroethene	96	4.700	4.701	(0.953)	472600	200.000	190
16	2-Butanone	43	4.712	4.724	(0.955)	223476	200.000	210(A)
* 18	Bromochloromethane	128	4.932	4.933	(1.000)	70955	50.0000	
19	Chloroform	83	5.002	5.015	(1.014)	749526	200.000	200
20	1,1,1-Trichloroethane	97	5.199	5.200	(0.878)	513417	200.000	200
21	Cyclohexane	56	5.258	5.259	(0.888)	591818	200.000	210(A)

Data File: V5H9466.D
Report Date: 06-Aug-2007 09:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	22 Carbon Tetrachloride	117	5.362	5.363	(0.906)	454257	200.000	210 (A)
$	23 1,2-Dichloroethane-d4	65	5.478	5.491	(1.111)	388570	200.000	210 (A)
	25 Benzene	78	5.548	5.549	(0.937)	1394127	200.000	180
	24 1,2-Dichloroethane	62	5.559	5.561	(1.127)	485858	200.000	210 (A)
*	26 1,4-Difluorobenzene	114	5.919	5.921	(1.000)	306306	50.0000	
	27 Trichloroethene	130	6.187	6.199	(1.045)	393855	200.000	200
	28 Methylcyclohexane	83	6.396	6.397	(1.080)	528188	200.000	190
	29 1,2-Dichloropropane	63	6.407	6.408	(1.082)	402460	200.000	180
	30 Bromodichloromethane	83	6.686	6.687	(1.129)	553468	200.000	200
	31 cis-1,3-Dichloropropene	75	7.139	7.151	(1.206)	622827	200.000	210 (A)
	32 4-Methyl-2-Pentanone	43	7.301	7.302	(0.811)	431720	200.000	210 (A)
$	33 Toluene-d8	98	7.429	7.430	(0.825)	1155756	200.000	200
	34 Toluene	91	7.499	7.500	(0.832)	1395661	200.000	180
	35 trans-1,3-Dichloropropene	75	7.731	7.732	(1.306)	544377	200.000	220 (A)
	36 1,1,2-Trichloroethane	97	7.917	7.930	(1.337)	396937	200.000	200
	37 Tetrachloroethene	164	8.103	8.104	(0.899)	275417	200.000	190
	38 2-Hexanone	43	8.196	8.220	(0.910)	302670	200.000	270 (A)
	39 Dibromochloromethane	129	8.358	8.359	(1.412)	477285	200.000	200
	40 1,2-Dibromoethane	107	8.486	8.487	(0.942)	477068	200.000	200
*	42 Chlorobenzene-d5	117	9.009	9.010	(1.000)	273885	50.0000	
	43 Chlorobenzene	112	9.032	9.033	(1.003)	954421	200.000	180
	44 Ethylbenzene	106	9.160	9.161	(1.017)	459373	200.000	190
	45 m,p-Xylene	106	9.299	9.300	(1.032)	1006194	400.000	340 (A)
	46 o-Xylene	106	9.752	9.753	(1.082)	519071	200.000	180
	47 Styrene	104	9.763	9.764	(1.084)	609540	200.000	190
	48 Bromoform	173	9.972	9.973	(1.685)	341504	200.000	210 (A)
	49 Isopropylbenzene	105	10.181	10.182	(1.130)	1366378	200.000	190
$	50 Bromofluorobenzene	95	10.356	10.357	(1.150)	502043	200.000	220 (A)
	51 1,1,2,2-Tetrachloroethane	83	10.518	10.519	(1.168)	592042	200.000	190
M	41 Xylene (Total)	106				1525265	200.000	520 (A)
	52 1,3-Dichlorobenzene	146	11.656	11.657	(1.294)	742119	200.000	210 (A)
	53 1,4-Dichlorobenzene	146	11.761	11.762	(1.306)	783621	200.000	200
	54 1,2-Dichlorobenzene	146	12.202	12.215	(1.354)	736782	200.000	200
	55 1,2-Dibromo-3-chloropropane	75	13.143	13.155	(1.459)	87170	200.000	220 (A)
	56 1,2,4-Trichlorobenzene	180	14.176	14.177	(1.574)	453944	200.000	230 (A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

8/6/07

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Instrument ID: V5 Calibration Date: 08/01/07 Time: 1415

Lab File ID: V5H9408 Init. Calib. Date(s): 08/01/07 08/01/07

EPA Sample No.(VSTD050##): VSTD0505X Init. Calib. Times: 1415 1610

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.473	0.553		16.9	
Chloromethane	0.804	0.895		11.3	
Vinyl Chloride	0.810	0.898	0.100	10.9	25.0
Bromomethane	0.491	0.571	0.100	16.3	25.0
Chloroethane	0.395	0.465		17.7	
Trichlorofluoromethane	1.184	1.336		12.8	
1,1-Dichloroethene	0.544	0.581	0.100	6.8	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.635	0.712		12.1	
Acetone	0.421	0.454		7.8	
Carbon Disulfide	1.919	2.044		6.5	
Methyl Acetate	0.530	0.579		9.2	
Methylene Chloride	0.852	0.930		9.2	
trans-1,2-Dichloroethene	1.758	1.893		7.7	
Methyl tert-Butyl Ether	4.105	4.333		5.6	
1,1-Dichloroethane	3.145	3.309	0.200	5.2	25.0
cis-1,2-Dichloroethene	1.885	1.994		5.8	
2-Butanone	0.788	0.812		3.0	
Chloroform	2.955	3.117	0.200	5.5	25.0
1,1,1-Trichloroethane	0.438	0.462	0.100	5.5	25.0
Cyclohexane	0.492	0.556		13.0	
Carbon Tetrachloride	0.374	0.402	0.100	7.5	25.0
Benzene	1.256	1.364	0.500	8.6	25.0
1,2-Dichloroethane	1.765	1.841	0.100	4.3	25.0
Trichloroethene	0.323	0.345	0.300	6.8	25.0
Methylcyclohexane	0.418	0.480		14.8	

All other compounds must meet a minimum RRF of 0.010.

7B
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Instrument ID: V5 Calibration Date: 08/01/07 Time: 1415

Lab File ID: V5H9408 Init. Calib. Date(s): 08/01/07 08/01/07

EPA Sample No.(VSTD050##): VSTD0505X Init. Calib. Times: 1415 1610

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.362	0.394		8.8	
Bromodichloromethane	0.407	0.422	0.200	3.7	25.0
cis-1,3-Dichloropropene	0.470	0.508	0.200	8.1	25.0
4-Methyl-2-Pentanone	0.323	0.356		10.2	
Toluene	1.541	1.658	0.400	7.6	25.0
trans-1,3-Dichloropropene	0.392	0.431	0.100	9.9	25.0
1,1,2-Trichloroethane	0.286	0.312	0.100	9.1	25.0
Tetrachloroethene	0.289	0.298	0.200	3.1	25.0
2-Hexanone	0.208	0.223		7.2	
Dibromochloromethane	0.326	0.353	0.100	8.3	25.0
1,2-Dibromoethane	0.406	0.429		5.7	
Chlorobenzene	0.972	1.044	0.500	7.4	25.0
Ethylbenzene	0.491	0.525	0.100	6.9	25.0
Xylene (Total)	0.576	0.621	0.300	7.8	25.0
Styrene	0.614	0.674	0.300	9.8	25.0
Bromoform	0.208	0.223	0.100	7.2	25.0
Isopropylbenzene	1.479	1.590		7.5	
1,1,2,2-Tetrachloroethane	0.481	0.534	0.300	11.0	25.0
1,3-Dichlorobenzene	0.661	0.708	0.600	7.1	25.0
1,4-Dichlorobenzene	0.740	0.776	0.500	4.9	25.0
1,2-Dichlorobenzene	0.649	0.686	0.400	5.7	25.0
1,2-Dibromo-3-chloropropane	0.050	0.054		8.0	
1,2,4-Trichlorobenzene	0.316	0.313	0.200	-0.9	25.0
Toluene-d8	1.262	1.311		3.9	
Bromofluorobenzene	0.459	0.449	0.200	-2.2	25.0
1,2-Dichloroethane-d4	1.454	1.414		-2.8	

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Instrument ID: V5 Calibration Date: 08/02/07 Time: 0933

Lab File ID: V5H9434 Init. Calib. Date(s): 08/01/07 08/01/07

EPA Sample No.(VSTD050##): VSTD0505Y Init. Calib. Times: 1415 1610

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Dichlorodifluoromethane	0.473	0.488		3.2		
Chloromethane	0.804	0.921		14.6		
Vinyl Chloride	0.810	1.003	0.100	23.8	25.0	
Bromomethane	0.491	0.633	0.100	28.9	25.0	<-
Chloroethane	0.395	0.478		21.0		
Trichlorofluoromethane	1.009	1.340		32.8		
1,1-Dichloroethene	0.544	0.590	0.100	8.5	25.0	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.635	0.694		9.3		
Acetone	0.421	0.375		-10.9		
Carbon Disulfide	1.919	2.039		6.3		
Methyl Acetate	0.530	0.480		-9.4		
Methylene Chloride	0.852	0.929		9.0		
trans-1,2-Dichloroethene	1.758	1.812		3.1		
Methyl tert-Butyl Ether	4.105	4.126		0.5		
1,1-Dichloroethane	3.145	3.184	0.200	1.2	25.0	
cis-1,2-Dichloroethene	1.885	2.190		16.2		
2-Butanone	0.788	0.669		-15.1		
Chloroform	2.955	2.981	0.200	0.9	25.0	
1,1,1-Trichloroethane	0.438	0.463	0.100	5.7	25.0	
Cyclohexane	0.492	0.516		4.9		
Carbon Tetrachloride	0.374	0.407	0.100	8.8	25.0	
Benzene	1.256	1.393	0.500	10.9	25.0	
1,2-Dichloroethane	1.765	1.712	0.100	-3.0	25.0	
Trichloroethene	0.323	0.361	0.300	11.8	25.0	
Methylcyclohexane	0.418	0.465		11.2		

All other compounds must meet a minimum RRF of 0.010.

7B
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Instrument ID: V5 Calibration Date: 08/02/07 Time: 0933

Lab File ID: V5H9434 Init. Calib. Date(s): 08/01/07 08/01/07

EPA Sample No.(VSTD050##): VSTD0505Y Init. Calib. Times: 1415 1610

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.362	0.381		5.2	
Bromodichloromethane	0.407	0.437	0.200	7.4	25.0
cis-1,3-Dichloropropene	0.470	0.498	0.200	6.0	25.0
4-Methyl-2-Pentanone	0.323	0.306		-5.3	
Toluene	1.541	1.558	0.400	1.1	25.0
trans-1,3-Dichloropropene	0.392	0.406	0.100	3.6	25.0
1,1,2-Trichloroethane	0.286	0.300	0.100	4.9	25.0
Tetrachloroethene	0.289	0.302	0.200	4.5	25.0
2-Hexanone	0.208	0.166		-20.2	
Dibromochloromethane	0.326	0.358	0.100	9.8	25.0
1,2-Dibromoethane	0.406	0.414		2.0	
Chlorobenzene	0.972	1.021	0.500	5.0	25.0
Ethylbenzene	0.491	0.505	0.100	2.9	25.0
Xylene (Total)	0.576	0.607	0.300	5.4	25.0
Styrene	0.614	0.656	0.300	6.8	25.0
Bromoform	0.208	0.226	0.100	8.7	25.0
Isopropylbenzene	1.479	1.560		5.5	
1,1,2,2-Tetrachloroethane	0.481	0.489	0.300	1.7	25.0
1,3-Dichlorobenzene	0.661	0.704	0.600	6.5	25.0
1,4-Dichlorobenzene	0.740	0.755	0.500	2.0	25.0
1,2-Dichlorobenzene	0.649	0.677	0.400	4.3	25.0
1,2-Dibromo-3-chloropropane	0.050	0.047		-6.0	
1,2,4-Trichlorobenzene	0.316	0.281	0.200	-11.1	25.0
Toluene-d8	1.262	1.229		-2.6	
Bromofluorobenzene	0.459	0.487	0.200	6.1	25.0
1,2-Dichloroethane-d4	1.454	1.337		-8.0	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Instrument ID: V5 Calibration Date: 08/02/07 Time: 2332

Lab File ID: V5H9463 Init. Calib. Date(s): 08/02/07 08/03/07

EPA Sample No.(VSTD050##): VSTD0505Z Init. Calib. Times: 2332 0132

Heated Purge: (Y/N) Y

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.431	0.414		-3.9	
Chloromethane	0.621	0.653		5.2	
Vinyl Chloride	0.615	0.618	0.100	0.5	25.0
Bromomethane	0.410	0.444	0.100	8.3	25.0
Chloroethane	0.327	0.333		1.8	
Trichlorofluoromethane	1.111	1.151		3.6	
1,1-Dichloroethene	0.483	0.510	0.100	5.6	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.642	0.669		4.2	
Acetone	0.463	0.469		1.3	
Carbon Disulfide	1.623	1.697		4.6	
Methyl Acetate	0.566	0.572		1.1	
Methylene Chloride	0.800	0.829		3.6	
trans-1,2-Dichloroethene	1.509	1.564		3.6	
Methyl tert-Butyl Ether	4.043	4.152		2.7	
1,1-Dichloroethane	2.677	2.857	0.200	6.7	25.0
cis-1,2-Dichloroethene	1.780	1.846		3.7	
2-Butanone	0.767	0.794		3.5	
Chloroform	2.660	2.753	0.200	3.5	25.0
1,1,1-Trichloroethane	0.417	0.445	0.100	6.7	25.0
Cyclohexane	0.468	0.512		9.4	
Carbon Tetrachloride	0.355	0.385	0.100	8.5	25.0
Benzene	1.266	1.382	0.500	9.2	25.0
1,2-Dichloroethane	1.645	1.722	0.100	4.7	25.0
Trichloroethene	0.322	0.352	0.300	9.3	25.0
Methylcyclohexane	0.456	0.508		11.4	

All other compounds must meet a minimum RRF of 0.010.

7B
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Instrument ID: V5 Calibration Date: 08/02/07 Time: 2332

Lab File ID: V5H9463 Init. Calib. Date(s): 08/02/07 08/03/07

EPA Sample No.(VSTD050##): VSTD0505Z Init. Calib. Times: 2332 0132

Heated Purge: (Y/N) Y

GC Column: DB-624 ID: 0.25 (mm)

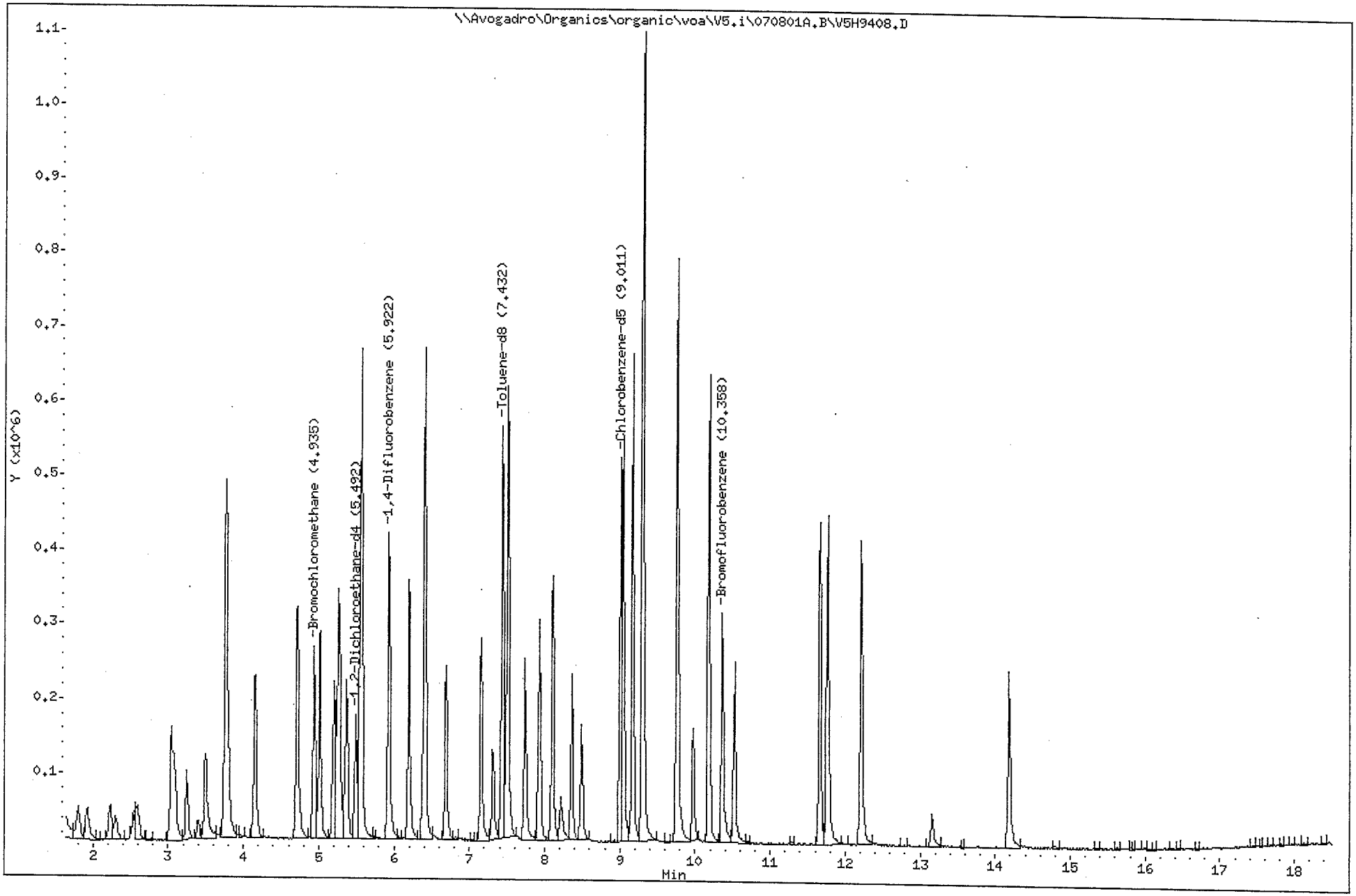
COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.374	0.407		8.8	
Bromodichloromethane	0.441	0.474	0.200	7.5	25.0
cis-1,3-Dichloropropene	0.483	0.529	0.200	9.5	25.0
4-Methyl-2-Pentanone	0.380	0.390		2.6	
Toluene	1.413	1.518	0.400	7.4	25.0
trans-1,3-Dichloropropene	0.410	0.445	0.100	8.5	25.0
1,1,2-Trichloroethane	0.329	0.356	0.100	8.2	25.0
Tetrachloroethene	0.260	0.269	0.200	3.5	25.0
2-Hexanone	0.205	0.197		-3.9	
Dibromochloromethane	0.381	0.415	0.100	8.9	25.0
1,2-Dibromoethane	0.433	0.449		3.7	
Chlorobenzene	0.951	1.016	0.500	6.8	25.0
Ethylbenzene	0.435	0.466	0.100	7.1	25.0
Xylene (Total)	0.533	0.601	0.300	12.8	25.0
Styrene	0.587	0.648	0.300	10.4	25.0
Bromoform	0.267	0.291	0.100	9.0	25.0
Isopropylbenzene	1.304	1.411		8.2	
1,1,2,2-Tetrachloroethane	0.568	0.602	0.300	6.0	25.0
1,3-Dichlorobenzene	0.645	0.698	0.600	8.2	25.0
1,4-Dichlorobenzene	0.725	0.801	0.500	10.5	25.0
1,2-Dichlorobenzene	0.670	0.729	0.400	8.8	25.0
1,2-Dibromo-3-chloropropane	0.073	0.071		-2.7	
1,2,4-Trichlorobenzene	0.354	0.375	0.200	5.9	25.0
Toluene-d8	1.077	1.171		8.7	
Bromofluorobenzene	0.424	0.465	0.200	9.7	25.0
1,2-Dichloroethane-d4	1.318	1.350		2.4	

All other compounds must meet a minimum RRF of 0.010.

Data File: \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9408.D
Date : 01-AUG-2007 14:15
Client ID: VSTD0505X
Sample Info: 5ML,VSTD0505X,VSTD0505X
Purge Volume: 5.0
Column phase: DB-624

Instrument: V5.i

Operator: HZA SRC: HZA
Column diameter: 0.25



1969

Data File: V5H9408.D
Report Date: 03-Aug-2007 10:27

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9408.D
Lab Smp Id: VSTD0505X Client Smp ID: VSTD0505X
Inj Date : 01-AUG-2007 14:15
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5ML,VSTD0505X,VSTD0505X
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\v5clp4.m
Meth Date : 03-Aug-2007 10:20 sbotvin Quant Type: ISTD
Cal Date : 01-AUG-2007 14:15 Cal File: V5H9408.D
Als bottle: 94 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14
Processing Host: TARGET109

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Va	10.000	LCS Aliquot Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.648	1.648	(0.334)	47310	50.0000	58
2	Chloromethane	50	1.799	1.799	(0.365)	76632	50.0000	56
3	Vinyl Chloride	62	1.927	1.927	(0.391)	76849	50.0000	55
4	Bromomethane	94	2.229	2.229	(0.452)	48888	50.0000	58
5	Chloroethane	64	2.298	2.298	(0.466)	39772	50.0000	59
6	Trichlorofluoromethane	101	2.589	2.589	(0.525)	114306	50.0000	56
7	1,1-Dichloroethene	96	3.041	3.041	(0.616)	49686	50.0000	53
9	Acetone	43	3.076	3.076	(0.623)	38881	50.0000	54
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.076	3.076	(0.623)	60914	50.0000	56
10	Carbon Disulfide	76	3.251	3.251	(0.659)	174946	50.0000	53
11	Methyl Acetate	43	3.390	3.390	(0.687)	49521	50.0000	55
12	Methylene Chloride	84	3.494	3.494	(0.708)	79564	50.0000	55
13	trans-1,2-Dichloroethene	96	3.761	3.761	(0.762)	162019	50.0000	54
14	Methyl tert-Butyl Ether	73	3.773	3.773	(0.765)	370808	50.0000	53
15	1,1-Dichloroethane	63	4.156	4.156	(0.842)	283199	50.0000	53
16	cis-1,2-Dichloroethene	96	4.714	4.714	(0.955)	170674	50.0000	53
17	2-Butanone	43	4.725	4.725	(0.958)	69508	50.0000	52
* 18	Bromochloromethane	128	4.934	4.934	(1.000)	85585	50.0000	
20	Chloroform	83	5.016	5.016	(1.016)	266781	50.0000	53
21	1,1,1-Trichloroethane	97	5.202	5.202	(0.878)	198045	50.0000	53
22	Cyclohexane	56	5.260	5.260	(0.888)	238330	50.0000	56

Data File: V5H9408.D
Report Date: 03-Aug-2007 10:27

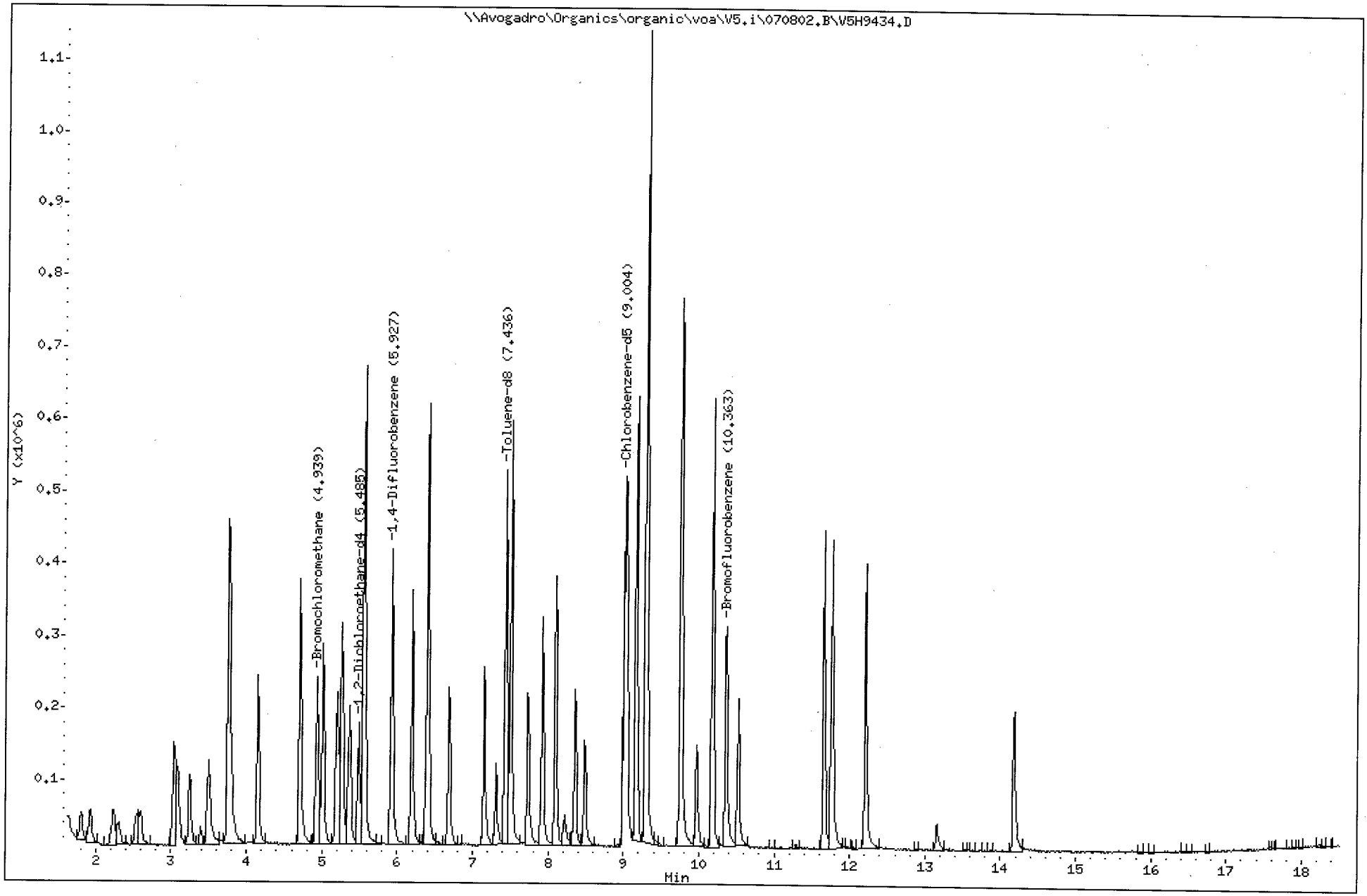
		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	23	Carbon Tetrachloride	117	5.364	5.364	(0.906)	172258	50.0000	54
$	24	1,2-Dichloroethane-d4	65	5.492	5.492	(1.113)	121014	50.0000	49
	25	Benzene	78	5.550	5.550	(0.937)	584714	50.0000	54
	26	1,2-Dichloroethane	62	5.562	5.562	(1.127)	157598	50.0000	52
*	27	1,4-Difluorobenzene	114	5.922	5.922	(1.000)	428793	50.0000	
	28	Trichloroethene	130	6.189	6.189	(1.045)	147746	50.0000	53
	29	Methylcyclohexane	83	6.398	6.398	(1.080)	205765	50.0000	57
	30	1,2-Dichloropropane	63	6.409	6.409	(1.082)	169110	50.0000	54
	31	Bromodichloromethane	83	6.688	6.688	(1.129)	180861	50.0000	52
	33	cis-1,3-Dichloropropene	75	7.153	7.153	(1.208)	217741	50.0000	54
	34	4-Methyl-2-Pentanone	43	7.303	7.303	(0.811)	123484	50.0000	55
$	35	Toluene-d8	98	7.431	7.431	(0.825)	455041	50.0000	52
	36	Toluene	91	7.501	7.501	(0.832)	575491	50.0000	54
	37	trans-1,3-Dichloropropene	75	7.733	7.733	(1.306)	185021	50.0000	55
	38	1,1,2-Trichloroethane	97	7.931	7.931	(1.339)	133605	50.0000	54
	39	Tetrachloroethene	164	8.105	8.105	(0.899)	103492	50.0000	52
	40	2-Hexanone	43	8.209	8.209	(0.911)	77240	50.0000	54
	41	Dibromochloromethane	129	8.360	8.360	(1.412)	151320	50.0000	54
	42	1,2-Dibromoethane	107	8.488	8.488	(0.942)	148798	50.0000	53
*	43	Chlorobenzene-d5	117	9.011	9.011	(1.000)	347031	50.0000	
	44	Chlorobenzene	112	9.034	9.034	(1.003)	362467	50.0000	54
	45	Ethylbenzene	106	9.162	9.162	(1.017)	182303	50.0000	54
	46	m,p-Xylene	106	9.301	9.301	(1.032)	437258	100.000	110
	47	o-Xylene	106	9.754	9.754	(1.082)	215602	50.0000	54
	48	Styrene	104	9.765	9.765	(1.084)	233875	50.0000	55
	49	Bromoform	173	9.974	9.974	(1.684)	95467	50.0000	54
	50	Isopropylbenzene	105	10.184	10.184	(1.130)	551937	50.0000	54
$	51	Bromofluorobenzene	95	10.358	10.358	(1.149)	155872	50.0000	49
	52	1,1,2,2-Tetrachloroethane	83	10.520	10.520	(1.168)	185164	50.0000	56
M	53	Xylene (Total)	106				652860	50.0000	160
	54	1,3-Dichlorobenzene	146	11.658	11.658	(1.294)	245555	50.0000	54
	55	1,4-Dichlorobenzene	146	11.763	11.763	(1.305)	269252	50.0000	52
	56	1,2-Dichlorobenzene	146	12.204	12.204	(1.354)	238136	50.0000	53
	57	1,2-Dibromo-3-chloropropane	75	13.156	13.156	(1.460)	18584	50.0000	54
	58	1,2,4-Trichlorobenzene	180	14.178	14.178	(1.573)	108693	50.0000	49

SB 8/3/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\070802.B\V5H9434.D
Date : 02-AUG-2007 09:33
Client ID: VSTD0505Y
Sample Info: 5ML,VSTD0505Y,VSTD0505Y
Purge Volume: 5.0
Column phase: DB-624

Instrument: V5.i

Operator: HZA SRC: HZA
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V5.i\070802.B\V5H9434.D
Report Date: 15-Aug-2007 15:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070802.B\V5H9434.D
Lab Smp Id: VSTD0505Y Client Smp ID: VSTD0505Y
Inj Date : 02-AUG-2007 09:33
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5ML,VSTD0505Y,VSTD0505Y
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070802.B\v5clp4.m
Meth Date : 15-Aug-2007 15:48 V5.i Quant Type: ISTD
Cal Date : 02-AUG-2007 09:33 Cal File: V5H9434.D
Als bottle: 100 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Va	10.000	LCS Aliquot Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.641	1.641	(0.332)	42437	50.0000	52
2	Chloromethane	50	1.803	1.803	(0.365)	80147	50.0000	57
3	Vinyl Chloride	62	1.920	1.920	(0.389)	87278	50.0000	62
4	Bromomethane	94	2.222	2.222	(0.450)	55033	50.0000	64
5	Chloroethane	64	2.303	2.303	(0.466)	41582	50.0000	61
6	Trichlorofluoromethane	101	2.582	2.582	(0.523)	116520	50.0000	66
7	1,1-Dichloroethene	96	3.034	3.034	(0.614)	51290	50.0000	54
9	Acetone	43	3.069	3.069	(0.621)	32586	50.0000	45
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.081	3.081	(0.624)	60357	50.0000	55
10	Carbon Disulfide	76	3.243	3.243	(0.657)	177389	50.0000	53
11	Methyl Acetate	43	3.394	3.394	(0.687)	41754	50.0000	45
12	Methylene Chloride	84	3.499	3.499	(0.708)	80844	50.0000	55
13	trans-1,2-Dichloroethene	96	3.754	3.754	(0.760)	157602	50.0000	52
14	Methyl tert-Butyl Ether	73	3.778	3.778	(0.765)	358925	50.0000	50
15	1,1-Dichloroethane	63	4.149	4.149	(0.840)	276937	50.0000	51
16	cis-1,2-Dichloroethene	96	4.707	4.707	(0.953)	190504	50.0000	58
17	2-Butanone	43	4.718	4.718	(0.955)	58187	50.0000	42
* 18	Bromochloromethane	128	4.939	4.939	(1.000)	86985	50.0000	
20	Chloroform	83	5.009	5.009	(1.014)	259306	50.0000	50
21	1,1,1-Trichloroethane	97	5.194	5.194	(0.877)	191392	50.0000	53
22	Cyclohexane	56	5.264	5.264	(0.888)	212957	50.0000	52
23	Carbon Tetrachloride	117	5.369	5.369	(0.906)	168173	50.0000	55

Data File: \\Avogadro\Organics\organic\voa\V5.i\070802.B\V5H9434.D
Report Date: 15-Aug-2007 15:48

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	24 1,2-Dichloroethane-d4	65	5.485	5.485	(1.110)	116276	50.0000	46
	25 Benzene	78	5.554	5.554	(0.937)	575283	50.0000	55
	26 1,2-Dichloroethane	62	5.554	5.554	(1.125)	148936	50.0000	49
*	27 1,4-Difluorobenzene	114	5.926	5.926	(1.000)	413011	50.0000	
	28 Trichloroethene	130	6.193	6.193	(1.045)	149196	50.0000	56
	29 Methylcyclohexane	83	6.391	6.391	(1.078)	192156	50.0000	56
	30 1,2-Dichloropropane	63	6.402	6.402	(1.080)	157551	50.0000	53
	31 Bromodichloromethane	83	6.681	6.681	(1.127)	180337	50.0000	54
	33 cis-1,3-Dichloropropene	75	7.145	7.145	(1.206)	205617	50.0000	53
	34 4-Methyl-2-Pentanone	43	7.308	7.308	(0.812)	107574	50.0000	47
$	35 Toluene-d8	98	7.436	7.436	(0.826)	432034	50.0000	49
	36 Toluene	91	7.505	7.505	(0.834)	547900	50.0000	51
	37 trans-1,3-Dichloropropene	75	7.726	7.726	(1.304)	167877	50.0000	52
	38 1,1,2-Trichloroethane	97	7.924	7.924	(1.337)	123860	50.0000	52
	39 Tetrachloroethene	164	8.098	8.098	(0.899)	106313	50.0000	52
	40 2-Hexanone	43	8.214	8.214	(0.912)	58236	50.0000	40
	41 Dibromochloromethane	129	8.353	8.353	(1.410)	147920	50.0000	55(T)
	42 1,2-Dibromoethane	107	8.481	8.481	(0.942)	145446	50.0000	51
*	43 Chlorobenzene-d5	117	9.004	9.004	(1.000)	351658	50.0000	
	44 Chlorobenzene	112	9.038	9.038	(1.004)	359152	50.0000	53
	45 Ethylbenzene	106	9.166	9.166	(1.018)	177685	50.0000	51
	46 m,p-Xylene	106	9.294	9.294	(1.032)	417123	100.000	100
	47 o-Xylene	106	9.747	9.747	(1.083)	213287	50.0000	53
	48 Styrene	104	9.770	9.770	(1.085)	230858	50.0000	54
	49 Bromoform	173	9.967	9.967	(1.682)	93439	50.0000	54
	50 Isopropylbenzene	105	10.176	10.176	(1.130)	548541	50.0000	53
$	51 Bromofluorobenzene	95	10.362	10.362	(1.151)	171099	50.0000	53
	52 1,1,2,2-Tetrachloroethane	83	10.525	10.525	(1.169)	172076	50.0000	51
	54 1,3-Dichlorobenzene	146	11.651	11.651	(1.294)	247465	50.0000	53
	55 1,4-Dichlorobenzene	146	11.767	11.767	(1.307)	265628	50.0000	51
	56 1,2-Dichlorobenzene	146	12.209	12.209	(1.356)	238102	50.0000	52
	57 1,2-Dibromo-3-chloropropane	75	13.149	13.149	(1.460)	16394	50.0000	47
	58 1,2,4-Trichlorobenzene	180	14.183	14.183	(1.575)	98865	50.0000	44

21
8/15/07

QC Flag Legend

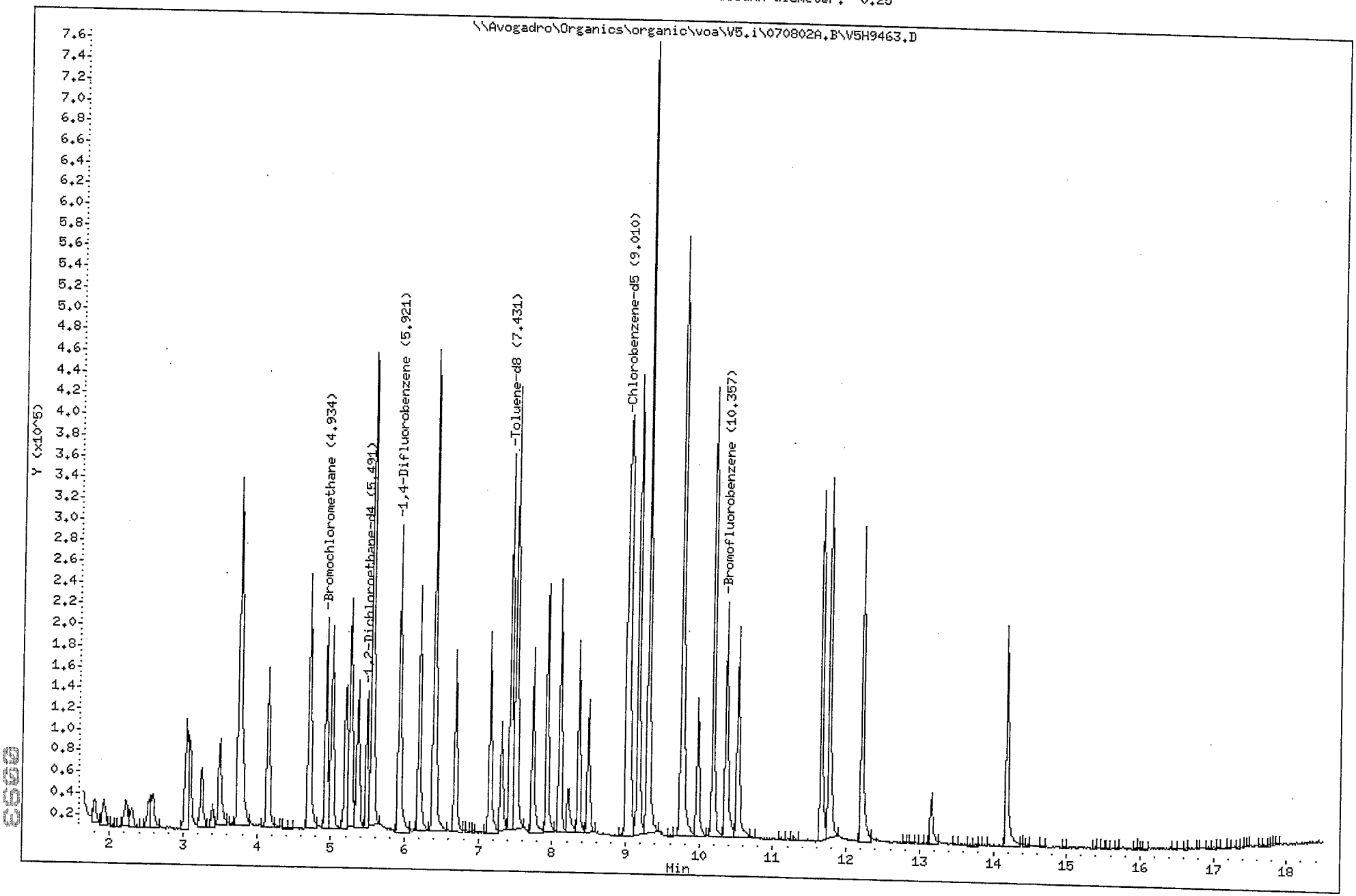
T - Target compound detected outside RT window.

Data File: \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9463.D
Date : 02-AUG-2007 23:32
Client ID: VSTD0505Z
Sample Info: 5G,VSTD0505Z,VSTD0505Z

Instrument: V5.i

Column phase: DB-624

Operator: HZA SRC: HZA
Column diameter: 0.25



Data File: V5H9463.D
Report Date: 06-Aug-2007 09:15

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9463.D
Lab Smp Id: VSTD0505Z Client Smp ID: VSTD0505Z
Inj Date : 02-AUG-2007 23:32
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5G,VSTD0505Z,VSTD0505Z
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\v5clp4h.m
Meth Date : 06-Aug-2007 09:11 sbotvin Quant Type: ISTD
Cal Date : 02-AUG-2007 23:32 Cal File: V5H9463.D
Als bottle: 100 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.647	1.647	(0.334)	28554	50.0000	48
2	Chloromethane	50	1.798	1.798	(0.364)	45042	50.0000	53
3	Vinyl Chloride	62	1.926	1.926	(0.390)	42619	50.0000	50
4	Bromomethane	94	2.216	2.216	(0.449)	30655	50.0000	54
5	Chloroethane	64	2.297	2.297	(0.466)	22965	50.0000	51
6	Trichlorofluoromethane	101	2.588	2.588	(0.525)	79455	50.0000	52
7	1,1-Dichloroethene	96	3.029	3.029	(0.614)	35219	50.0000	53
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.075	3.075	(0.623)	46188	50.0000	52
9	Acetone	43	3.075	3.075	(0.623)	32368	50.0000	51
10	Carbon Disulfide	76	3.249	3.249	(0.659)	117100	50.0000	52
11	Methyl Acetate	43	3.389	3.389	(0.687)	39504	50.0000	51
12	Methylene Chloride	84	3.493	3.493	(0.708)	57198	50.0000	52
13	trans-1,2-Dichloroethene	96	3.760	3.760	(0.762)	107969	50.0000	52
14	Methyl tert-Butyl Ether	73	3.772	3.772	(0.765)	286567	50.0000	51
15	1,1-Dichloroethane	63	4.155	4.155	(0.842)	197180	50.0000	53
17	cis-1,2-Dichloroethene	96	4.701	4.701	(0.953)	127426	50.0000	52
16	2-Butanone	43	4.724	4.724	(0.958)	54825	50.0000	52
* 18	Bromochloromethane	128	4.933	4.933	(1.000)	69014	50.0000	
19	Chloroform	83	5.015	5.015	(1.016)	190018	50.0000	52
20	1,1,1-Trichloroethane	97	5.200	5.200	(0.878)	130032	50.0000	53
21	Cyclohexane	56	5.259	5.259	(0.888)	149471	50.0000	55

Data File: V5H9463.D
Report Date: 06-Aug-2007 09:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	22 Carbon Tetrachloride	117	5.363	5.363	(0.906)	112575	50.0000	54
$	23 1,2-Dichloroethane-d4	65	5.491	5.491	(1.113)	93166	50.0000	51
	25 Benzene	78	5.549	5.549	(0.937)	403587	50.0000	55
	24 1,2-Dichloroethane	62	5.561	5.561	(1.127)	118814	50.0000	52
*	26 1,4-Difluorobenzene	114	5.921	5.921	(1.000)	292062	50.0000	
	27 Trichloroethene	130	6.199	6.199	(1.047)	102708	50.0000	55
	28 Methylcyclohexane	83	6.397	6.397	(1.080)	148241	50.0000	56
	29 1,2-Dichloropropane	63	6.408	6.408	(1.082)	118740	50.0000	54
	30 Bromodichloromethane	83	6.687	6.687	(1.129)	138475	50.0000	54
	31 cis-1,3-Dichloropropene	75	7.151	7.151	(1.208)	154487	50.0000	55
	32 4-Methyl-2-Pentanone	43	7.302	7.302	(0.811)	103484	50.0000	51
$	33 Toluene-d8	98	7.430	7.430	(0.825)	310793	50.0000	54
	34 Toluene	91	7.500	7.500	(0.832)	402961	50.0000	54
	35 trans-1,3-Dichloropropene	75	7.732	7.732	(1.306)	129949	50.0000	54
	36 1,1,2-Trichloroethane	97	7.930	7.930	(1.339)	104045	50.0000	54
	37 Tetrachloroethene	164	8.104	8.104	(0.899)	71293	50.0000	52
	38 2-Hexanone	43	8.220	8.220	(0.912)	52359	50.0000	48
	39 Dibromochloromethane	129	8.359	8.359	(1.412)	121336	50.0000	55
	40 1,2-Dibromoethane	107	8.487	8.487	(0.942)	119294	50.0000	52
*	42 Chlorobenzene-d5	117	9.010	9.010	(1.000)	265492	50.0000	
	43 Chlorobenzene	112	9.033	9.033	(1.003)	269633	50.0000	53
	44 Ethylbenzene	106	9.161	9.161	(1.017)	123788	50.0000	54
	45 m,p-Xylene	106	9.300	9.300	(1.032)	309190	100.000	110
	46 o-Xylene	106	9.753	9.753	(1.082)	159523	50.0000	56
	47 Styrene	104	9.764	9.764	(1.084)	172081	50.0000	55
	48 Bromoform	173	9.973	9.973	(1.685)	85080	50.0000	55
	49 Isopropylbenzene	105	10.182	10.182	(1.130)	374643	50.0000	54
$	50 Bromofluorobenzene	95	10.357	10.357	(1.150)	123417	50.0000	55
	51 1,1,2,2-Tetrachloroethane	83	10.519	10.519	(1.168)	159876	50.0000	53
M	41 Xylene (Total)	106				468713	50.0000	170
	52 1,3-Dichlorobenzene	146	11.657	11.657	(1.294)	185391	50.0000	54
	53 1,4-Dichlorobenzene	146	11.762	11.762	(1.305)	212789	50.0000	55
	54 1,2-Dichlorobenzene	146	12.215	12.215	(1.356)	193512	50.0000	54
	55 1,2-Dibromo-3-chloropropane	75	13.155	13.155	(1.460)	18814	50.0000	49
	56 1,2,4-Trichlorobenzene	180	14.177	14.177	(1.574)	99430	50.0000	53

8/6/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9407.D

Date : 01-AUG-2007 14:00

Client ID: BFB5X

Instrument: v5.i

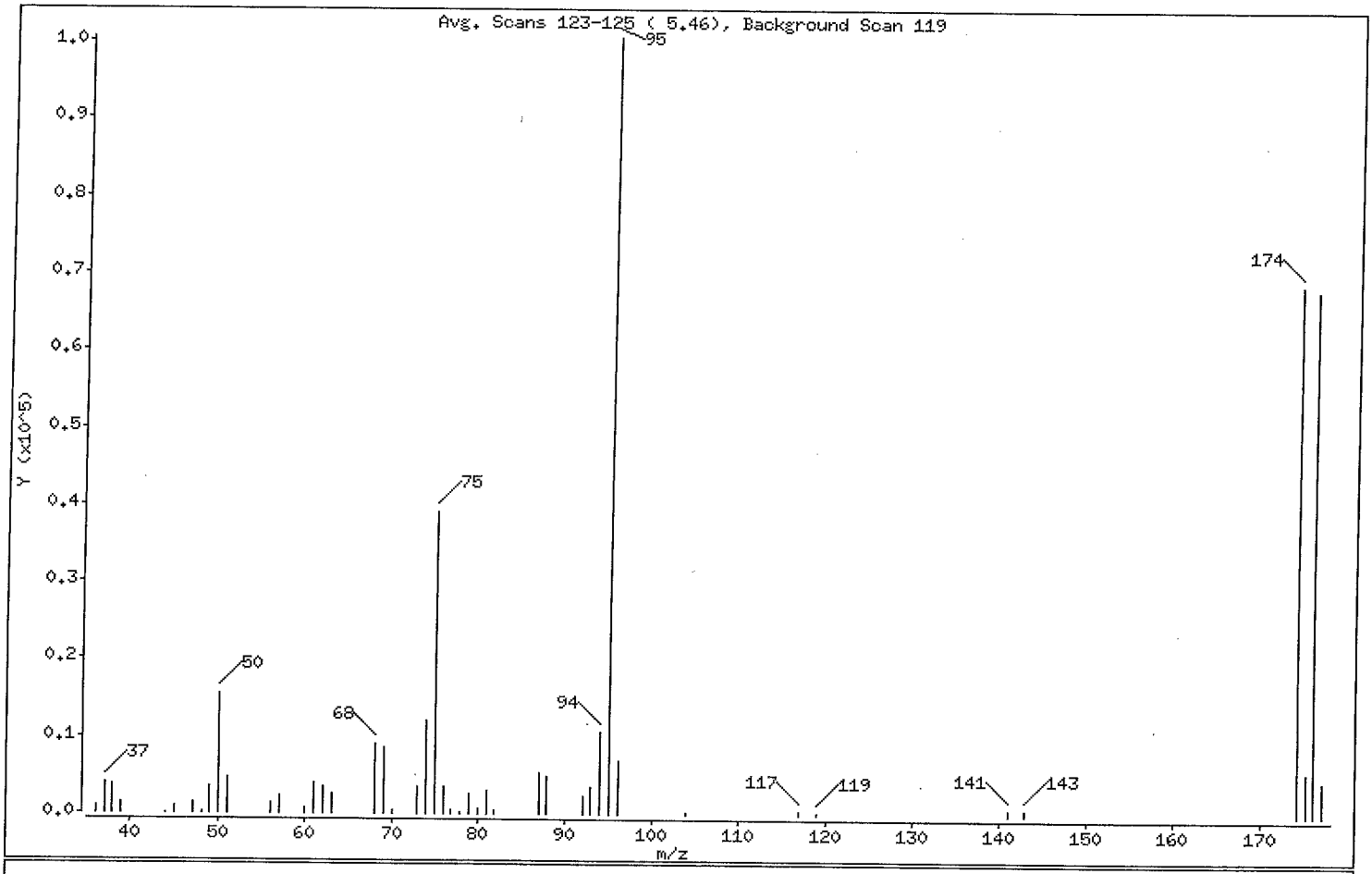
Sample Info: 2UL,BFB5X,BFB5X

Operator: HZA

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	15.35
75	30.00 - 66.00% of mass 95	38.92
96	5.00 - 9.00% of mass 95	6.93
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	68.19
175	4.00 - 9.00% of mass 174	5.62 (8.23)
176	93.00 - 101.00% of mass 174	67.64 (99.18)
177	5.00 - 9.00% of mass 176	4.33 (6.40)

Data File: \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9407.D

Date : 01-AUG-2007 14:00

Client ID: BFB5X

Instrument: v5.i

Sample Info: 2UL,BFB5X,BFB5X

Operator: HZA

Column phase: DB-624

Column diameter: 0.25

Data File: V5H9407.D

Spectrum: Avg. Scans 123-125 (5.46), Background Scan 119

Location of Maximum: 95.00

Number of points: 46

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1012	57.00	2312	77.00	532	96.00	6969
37.00	3990	60.00	670	78.00	181	104.00	215
38.00	3735	61.00	3834	79.00	2609	117.00	398
39.00	1325	62.00	3422	80.00	683	119.00	186
44.00	31	63.00	2567	81.00	2908	141.00	735
45.00	820	68.00	9074	82.00	387	143.00	768
47.00	1351	69.00	8517	87.00	5265	174.00	68544
48.00	211	70.00	521	88.00	4841	175.00	5644
49.00	3380	73.00	3381	92.00	2351	176.00	67984
50.00	15433	74.00	12032	93.00	3568	177.00	4349
51.00	4648	75.00	39120	94.00	10553		
56.00	1393	76.00	3517	95.00	100512		

Data File: \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9407.D

Date : 01-AUG-2007 14:00

Client ID: BFB5X

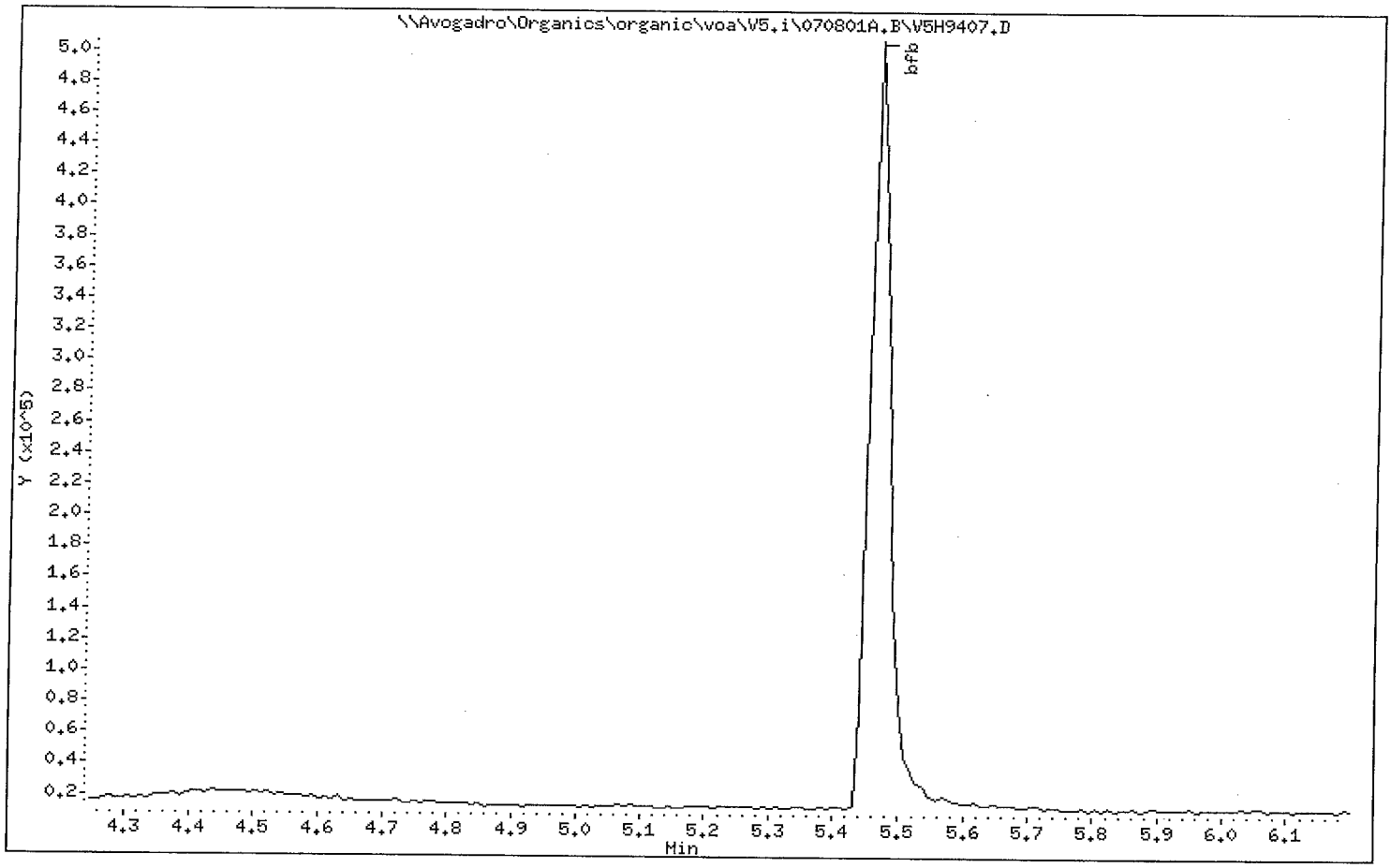
Instrument: v5.i

Sample Info: 2UL,BFB5X,BFB5X

Operator: HZA

Column phase: DB-624

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V5.i\070802.B\V5H9433.D

Date : 02-AUG-2007 09:11

Client ID: BFB5Y

Instrument: v5.i

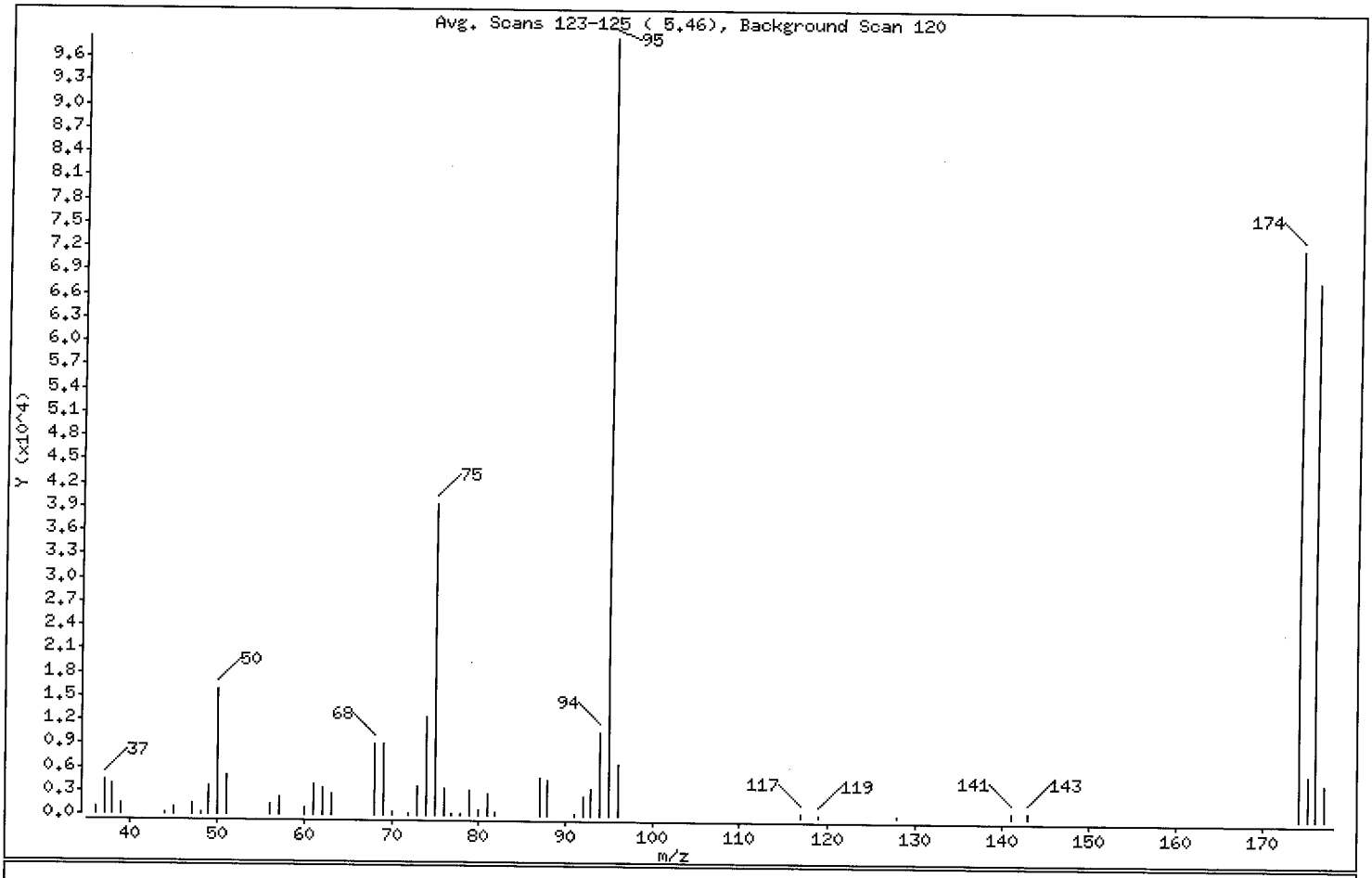
Sample Info: 2UL,BFB5Y,BFB5Y

Operator: HZA SRC: HZA

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	15.98
75	30.00 - 66.00% of mass 95	39.95
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	73.28
175	4.00 - 9.00% of mass 174	5.64 (7.70)
176	93.00 - 101.00% of mass 174	69.21 (94.44)
177	5.00 - 9.00% of mass 176	4.56 (6.59)

8/15/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\070802.B\V5H9433.D

Date : 02-AUG-2007 09:11

Client ID: BFB5Y

Instrument: v5.i

Sample Info: 2UL,BFB5Y,BFB5Y

Operator: HZA SRC: HZA

Column phase: DB-624

Column diameter: 0.25

Data File: V5H9433.D
Spectrum: Avg. Scans 123-125 (5.46), Background Scan 120
Location of Maximum: 95.00
Number of points: 48

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	964	60.00	907	78.00	252	117.00	407
37.00	4204	61.00	3843	79.00	3192	119.00	185
38.00	3782	62.00	3302	80.00	774	128.00	167
39.00	1417	63.00	2714	81.00	2722	141.00	668
44.00	149	68.00	9007	82.00	525	143.00	673
45.00	927	69.00	8980	87.00	4808	174.00	72192
47.00	1342	70.00	533	88.00	4548	175.00	5561
48.00	265	72.00	191	91.00	212	176.00	68176
49.00	3605	73.00	3514	92.00	2431	177.00	4490
50.00	15740	74.00	12477	93.00	3454		
51.00	5004	75.00	39360	94.00	10621		
56.00	1370	76.00	3384	95.00	98512		
57.00	2293	77.00	236	96.00	6598		

Data File: \\Avogadro\Organics\organic\voa\V5.i\070802.B\V5H9433.D

Date : 02-AUG-2007 09:11

Client ID: BFB5Y

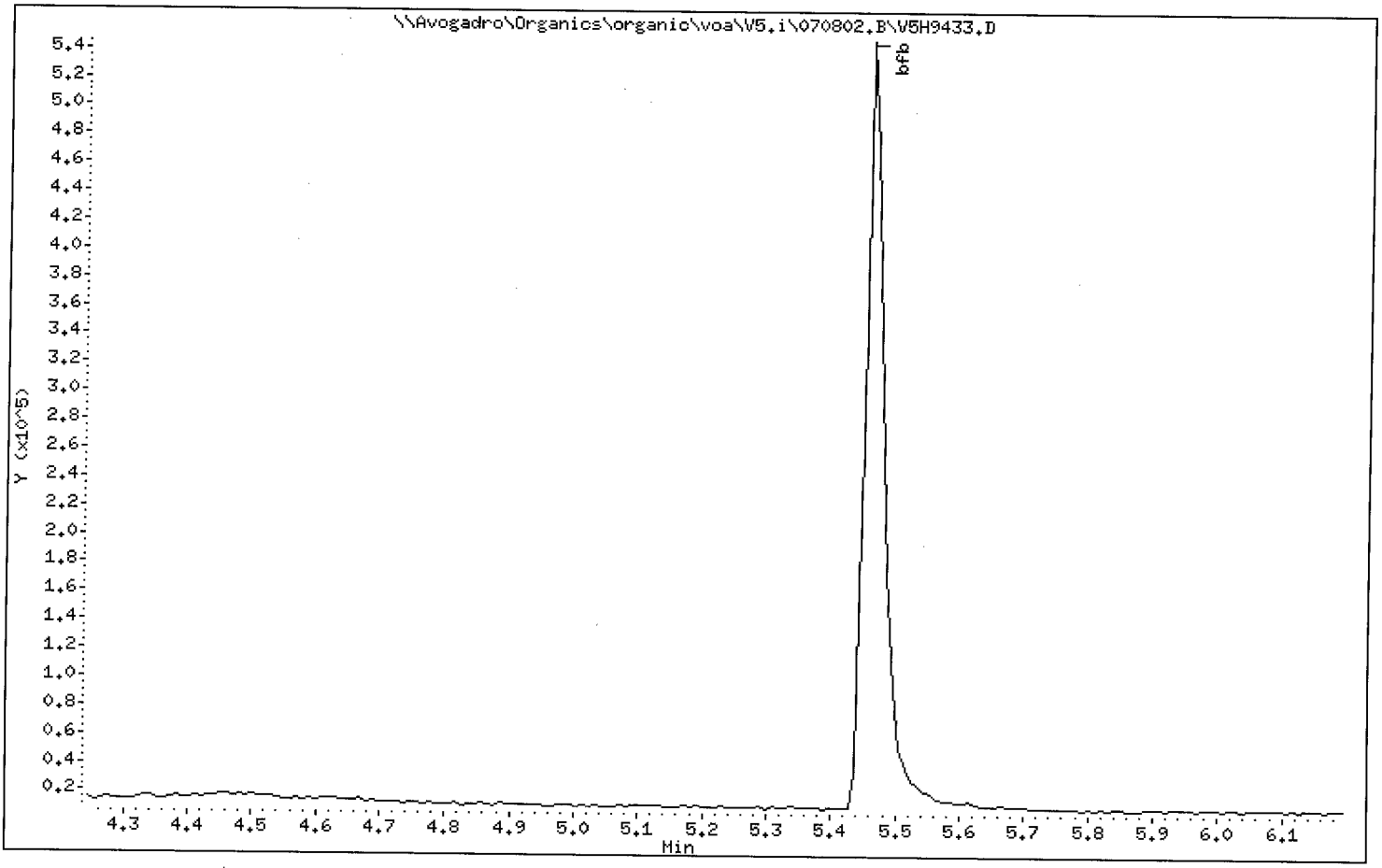
Instrument: v5.i

Sample Info: 2UL,BFB5Y,BFB5Y

Operator: HZA SRC: HZA

Column phase: DB-624

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9462.D

Date : 02-AUG-2007 23:02

Client ID: BFB5Z

Instrument: v5.i

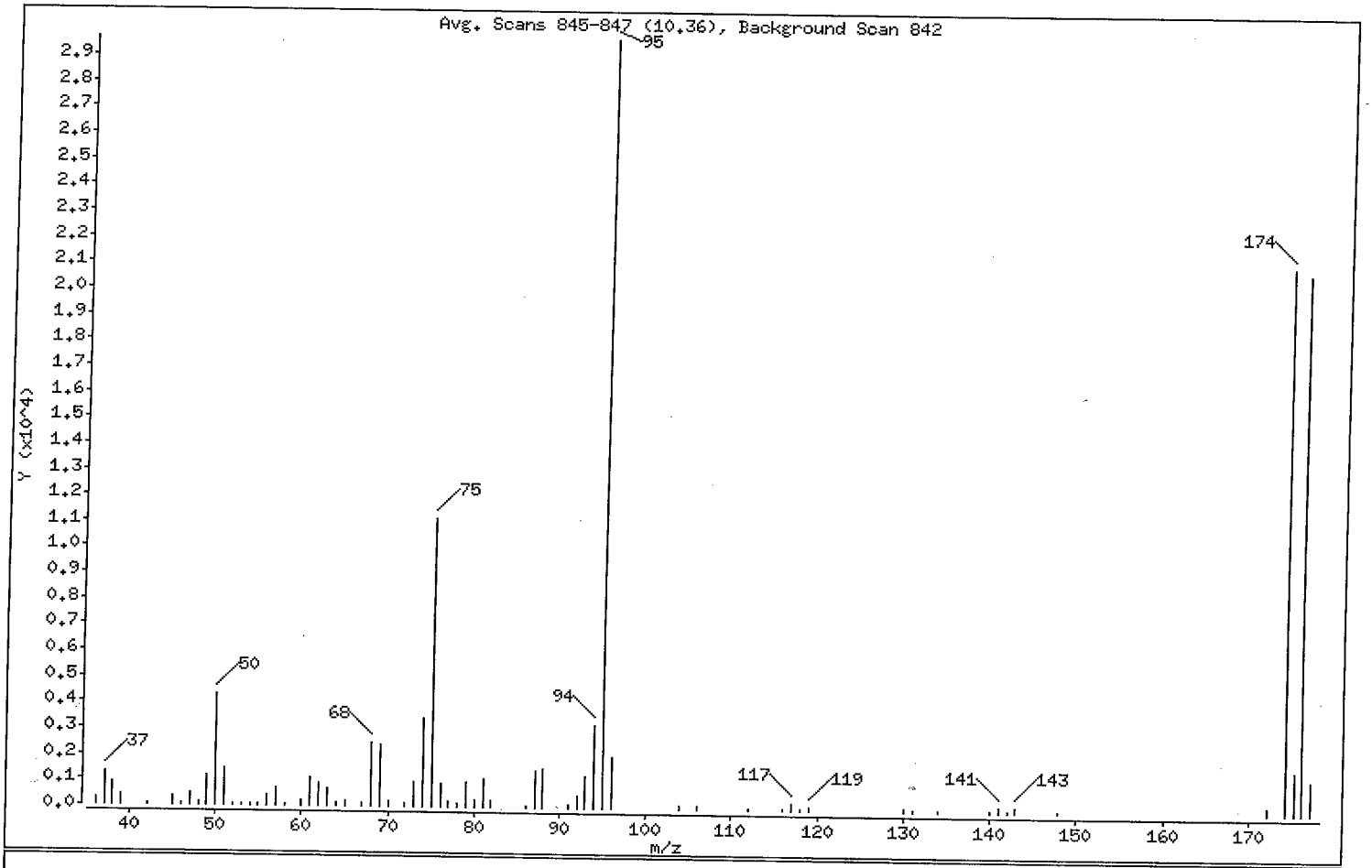
Sample Info: 2UL,BFB5Z,BFB5Z

Operator: HZA SRC: HZA

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.43
75	30.00 - 66.00% of mass 95	37.43
96	5.00 - 9.00% of mass 95	6.57
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	71.06
175	4.00 - 9.00% of mass 174	5.43 (7.64)
176	93.00 - 101.00% of mass 174	70.22 (98.82)
177	5.00 - 9.00% of mass 176	4.29 (6.12)

Data File: \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9462.D

Date : 02-AUG-2007 23:02

Client ID: BFB5Z

Instrument: v5.i

Sample Info: 2UL,BFB5Z,BFB5Z

Operator: HZA SRC: HZA

Column phase: DB-624

Column diameter: 0.25

Data File: V5H9462.D

Spectrum: Avg. Scans 845-847 (10.36), Background Scan 842

Location of Maximum: 95.00

Number of points: 69

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	298	58.00	36	79.00	935	118.00	79
37.00	1300	60.00	230	80.00	306	119.00	169
38.00	913	61.00	1090	81.00	1085	130.00	138
39.00	376	62.00	916	82.00	283	131.00	42
42.00	40	63.00	667	86.00	54	134.00	39
45.00	354	64.00	142	87.00	1415	140.00	60
46.00	79	65.00	190	88.00	1486	141.00	176
47.00	465	67.00	112	91.00	123	142.00	102
48.00	164	68.00	2438	92.00	511	143.00	233
49.00	1168	69.00	2395	93.00	1232	148.00	77
50.00	4284	70.00	213	94.00	3226	172.00	259
51.00	1433	72.00	160	95.00	29688	174.00	21096
52.00	54	73.00	961	96.00	1951	175.00	1611
53.00	35	74.00	3396	104.00	141	176.00	20848
54.00	73	75.00	11111	106.00	166	177.00	1275
55.00	80	76.00	908	112.00	42		
56.00	433	77.00	215	116.00	79		
57.00	666	78.00	156	117.00	263		

Data File: \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9462.D

Date : 02-AUG-2007 23:02

Client ID: BFB5Z

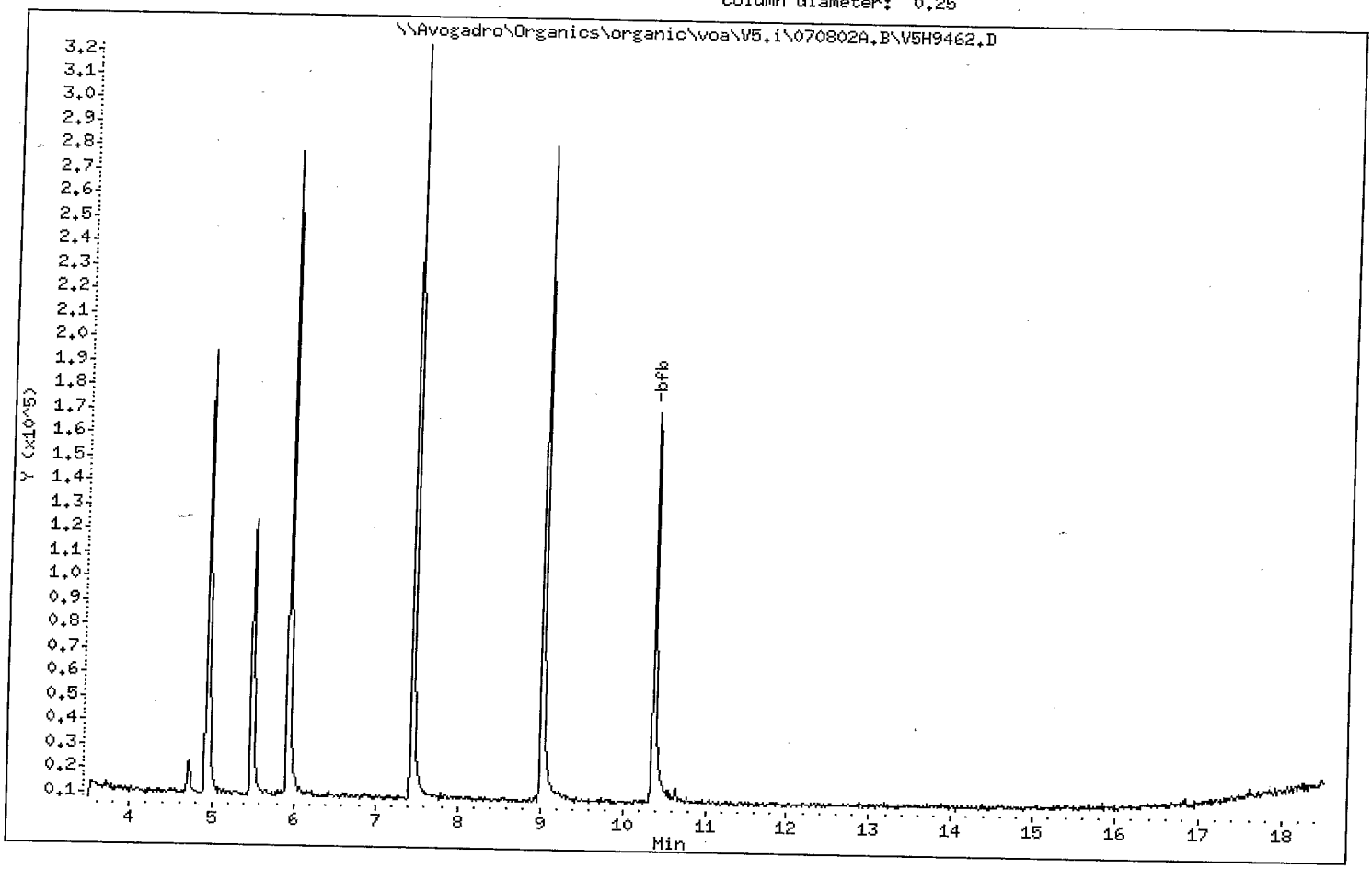
Instrument: v5.i

Sample Info: 2UL,BFB5Z,BFB5Z

Operator: HZA SRC: HZA

Column phase: DB-624

Column diameter: 0.25



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: MB-31493

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9414

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/01/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: MB-31493

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9414

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/01/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK5X

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: MB-31493

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9414

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/01/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
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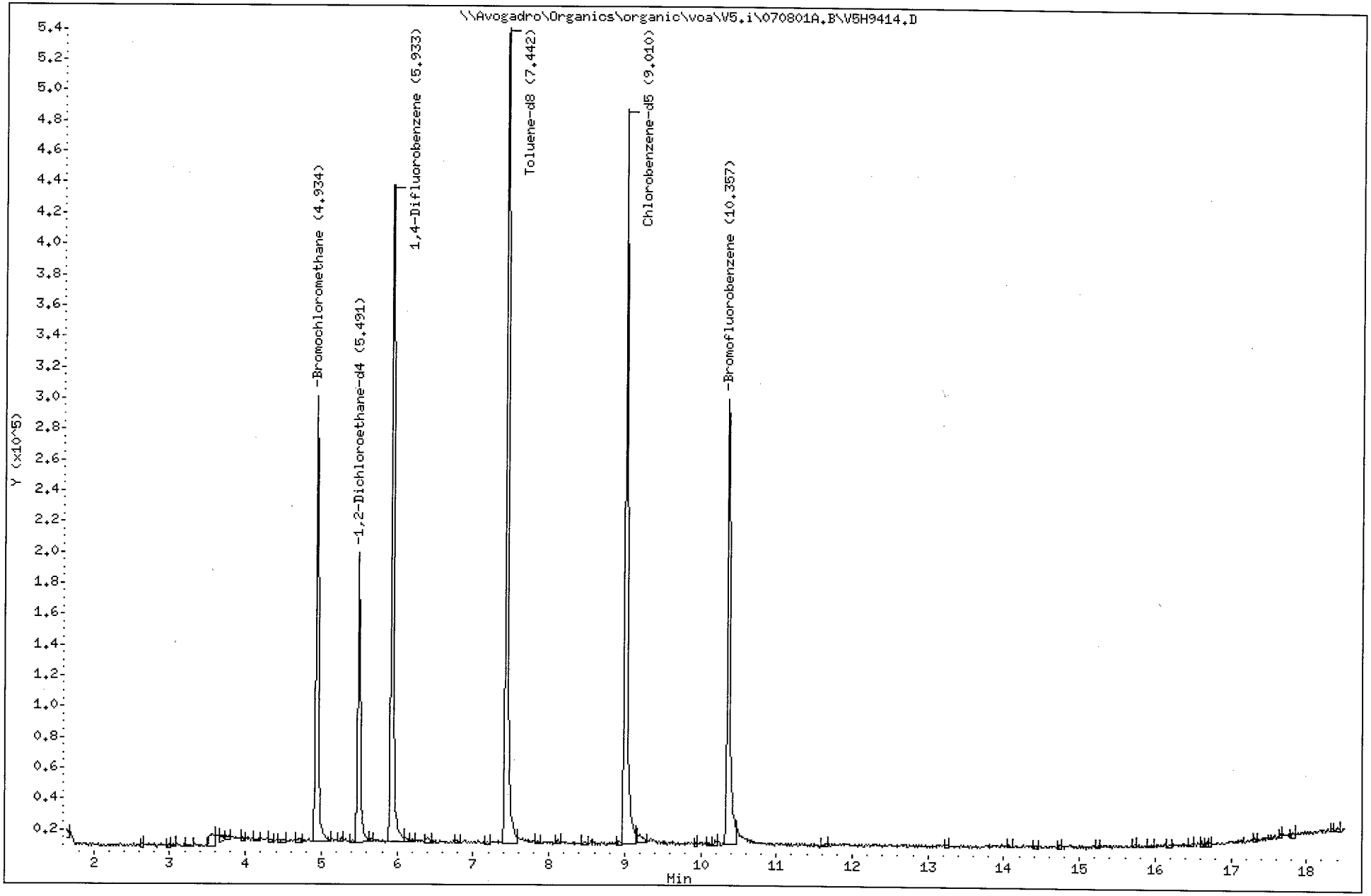
27.					
28.					
29.					
30.					

Data File: \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9414.D
Date : 01-AUG-2007 17:08
Client ID: VBLK5X
Sample Info: 5ML,MB-31493,VBLK5X,31493
Purge Volume: 5.0
Column phase: DB-624

Instrument: V5.i
Operator: HZA SRC: LIMS
Column diameter: 0.25



Data File: V5H9414.D
Report Date: 09-Aug-2007 20:17

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9414.D
Lab Smp Id: MB-31493 Client Smp ID: VBLK5X
Inj Date : 01-AUG-2007 17:08
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 5ML,MB-31493,VBLK5X,31493
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\v5clp4.m
Meth Date : 09-Aug-2007 16:05 V5.i Quant Type: ISTD
Cal Date : 01-AUG-2007 14:15 Cal File: V5H9408.D
Als bottle: 100 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Va	10.000	LCS Aliquot Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
* 18 Bromochloromethane	128	4.933	4.934	(1.000)	98294	50.0000	
$ 24 1,2-Dichloroethane-d4	65	5.491	5.492	(1.113)	135747	48.8355	49
* 27 1,4-Difluorobenzene	114	5.932	5.922	(1.000)	476121	50.0000	
$ 35 Toluene-d8	98	7.442	7.431	(0.826)	495627	48.6192	49
* 43 Chlorobenzene-d5	117	9.010	9.011	(1.000)	388718	50.0000	
$ 51 Bromofluorobenzene	95	10.357	10.358	(1.150)	182519	52.2689	52

8/8/07

Data File: V5H9414.D
Report Date: 09-Aug-2007 20:17

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9414.D
Lab Smp Id: MB-31493 Client Smp ID: VBLK5X
Inj Date : 01-AUG-2007 17:08
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 5ML,MB-31493,VBLK5X,31493
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\v5clp4.m
Meth Date : 09-Aug-2007 16:05 V5.i Quant Type: ISTD
Cal Date : 01-AUG-2007 14:15 Cal File: V5H9408.D
Als bottle: 100 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5Y

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: MB-31502

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9435

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/02/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	3	J
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5Y

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: MB-31502

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9435

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/02/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK5Y

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: MB-31502

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9435

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/02/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
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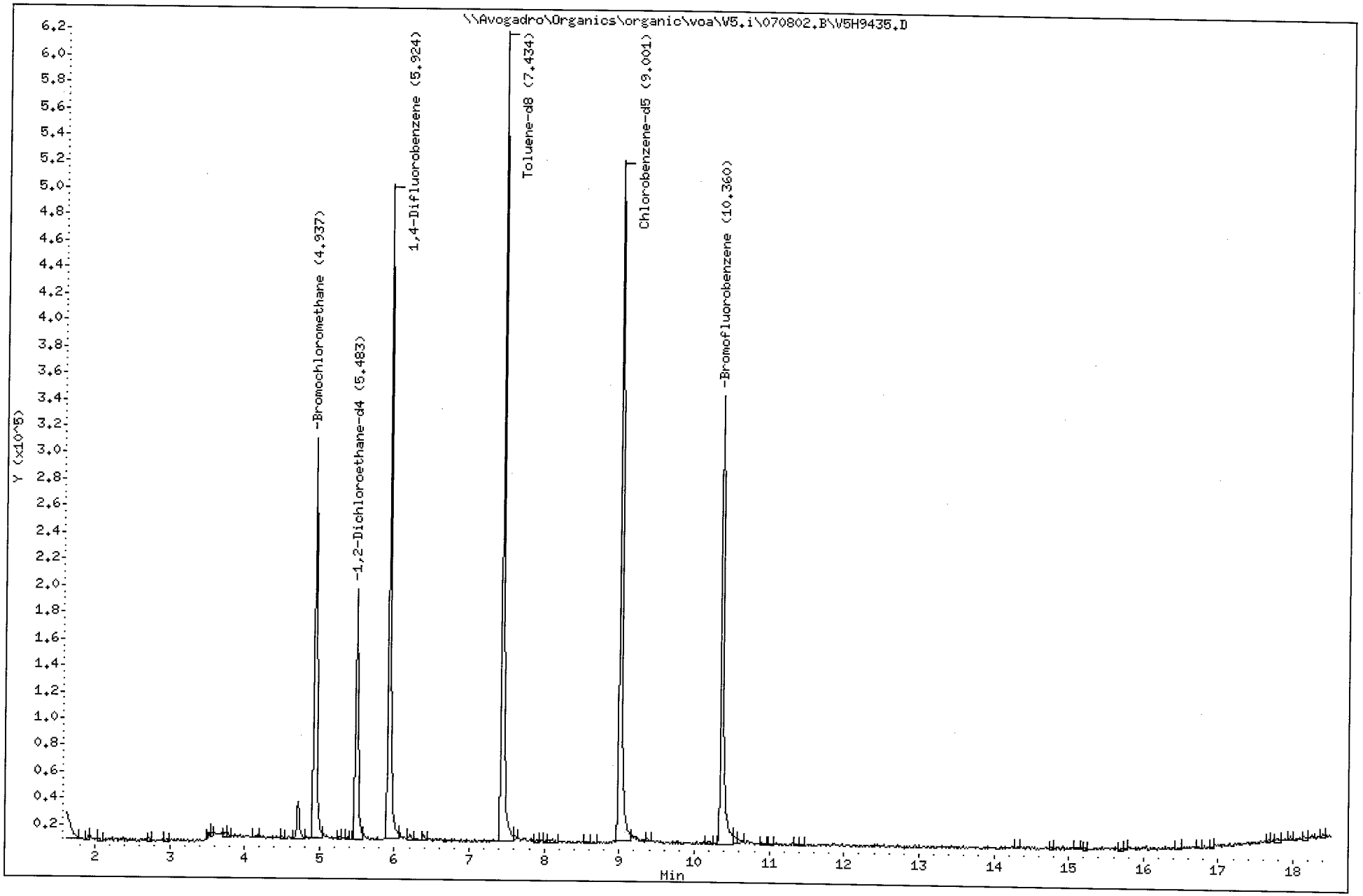
27.					
28.					
29.					
30.					

Data File: \\Avogadro\Organics\organic\voa\V5.i\070802.B\V5H9435.D
Date : 02-AUG-2007 10:02
Client ID: VBLK5Y
Sample Info: 5ML,MB-31502,VBLK5Y,31502
Purge Volume: 5.0
Column phase: DB-624

Instrument: V5.i

Operator: HZA SRC: LIMS
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V5.i\070802.B\V5H9435.D
Report Date: 15-Aug-2007 15:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070802.B\V5H9435.D
Lab Smp Id: MB-31502 Client Smp ID: VBLK5Y
Inj Date : 02-AUG-2007 10:02
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 5ML,MB-31502,VBLK5Y,31502
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070802.B\v5clp4.m
Meth Date : 15-Aug-2007 15:48 V5.i Quant Type: ISTD
Cal Date : 02-AUG-2007 09:33 Cal File: V5H9434.D
Als bottle: 100 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Va	10.000	LCS Aliquot Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)	
16 cis-1,2-Dichloroethene	96	4.716	4.707	(0.955)	16373	3.49042	3	(a)
* 18 Bromochloromethane	128	4.936	4.939	(1.000)	107093	50.0000		
$ 24 1,2-Dichloroethane-d4	65	5.482	5.485	(1.111)	145273	50.7397	51	
* 27 1,4-Difluorobenzene	114	5.923	5.926	(1.000)	499552	50.0000		
$ 35 Toluene-d8	98	7.433	7.436	(0.826)	529270	51.2478	51	
* 43 Chlorobenzene-d5	117	9.001	9.004	(1.000)	420315	50.0000		
$ 51 Bromofluorobenzene	95	10.360	10.362	(1.151)	189335	46.2913	46	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

DJ 8/14/07

K

Data File: \\Avogadro\Organics\organic\voa\V5.i\070802.B\V5H9435.D
Report Date: 15-Aug-2007 15:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070802.B\V5H9435.D
Lab Smp Id: MB-31502 Client Smp ID: VBLK5Y
Inj Date : 02-AUG-2007 10:02
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 5ML,MB-31502,VBLK5Y,31502
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070802.B\v5clp4.m
Meth Date : 15-Aug-2007 15:48 V5.i Quant Type: ISTD
Cal Date : 02-AUG-2007 09:33 Cal File: V5H9434.D
Als bottle: 100 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Avogadro\Organics\organic\voa\V5.i\070802.B\V5H9435.D

Date : 02-AUG-2007 10:02

Client ID: VBLK5Y

Instrument: V5.i

Sample Info: 5ML,MB-31502,VBLK5Y,31502

Purge Volume: 5.0

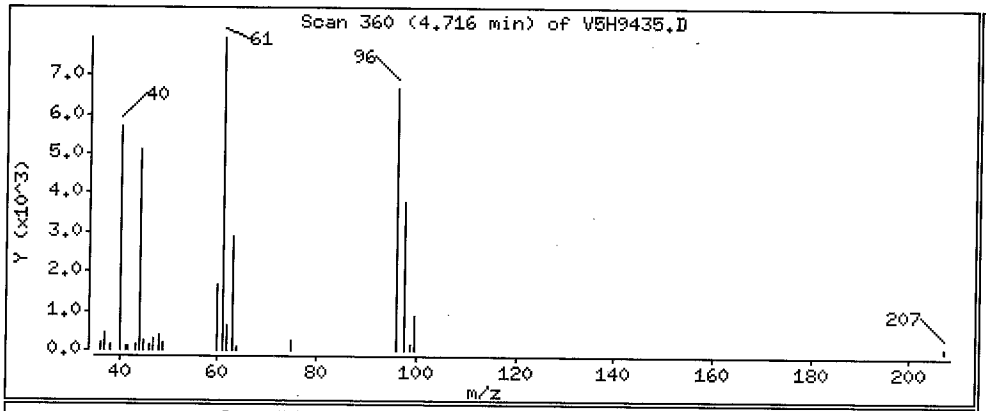
Operator: HZA SRC: LIMS

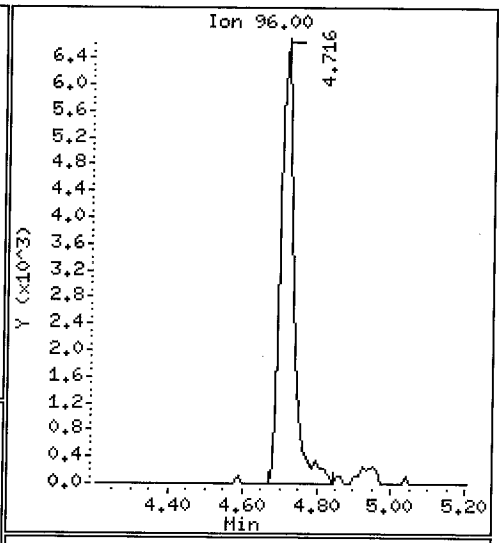
Column phase: DB-624

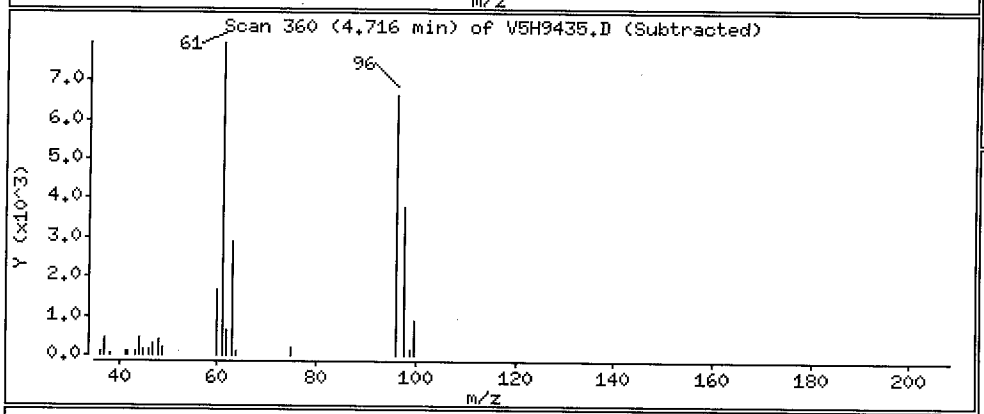
Column diameter: 0.25

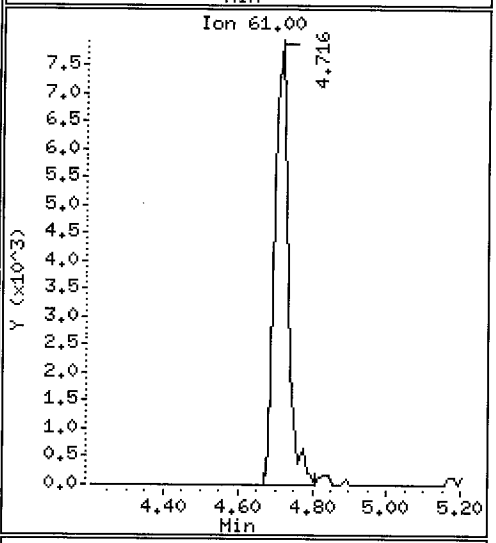
16 cis-1,2-Dichloroethene

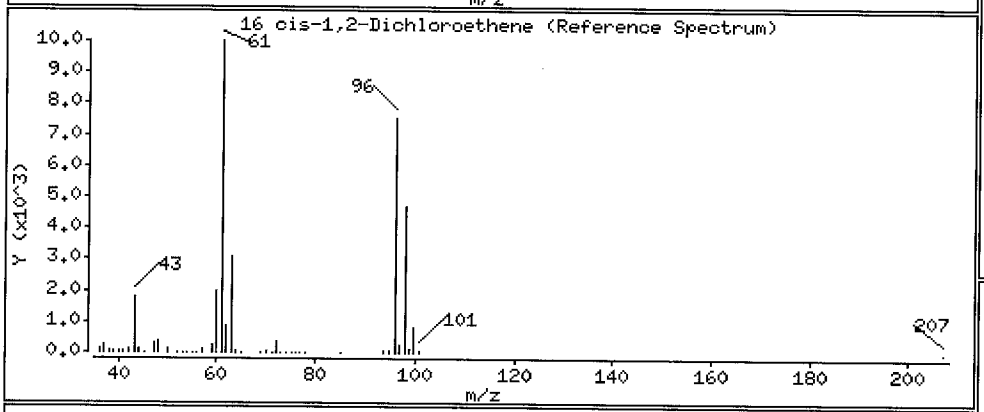
Concentration: 3 ug/L

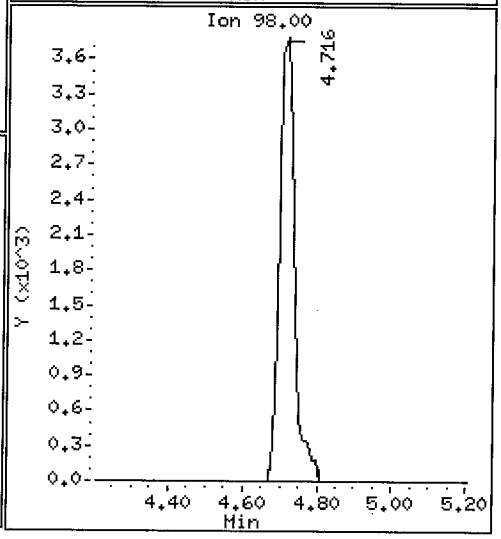


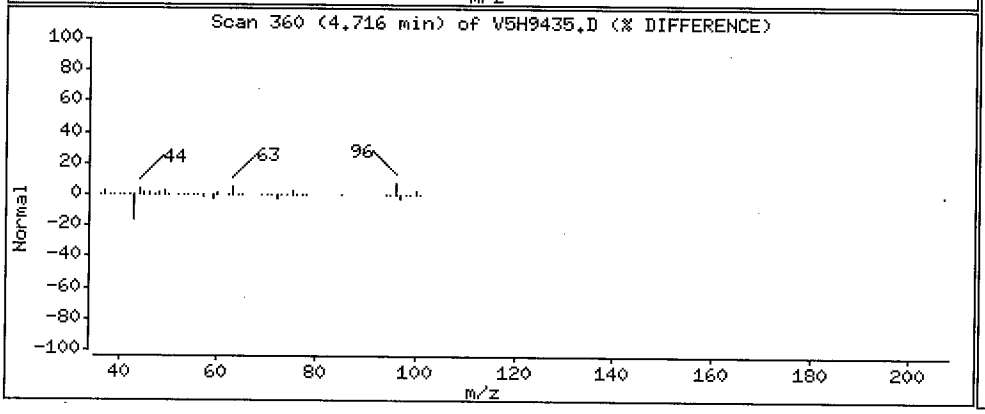












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKA5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) SOIL Lab Sample ID: MB-31518

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5H9469

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/03/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKA5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) SOIL Lab Sample ID: MB-31518

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5H9469

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/03/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKA5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) SOIL Lab Sample ID: MB-31518

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5H9469

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/03/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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22.					
23.					
24.					
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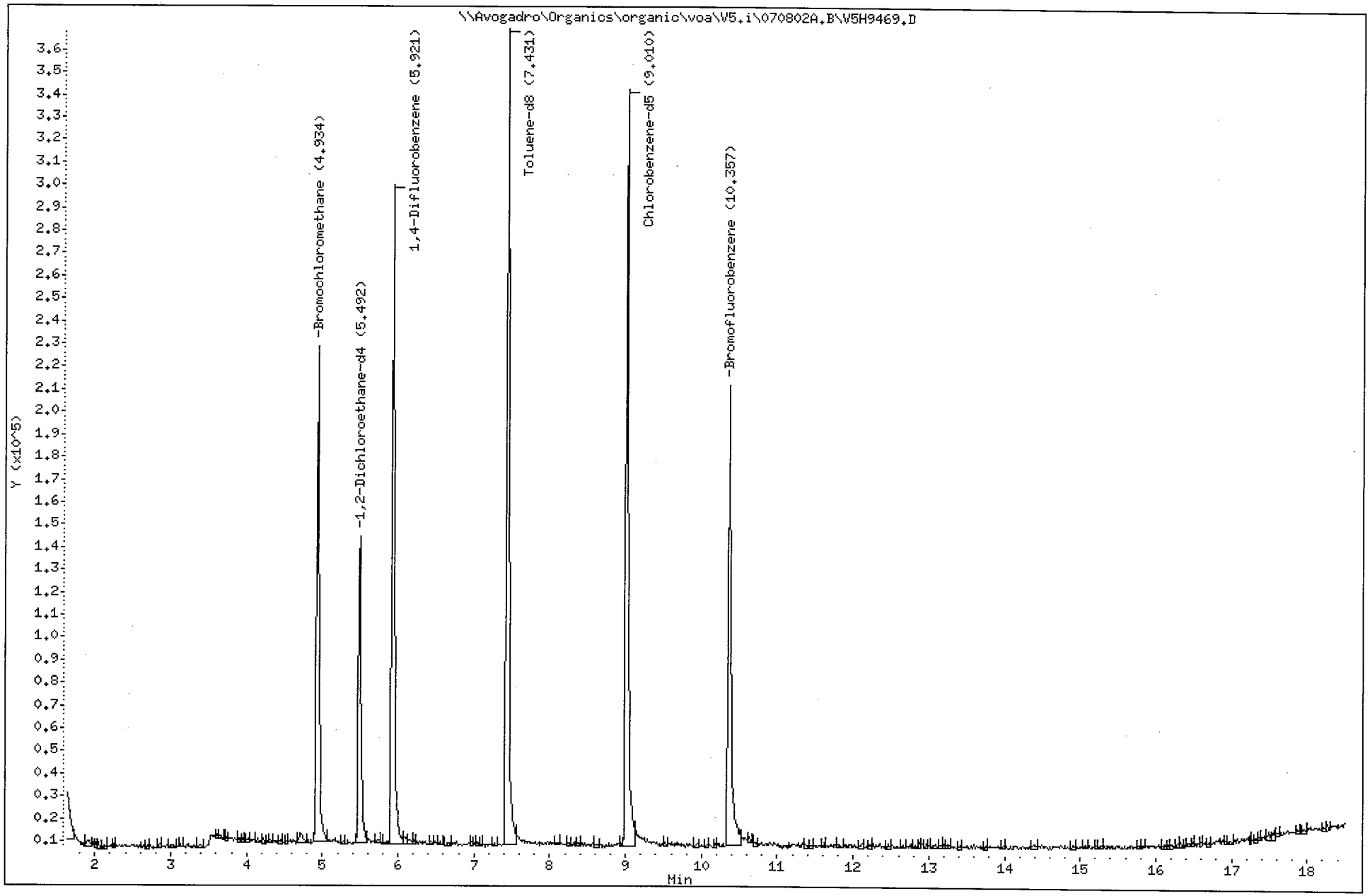
26.					
27.					
28.					
29.					
30.					

Data File: \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9469.D
Date : 03-AUG-2007 03:03
Client ID: VBLKA5
Instrument: V5.i
Sample Info: 5G,MB-31518,VBLKA5,31518
Operator: HZA SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



12159

Data File: V5H9469.D
Report Date: 16-Aug-2007 16:29

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9469.D
Lab Smp Id: MB-31518 Client Smp ID: VBLKA5
Inj Date : 03-AUG-2007 03:03
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 5G,MB-31518,VBLKA5,31518
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\v5clp4h.m
Meth Date : 06-Aug-2007 12:30 sbotvin Quant Type: ISTD
Cal Date : 02-AUG-2007 23:32 Cal File: V5H9463.D
Als bottle: 100 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14
Processing Host: TARGET110

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
* 18 Bromochloromethane	128	4.934	4.933	(1.000)	77735	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.491	5.491	(1.113)	106668	50.8238	51
* 26 1,4-Difluorobenzene	114	5.921	5.921	(1.000)	310678	50.0000	
$ 33 Toluene-d8	98	7.430	7.430	(0.825)	340075	52.4036	52
* 42 Chlorobenzene-d5	117	9.010	9.010	(1.000)	277181	50.0000	
$ 50 Bromofluorobenzene	95	10.357	10.357	(1.150)	125543	48.7164	49

DJ
8/16/07

Data File: V5H9469.D
Report Date: 09-Aug-2007 20:16

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9469.D
Lab Smp Id: MB-31518 Client Smp ID: VBLKA5
Inj Date : 03-AUG-2007 03:03
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 5G,MB-31518,VBLKA5,31518
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\v5clp4h.m
Meth Date : 06-Aug-2007 12:30 sbotvin Quant Type: ISTD
Cal Date : 03-AUG-2007 02:33 Cal File: V5H9468.D
Als bottle: 100 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5Y

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: VHBLK5Y

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9443

Level: (low/med) LOW Date Received: 07/30/07

% Moisture: not dec. _____ Date Analyzed: 08/02/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5Y

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: VHBLK5Y

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9443

Level: (low/med) LOW Date Received: 07/30/07

% Moisture: not dec. _____ Date Analyzed: 08/02/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VHBLK5Y

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: VHBLK5Y

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9443

Level: (low/med) LOW Date Received: 07/30/07

% Moisture: not dec. _____ Date Analyzed: 08/02/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
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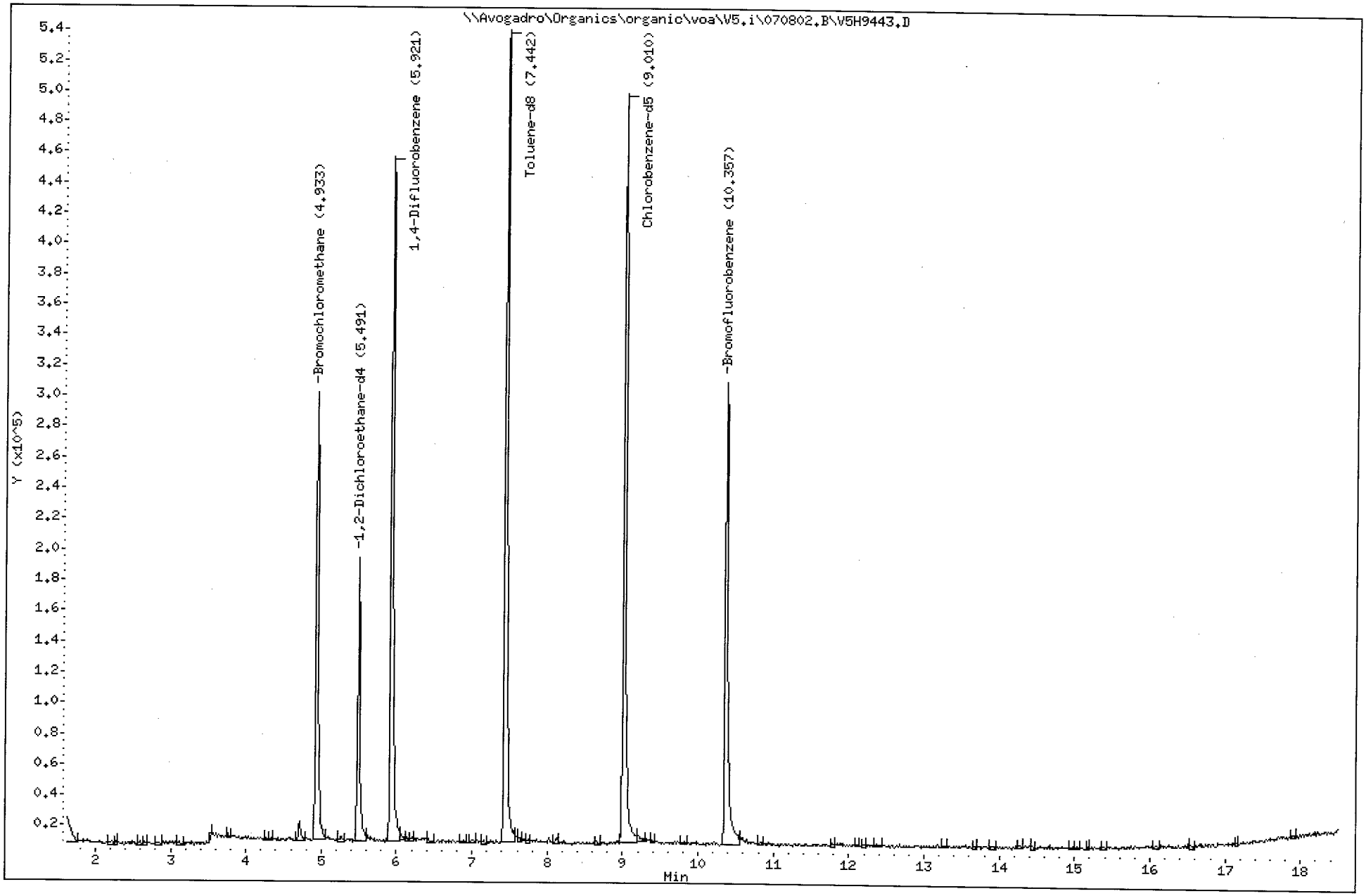
26.					
27.					
28.					
29.					
30.					

Data File: \\Avogadro\Organics\organic\voa\V5.i\070802.B\V5H9443.D
Date : 02-AUG-2007 13:54
Client ID: VHBLK5Y
Sample Info: 5ML,VHBLK5Y,VHBLK5Y,31502
Purge Volume: 5.0
Column phase: DB-624

Instrument: V5.i

Operator: HZA SRC: HZA
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V5.i\070802.B\V5H9443.D
Report Date: 15-Aug-2007 15:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070802.B\V5H9443.D
Lab Smp Id: VHBLK5Y Client Smp ID: VHBLK5Y
Inj Date : 02-AUG-2007 13:54
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5ML,VHBLK5Y,VHBLK5Y,31502
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070802.B\v5clp4.m
Meth Date : 15-Aug-2007 15:48 V5.i Quant Type: ISTD
Cal Date : 02-AUG-2007 09:33 Cal File: V5H9434.D
Als bottle: 100 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Va	10.000	LCS Aliquot Volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 18 Bromochloromethane	128	4.933	4.939	(1.000)	99615	50.0000	
$ 24 1,2-Dichloroethane-d4	65	5.490	5.485	(1.113)	134670	50.5674	51
* 27 1,4-Difluorobenzene	114	5.920	5.926	(1.000)	479336	50.0000	
$ 35 Toluene-d8	98	7.441	7.436	(0.826)	488965	49.8413	50
* 43 Chlorobenzene-d5	117	9.009	9.004	(1.000)	399265	50.0000	
$ 51 Bromofluorobenzene	95	10.356	10.362	(1.150)	179616	46.2303	46

DF
8/15/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\070802.B\V5H9443.D
Report Date: 15-Aug-2007 15:48

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070802.B\V5H9443.D
Lab Smp Id: VHBLK5Y Client Smp ID: VHBLK5Y
Inj Date : 02-AUG-2007 13:54
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5ML,VHBLK5Y,VHBLK5Y,31502
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070802.B\v5clp4.m
Meth Date : 15-Aug-2007 15:48 V5.i Quant Type: ISTD
Cal Date : 02-AUG-2007 09:33 Cal File: V5H9434.D
Als bottle: 100 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKA5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) SOIL Lab Sample ID: VHBLKA5

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5H9479

Level: (low/med) LOW Date Received: 07/26/07

% Moisture: not dec. _____ Date Analyzed: 08/03/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKA5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) SOIL Lab Sample ID: VHBLKA5

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5H9479

Level: (low/med) LOW Date Received: 07/26/07

% Moisture: not dec. _____ Date Analyzed: 08/03/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLKA5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) SOIL Lab Sample ID: VHBLKA5

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5H9479

Level: (low/med) LOW Date Received: 07/26/07

% Moisture: not dec. _____ Date Analyzed: 08/03/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

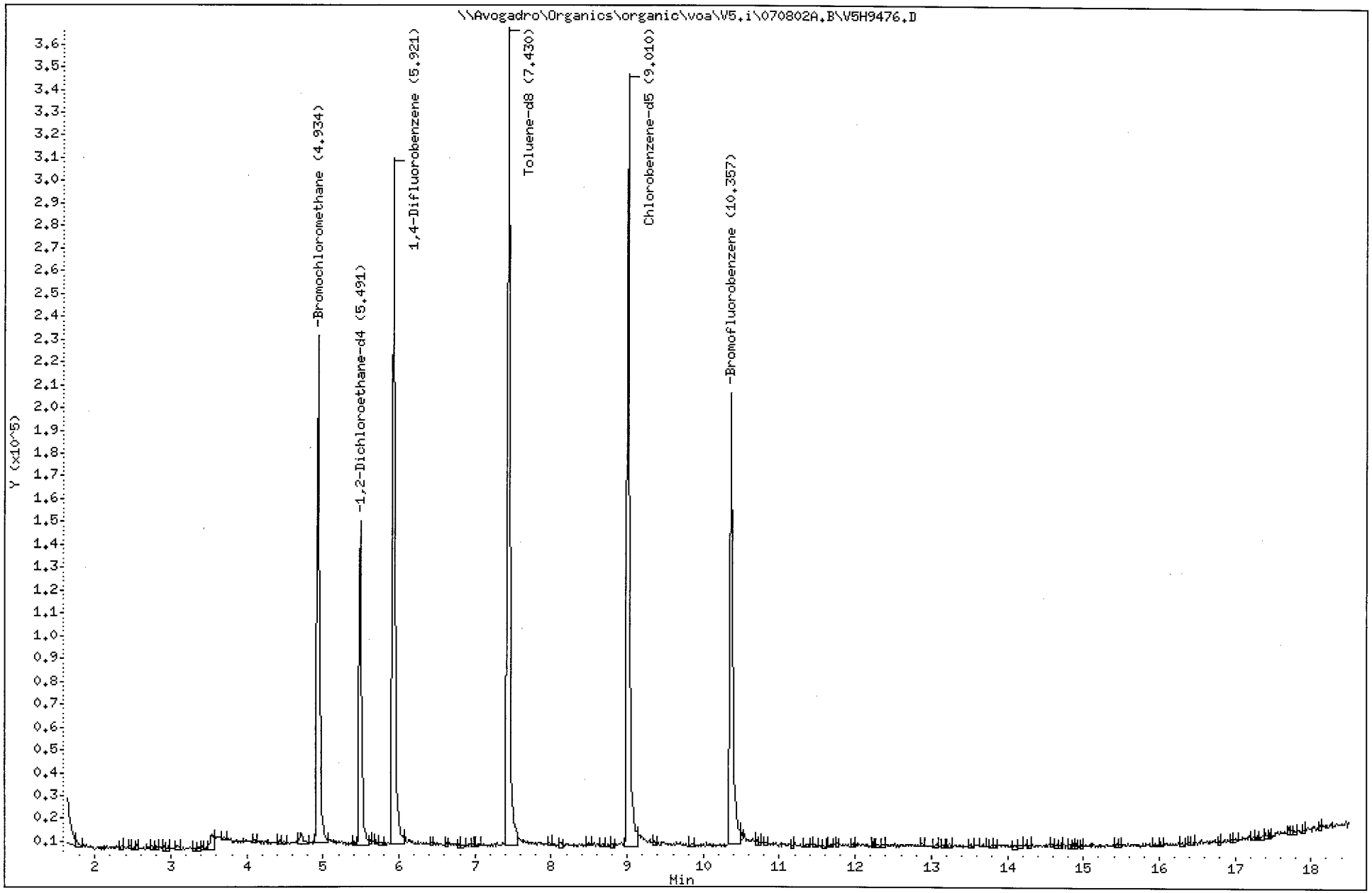
Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9476.D
Date : 03-AUG-2007 06:32
Client ID: VHBLKA5
Instrument: V5.i
Sample Info: 5G,VHBLKA5,VHBLKA5,31518
Operator: HZA SRC: HZA
Column phase: DB-624
Column diameter: 0.25



Data File: V5H9476.D
Report Date: 16-Aug-2007 16:30

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9476.D
Lab Smp Id: VHBLKA5 Client Smp ID: VHBLKA5
Inj Date : 03-AUG-2007 06:32
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5G,VHBLKA5,VHBLKA5,31518
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\v5clp4h.m
Meth Date : 06-Aug-2007 12:30 sbotvin Quant Type: ISTD
Cal Date : 02-AUG-2007 23:32 Cal File: V5H9463.D
Als bottle: 100 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14
Processing Host: TARGET110

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
* 18 Bromochloromethane	128	4.933	4.933	(1.000)	80437	50.0000	
$ 23 1,2-Dichloroethane-d4	65	5.490	5.491	(1.113)	108315	49.8750	50
* 26 1,4-Difluorobenzene	114	5.920	5.921	(1.000)	318189	50.0000	
$ 33 Toluene-d8	98	7.441	7.430	(0.826)	339493	50.9658	51
* 42 Chlorobenzene-d5	117	9.009	9.010	(1.000)	284513	50.0000	
$ 50 Bromofluorobenzene	95	10.356	10.357	(1.150)	122306	46.2373	46

8116107

Data File: V5H9476.D
Report Date: 09-Aug-2007 20:16

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9476.D
Lab Smp Id: VHBLKA5 Client Smp ID: VHBLKA5
Inj Date : 03-AUG-2007 06:32
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5G,VHBLKA5,VHBLKA5,31518
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\v5clp4h.m
Meth Date : 06-Aug-2007 12:30 sbotvin Quant Type: ISTD
Cal Date : 03-AUG-2007 02:33 Cal File: V5H9468.D
Als bottle: 100 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5XLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: LCS-31493

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9415

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/01/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	51	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	50	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5XLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: LCS-31493

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9415

Level: (low/med) LOW Date Received: _____

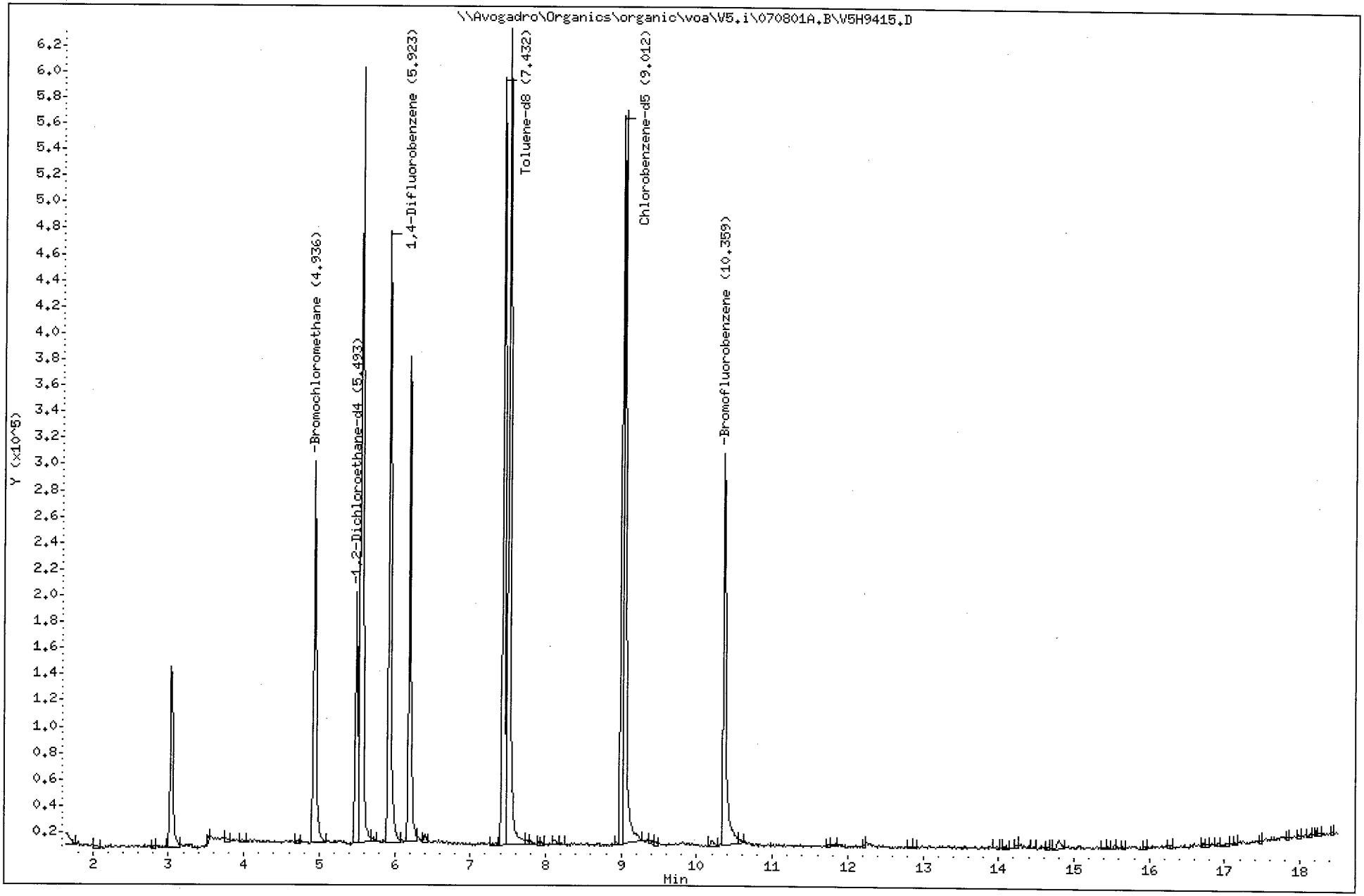
% Moisture: not dec. _____ Date Analyzed: 08/01/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	48	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	48	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	47	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

Data File: \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9415.D
Date : 01-AUG-2007 18:38
Client ID: V5XLCS
Instrument: V5.i
Sample Info: 5ML,LCS-31493,V5XLCS,31493
Purge Volume: 5.0
Operator: HZA SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: V5H9415.D
Report Date: 07-Aug-2007 10:52

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\V5H9415.D
Lab Smp Id: LCS-31493 Client Smp ID: V5XLCS
Inj Date : 01-AUG-2007 18:38
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 5ML,LCS-31493,V5XLCS,31493
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070801A.B\v5clp4.m
Meth Date : 06-Aug-2007 12:19 sbotvin Quant Type: ISTD
Cal Date : 01-AUG-2007 14:15 Cal File: V5H9408.D
Als bottle: 100 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Va	10.000	LCS Aliquot Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	7 1,1-Dichloroethene	96	3.042	3.041	(0.616)	57408	50.6647	51
*	18 Bromochloromethane	128	4.935	4.934	(1.000)	97589	50.0000	
$	24 1,2-Dichloroethane-d4	65	5.492	5.492	(1.113)	134637	48.7860	49
	25 Benzene	78	5.551	5.550	(0.937)	645144	49.6402	50
*	27 1,4-Difluorobenzene	114	5.922	5.922	(1.000)	476538	50.0000	
	28 Trichloroethene	130	6.189	6.189	(1.045)	156834	47.7578	48
$	35 Toluene-d8	98	7.432	7.431	(0.825)	480178	48.1680	48
	36 Toluene	91	7.502	7.501	(0.832)	600207	47.6069	48
*	43 Chlorobenzene-d5	117	9.011	9.011	(1.000)	380129	50.0000	
	44 Chlorobenzene	112	9.034	9.034	(1.003)	372774	46.9445	47
$	51 Bromofluorobenzene	95	10.358	10.358	(1.149)	186943	54.7455	55

DJ
8/8/07

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VA5LCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) SOIL Lab Sample ID: LCS-31518

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5H9470

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/03/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	51	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	53	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VA5LCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) SOIL Lab Sample ID: LCS-31518

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5H9470

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 08/03/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

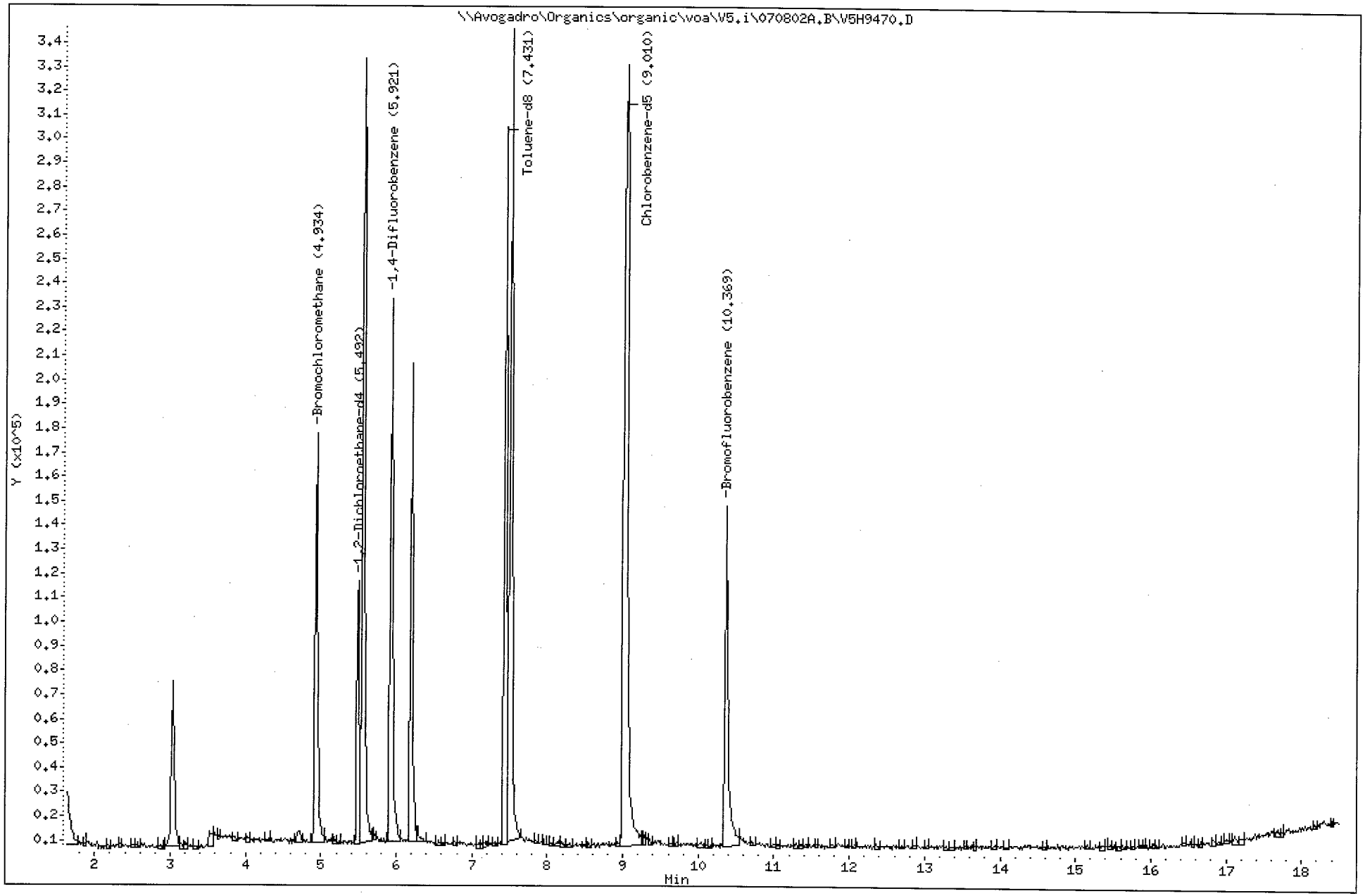
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	50	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	51	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	53	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

Data File: \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9470.D
Date : 03-AUG-2007 03:33
Client ID: VA5LCS
Sample Info: 5G,LCS-31518,VA5LCS,31518

Instrument: V5.i

Operator: HZA SRC: LIMS
Column diameter: 0.25

Column phase: DB-624



Data File: V5H9470.D
Report Date: 08-Aug-2007 14:41

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\V5H9470.D
Lab Smp Id: LCS-31518 Client Smp ID: VA5LCS
Inj Date : 03-AUG-2007 03:33
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 5G,LCS-31518,VA5LCS,31518
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070802A.B\v5clp4h.m
Meth Date : 06-Aug-2007 12:30 sbotvin Quant Type: ISTD
Cal Date : 02-AUG-2007 23:32 Cal File: V5H9463.D
Als bottle: 100 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14
Processing Host: TARGET104

Concentration Formula: Amt * DF * Uf * 5/(Ws * (100 - M)/100) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.000	Aliquot of methanol (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
7	1,1-Dichloroethene	96	3.029	3.029	(0.614)	31381	51.4217	51
* 18	Bromochloromethane	128	4.934	4.933	(1.000)	59793	50.0000	
$ 23	1,2-Dichloroethane-d4	65	5.491	5.491	(1.113)	81369	50.4032	50
25	Benzene	78	5.549	5.549	(0.937)	369353	53.3249	53
* 26	1,4-Difluorobenzene	114	5.921	5.921	(1.000)	250622	50.0000	
27	Trichloroethene	130	6.188	6.199	(1.045)	88029	49.9399	50
$ 33	Toluene-d8	98	7.430	7.430	(0.825)	258418	51.6370	52
34	Toluene	91	7.500	7.500	(0.832)	333068	51.3309	51
* 42	Chlorobenzene-d5	117	9.010	9.010	(1.000)	213753	50.0000	
43	Chlorobenzene	112	9.033	9.033	(1.003)	230695	53.1342	53
$ 50	Bromofluorobenzene	95	10.369	10.357	(1.151)	92785	46.6887	47

8/16/07

Mitkem Corporation
Volatiles Laboratory

Instrument V5 Injection Log

METHOD: OLM_W
ICAL DATE: 08/01/07

ANALYST: WL
EMV:

BATCH: 070801A.B

Start: 01-AUG-07 14:00
End: 02-AUG-07 02:42

Comments:

I5-VW070801A
SS-VW070801B
STP-VW070801C
LCS-VW070801D

Reviewed By: SB 8/3/07

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	BN	INTERNAL STDS BCM	INTERNAL STDS DFB	INTERNAL STDS CBZ	SURROGATES DCE	SURROGATES TOL	SURROGATES BFB	DILN	FLG	COMMENTS	pH
V5H9407	14:00	BFB5X	BFB5X		AQ											
V5H9408	14:15	VSTD0505X	VSTD0505X		AQ		100	100	100				1		ok	
V5H9409	14:44	VSTD0205X	VSTD0205X		AQ		108	109	108				1		ok	
V5H9410	15:13	VSTD0105X	VSTD0105X		AQ		103	104	98				1		ok	
V5H9411	15:41	VSTD2005X	VSTD2005X		AQ		105	108	104				1		ok	OLM-AG ICAL
V5H9412	16:10	VSTD1005X	VSTD1005X		AQ		105	104	106				1		ok	
V5H9414	17:08	MB-31493	VBLK5X	31493	AQ		115	111	112	98	97	104	1		ok	
V5H9415	18:38	LCS-31493	V5XLCS	31493	AQ		114	111	110	98	96	109	1		ok	
V5H9415A	19:07	F1048-01A	AS-1	31493	AQ	1	125	123	126	98	95	103	1		ok	
V5H9415B	19:35	F1048-02A	EW-1	31493	AQ	1	115	109	113	97	96	103	1		ok	
V5H9416	20:04	F1025-02D	RB	31493	AQ	1	119	116	118	100	95	100	1		ok	
V5H9417	20:32	F1025-03A	TB06	31493	AQ	1	113	110	113	98	95	101	1		ok	
V5H9418	21:01	F1016-01A	276MW1-6	31493	AQ	1	113	108	109	95	98	104	1		ok	
V5H9419	21:29	F1016-02A	277FB	31493	AQ	1	114	110	109	94	96	101	1		ok	
V5H9420	21:58	F1016-03A	278MW1-7	31493	AQ	1	111	105	109	96	93	97	1	E	RRx4, cir-PCE=320	
V5H9421	22:26	F1016-03AMS	278MW1-7MS	31493	AQ	2	104	96	99	97	95	100	1	E	ok	
V5H9422	22:55	F1016-03AMSD	278MW1-7MSD	31493	AQ	3	106	100	101	96	99	104	1	E	ok	
V5H9423	23:23	F1016-04A	279MW1-22	31493	AQ	1	101	101	104	104	94	103	1	E	cir-PCE=647, RRx200	
V5H9424	23:51	F1016-05A	280MW1-8	31493	AQ	1	86	97	101	120*	95	108	1	E	cir-PCE=15K, RRx1000	
V5H9425	00:19	F1016-06A	281MW1-11	31493	AQ	1	88	96	102	114*	92	108	1	E	cir-PCE=19K, RRx1000	
V5H9426	00:48	F1016-07A	282TB	31493	AQ	1	120	117	117	98	96	99	1	E	RRx1	
V5H9427	01:16	F1044-01A	TRIP BLANK	31493	AQ	1	117	114	111	97	98	99	1		RRx1	
V5H9429	01:45	F1044-03A	J-0-1	31493	AQ	1	114	107	104	94	101	106	1		RRx1	carry over
V5H9430	02:13	F1044-04A	J-12-3	31493	AQ	1	112	109	110	95	98	105	1	T	RRx1	
V5H9431	02:42	F1044-05A	J-12-2	31493	AQ	1	110	107	110	98	95	99	1	T	RRx1	

E - One or more target compounds are above the calibration range - (flagged by L5 ICAL area if SOM1.0)
R - One or more spike compounds are outside of control limits
T - Sample was injected outside of the 12 hour sequence
* - Internal Standard or Surrogate outside of control limit
D - Surrogates are diluted

WL 08/02/07

Mitkem Corporation
Volatiles Laboratory

Instrument V5 Injection Log

METHOD: OLM_W
ICAL DATE: 08/01/07

ANALYST: WL
EMV:

BATCH: 070802.B

Start: 02-AUG-07 09:11
End: 02-AUG-07 21:07

Comments:

IS-VW 070801A
SS-VW 070801B
STD-VW 070801C
LCS-VW 070701D

Reviewed By: SB 8/3/07

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	BN	INTERNAL STDS BCM	DFB	CBZ	SURROGATES DCE	TOL	BFB	DILN	FLG	COMMENTS	pH
V5H9433	09:11	BFB5Y	BFB5Y		AQ								1		OK	
V5H9434	09:33	VSTD0505Y	VSTD0505Y		AQ		100	100	100				1		OK	
V5H9435	10:02	MB-31502	VBLK5Y	31502	AQ		123	121	120	101	102	92	1		OK	
V5H9437	10:31	F1016-07A	282TB	31502	AQ		121	118	116	101	100	93	1		OK	
V5H9438	11:28	F1016-03ADL	278MW1-7DL	31502	AQ		111	111	107	100	100	91	4		OK, cir-DCE=103	2
V5H9439	12:00	F1016-04ADL	279MW1-22DL	31502	AQ		113	116	109	101	105	96	200		OK, cir-DCE=178	2
V5H9440	12:29	F1016-05ADL	280MW1-8DL	31502	AQ		108	109	106	100	101	92	1000		OK, cir-DCE=161	2
V5H9441	12:57	F1016-06ADL	281MW1-11DL	31502	AQ		105	107	103	99	102	92	1000		OK, cir-DCE=152	2
V5H9442	13:26	LCS-31502	V5YLCS	31502	AQ		94	95	92	107	102	98	1		OK	2
V5H9443	13:54	VHBLK5Y	VHBLK5Y	31502	AQ		115	116	114	101	100	92	1		OK (F1025, F1048)	7
V5H9444	14:23	F1044-14A	J-3-3B	31502	AQ		92	88	84	105	101	96	1		OK	7
V5H9445	14:52	F1044-01A	TRIP BLANK	31502	AQ		105	98	94	102	103	89	1		OK	2
V5H9446	15:20	F1044-03A	J-0-1	31502	AQ		105	95	89	100	103	90	1		OK	2
V5H9447	15:49	F1044-04A	J-12-3	31502	AQ		110	100	98	97	100	91	1		OK	2
V5H9448	16:18	F1044-05A	J-12-2	31502	AQ		105	101	99	100	99	90	1		OK	2
V5H9449	16:47	F1044-06A	J-10-1	31502	AQ		112	112	107	101	103	94	1		OK	2
V5H9450	17:16	F1044-07A	J-10-2	31502	AQ		110	107	105	100	98	94	1		OK	2
V5H9451	17:45	F1044-08A	J-10-3R	31502	AQ		110	109	104	101	104	91	1		OK	2
V5H9452	18:14	F1044-09A	J-0-3	31502	AQ		109	108	103	101	103	88	1		OK	2
V5H9453	18:43	F1044-11A	J-3-1	31502	AQ		108	106	105	103	101	90	1		OK	2
V5H9454	19:12	F1044-11AMS	J-3-1MS	31502	AQ		90	90	86	100	104	98	1		OK	2
V5H9455	19:41	F1044-11AMSD	J-3-1MSD	31502	AQ		94	92	90	97	102	98	1		OK	2
V5H9456	20:09	F1044-12A	J-3-2	31502	AQ		110	114	110	104	100	92	1		OK	2
V5H9457	20:39	F1044-13A	J-3-3A	31502	AQ		111	106	106	100	100	90	1		OK	2
V5H9458	21:07	VHBLK5Y	VHBLK5Y	31502	AQ		104	104	99	99	100	89	1		OK	2
V5H9459	21:36												1		OK (F1048, F1046)	7
V5H9460	22:03														OK	

1 SS out clean.

E - One or more target compounds are above the calibration range - (flagged by L5 ICAL area if SOM1.0)
R - One or more spike compounds are outside of control limits
T - Sample was injected outside of the 12 hour sequence
* - Internal Standard or Surrogate outside of control limit
D - Surrogates are diluted

METHOD: CAL ID: ANALYST:

Mitkem Corporation
Volatiles Laboratory

Instrument V5 Injection Log

METHOD: OLM-4.3
ICAL DATE: 08/02/07

ANALYST: WL
EMV:

BATCH: 070802A.B

Start: 02-AUG-07 23:02
End: 03-AUG-07 10:36

Comments:

IS-VW070801A
SS-VW070801B
STD-VW070801C
LCS-VW070801D

Reviewed By: SB 8/3/07

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	BN	INTERNAL STDS BCM	INTERNAL STDS DFB	INTERNAL STDS CBZ	SURROGATES DCE	SURROGATES TOL	SURROGATES BFB	DILN	FLG	COMMENTS	pH
V5H9462	23:02	BFB5Z	BFB5Z		AQ								1		ok	
V5H9463	23:32	VSTD0505Z	VSTD0505Z		SL		100	100	100				1		ok	
V5H9464	00:03	VSTD0205Z	VSTD0205Z		SL		101	102	99				1		ok	
V5H9465	00:33	VSTD0105Z	VSTD0105Z		SL		103	108	101				1		ok	
V5H9466	01:02	VSTD2005Z	VSTD2005Z		SL		103	105	103				1		ok	
V5H9467	01:32	VSTD1005Z	VSTD1005Z		SL		98	101	93				1		ok	
V5H9469	03:03	MB-31518	VBLKA5	31518	SL		113	106	104	100	100	95	1		ok	
V5H9470	03:33	LCS-31518	VA5LCS	31518	SL		87	86	81	99	98	91	1		ok	
V5H9471	04:03	F0981-10C	MW-BR10	31518	SL	1	62	54	31*	90	152*	42*	1		RLX1	
V5H9472	04:33	F0981-11C	MW-BR12	31518	SL	1	70	64	36*	94	155*	47*	1		ok	
V5H9473	05:03	F0981-11CMS	MW-BR12MS	31518	SL	2	69	58	37*	91	136	33*	1		ok Matrix effect	
V5H9474	05:32	F0981-11CMSD	MW-BR12MSD	31518	SL	3	67	53	31*	89	153*	30*	1		ok	
V5H9475	06:02	F1025-01C	MW-BR11	31518	SL	1	85	79	61	91	117	60	1		ok	
V5H9476	06:32	VHBLKA5	VHBLKA5	31518	SL		117	109	107	98	97	90	1		ok (F1025)	
V5H9477	07:02	VHBLKA5	VHBLKA5	31518	SL		121	113	107	97	97	89	1		ok (R4)	
V5H9478	10:06	F0981-10C	MW-BR10	31518	SL	2	83	93	73	98	116	63	1		ok	
V5H9479	10:36	VHBLKA5	VHBLKA5	31518	SL		113	116	111	98	99	91	1		ok (F0981)	

E - One or more target compounds are above the calibration range - (flagged by L5 ICAL area if SOM1.0)
R - One or more spike compounds are outside of control limits
T - Sample was injected outside of the 12 hour sequence
* - Internal Standard or Surrogate outside of control limit
D - Surrogates are diluted

Logbook ID 90.0199-06/07

Reviewed By:_____

Percent Moisture and Percent Solids Report

Mitkem Sample ID	*Client Sample ID*	*Analyzed*	*Percent Moisture*	*Percent Solids*	*Validated*
F1025-01A	*OTMI-MW-BR11*	08/01/2007	13	87	Yes

MITKEM CORPORATION: Volatile Organics Low/Medium Level Soil Extraction Log

Date	Lab ID		Analysis	Initial Wt. (g)	Final Wt. (g)	Sample Wt. (g)	Extraction Volume (mL)	Sample Type	Methanol Lot. #	Comments	Analyst
8/2/07	F1051	15C	8260.LS	NA	NA	5.1	5.0	E	DI H2O		IM
8/2/07	F1051	16C	8260.LS	NA	NA	5.5	5.0	E	DI H2O		IM
08/02/07	MB	31518	OLM-LS	NA	NA	5.0	5.0	E	DI H2O	ottawa sand #065891	
	LCS	31518		NA	NA	5.0	5.0	E	DI H2O	ottawa sand #065891	
	F0981	11C		32.56	40.9	8.4	5.0	B			
		11CMS		32.42	40.93	8.5					
		11CMSD		~~32.46~~	40.96	8.5					
	F0981	10C		32.58	~~41.74~~	~~9.2~~					
08/04/07	F1015	01C	OLM-LS	32.25	39.58	7.3	5.0	B	DI H2O		
8/3/07	MB 31521		8260.LS	NA	NA	5.0	5.0	E	DI H2O	OTTAWA SAND #065891	IM
	LCS 31521					5.0				OTTAWA SAND #065891	
	F1051	01C				5.1					
		01CMS				5.2					
		01CMSD				5.5					
		02C				0.5				smell	
8/3/07	F1051	03C	8260.LS	NA	NA	5.0	5.0	E	DI H2O		IM

Sample Type: A. MeOH Pre-preserved; B. DI H2O/Freeze; C. NaHSO4 Pre-preserved; D. Encore; E. Unpreserved Jars

Logbook ID: 90.0189-06/07

Reviewed By: (SB) 8/6/07

MITKEM CORPORATION: VOLATILE SAMPLES RECEIVING LOGBOOK

VOA Log-In Date	Workorder	Client	Sample Numbers	Relinquished by:	Received by:	Pres. Used	F/R#	Returned to R1
7.25.07	F1022	RIRRC	01A	CW	HZA	H	R1	
7.26.07	F1016	Day	03A-07A			H	R1	
	F1009	EPA	18A, 19A 7 Day TAT			T	R4	
	F1017	EPA	02B-13B 7 Day TAT			F	F1	
	F1017	EPA	02C-13C 7 Day TAT			M	R1	
	F1024	EPA	01A-03A			H	R1	
	F1025	ENE	01C			F	F1	
	F1025	ENE	01D			M	R1	
	F1024	HDR/LMS	01A-10A			H	R1	
	F1021	EPA	15A-20A			T	R3	
	F1027	EPA	01A-08A			T	R4	
	F1028	Mitkem	01A			H	R1	
	F1029	Mitkem	01A-03A			H	R1	
7.26.07	F1030	D3B	02A 04A, 06A	CW	HZA	US	R1	

Logbook ID 90.0191-04/07

Reviewed By: HZA 07/29/07

"Preservative Used" Key

UA = Unpreserved Aqu. **H** = HCL **A** = Air **M**= MeOH **E** = Encore
US = Unpreserved Soil **N** = $NaHSO_4$ **F** = Freeze **T**= Trace, HCL

MITKEM CORPORATION: VOLATILE SAMPLES RECEIVING LOGBOOK

VOA Log-In Date	Workorder	Client	Sample Numbers	Relinquished by:	Received by:	Pres. Used	F/R#	Returned to R1
7/31/07	F1050	EPA	01-04	DKD	NZA	H	R13	
↓	F1043	HDR	07, 09-22	↓	↓	H	R9	
↓	F1051	CT Male	01-04	↓	↓	US	R9	
7/31/07	F1051	CT Male	05	DKD	NZA	H	R9	
7/31/07	F1054	RTC (PE)	04A (2 ampules)	SBL	WL	UA	R10	
8/1/07	F1050	EPA	05-12	DKD	NZA	H	R13	
↓	F1058	EPA	01-02	↓	↓	H	R13	
↓	F1025	ENE	02-03	↓	↓	UA	R10	
↓	F1051	CT Male	06-10	↓	↓	US	R9	
↓	F1051	CT Male	11	↓	↓	H	R9	
8/1/07	F1056	HDR	01-06, 08	DKD	NZA	H	R10	
8/1/07	F1060	R1RRC	01-03	DKD	↓	H	R9	
8/1/07	F1061	R1RRC	01-03A	DKD	↓	UA	R9	
8/1/07	F1061	R1RRC	01-02D	DKD	NZA	UA	R9	

Logbook ID 90.0191-04/07

Reviewed By: NZA 08/03/07

"Preservative Used" Key

UA = Unpreserved Aqu. **H** = HCL **A** = Air **M**= MeOH **E** = Encore

US = Unpreserved Soil **N** = $NaHSO_4$ **F** = Freeze **T**= Trace, HCL

MITKEM CORPORATION

Semivolatile Organics

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLK30	84	76	82	76	80	81	85	76	0
02	S30LCS	81	75	80	75	76	80	82	74	0
03	RB	85	78	82	75	80	81	85	79	0
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
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20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(35-114)	
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)	
S3 (TPH)	= Terphenyl-d14	(33-141)	
S4 (PHL)	= Phenol-d5	(10-110)	
S5 (2FP)	= 2-Fluorophenol	(21-110)	
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S7 (2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	MW-BR11	37	38	44	35	37	31	37	35	0
02	SBLK3Q	73	73	75	71	75	60	75	72	0
03	S3QLCS	75	75	76	72	74	63	75	73	0
04										
05										
06										
07										
08										
09										
10										
11										
12										
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20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

		QC LIMITS	
S1 (NBZ)	= Nitrobenzene-d5	(23-120)	
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)	
S3 (TPH)	= Terphenyl-d14	(18-137)	
S4 (PHL)	= Phenol-d5	(24-113)	
S5 (2FP)	= 2-Fluorophenol	(25-121)	
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)	
S7 (2CP)	= 2-Chlorophenol-d4	(20-130)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(20-130)	(advisory)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM 3
WATER SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix Spike - Sample No.: S3OLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Phenol	75		57	76	12-110
2-Chlorophenol	75		59	79	27-123
N-Nitroso-di-n-prop.(1)	50		33	66	41-116
4-Chloro-3-Methylphenol	75		61	81	23- 97
Acenaphthene	50		37	74	46-118
4-Nitrophenol	75		63	84*	10- 80
2,4-Dinitrotoluene	50		38	76	24- 96
Pentachlorophenol	75		49	65	9-103
Pyrene	50		29	58	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 1 out of 9 outside limits

COMMENTS: _____

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix Spike - Sample No.: S3QLCS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Phenol	2500		1800	72	26- 90
2-Chlorophenol	2500		1900	76	25-102
N-Nitroso-di-n-prop.(1)	1700		1100	65	41-126
4-Chloro-3-Methylphenol	2500		2000	80	26-103
Acenaphthene	1700		1200	71	31-137
4-Nitrophenol	2500		1900	76	11-114
2,4-Dinitrotoluene	1700		1200	71	28- 89
Pentachlorophenol	2500		840	34	17-109
Pyrene	1700		940	55	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 9 outside limits

COMMENTS: _____

_____

4B

EPA SAMPLE NO.

SEMIVOLATILE METHOD BLANK SUMMARY

SBLK30

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Lab File ID: S3E5162 Lab Sample ID: MB-31530

Instrument ID: S3 Date Extracted: 08/03/07

Matrix: (soil/water) WATER Date Analyzed: 08/09/07

Level: (low/med) LOW Time Analyzed: 1807

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	RB	F1025-02A	S3E5165	08/09/07
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS: _____

4B

EPA SAMPLE NO.

SEMIVOLATILE METHOD BLANK SUMMARY

SBLK3Q

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Lab File ID: S3E5193 Lab Sample ID: MB-31474

Instrument ID: S3 Date Extracted: 08/01/07

Matrix: (soil/water) SOIL Date Analyzed: 08/10/07

Level: (low/med) LOW Time Analyzed: 1447

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	MW-BR11	F1025-01A	S3E5181	08/10/07
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Lab File ID: S3E5150 DFTPP Injection Date: 08/09/07

Instrument ID: S3 DFTPP Injection Time: 1313

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	32.8
68	Less than 2.0% of mass 69	0.7 (1.6)1
69	Mass 69 relative abundance	42.6
70	Less than 2.0% of mass 69	0.3 (0.6)1
127	25.0 - 75.0% of mass 198	40.2
197	Less than 1.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	24.9
365	Greater than 0.75% of mass 198	2.72
441	Present, but less than mass 443	10.4
442	40.0 - 110.0% of mass 198	74.4
443	15.0 - 24.0% of mass 442	14.5 (19.4)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0503M	SSTD0503M	S3E5151	08/09/07	1345
02	SSTD1603M	SSTD1603M	S3E5152	08/09/07	1443
03	SSTD0203M	SSTD0203M	S3E5153	08/09/07	1516
04	SSTD1203M	SSTD1203M	S3E5154	08/09/07	1549
05	SSTD0803M	SSTD0803M	S3E5155	08/09/07	1622
06					
07					
08					
09					
10					
11					
12					
13					
14					
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16					
17					
18					
19					
20					
21					
22					

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Lab File ID: S3E5160 DFTPP Injection Date: 08/09/07

Instrument ID: S3 DFTPP Injection Time: 1716

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	33.8
68	Less than 2.0% of mass 69	0.4 (1.0)1
69	Mass 69 relative abundance	40.0
70	Less than 2.0% of mass 69	0.2 (0.5)1
127	25.0 - 75.0% of mass 198	39.0
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	26.5
365	Greater than 0.75% of mass 198	3.29
441	Present, but less than mass 443	12.3
442	40.0 - 110.0% of mass 198	87.1
443	15.0 - 24.0% of mass 442	16.6 (19.1)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0503N	SSTD0503N	S3E5161	08/09/07	1734
02	SBLK3O	MB-31530	S3E5162	08/09/07	1807
03	S3OLCS	LCS-31530	S3E5163	08/09/07	1841
04	RB	F1025-02A	S3E5165	08/09/07	1948
05	MW-BR11	F1025-01A	S3E5181	08/10/07	0450
06					
07					
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21					
22					

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Lab File ID: S3E5190 DFTPP Injection Date: 08/10/07

Instrument ID: S3 DFTPP Injection Time: 1238

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	37.3
68	Less than 2.0% of mass 69	0.8 (1.9)1
69	Mass 69 relative abundance	42.9
70	Less than 2.0% of mass 69	0.5 (1.1)1
127	25.0 - 75.0% of mass 198	40.5
197	Less than 1.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	26.9
365	Greater than 0.75% of mass 198	3.24
441	Present, but less than mass 443	12.5
442	40.0 - 110.0% of mass 198	87.6
443	15.0 - 24.0% of mass 442	16.5 (18.8)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD0503O	SSTD0503O	S3E5191A	08/10/07	1340
02	SBLK3Q	MB-31474	S3E5193	08/10/07	1447
03	S3QLCS	LCS-31474	S3E5194	08/10/07	1521
04					
05					
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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

EPA Sample No. (SSTD050##): SSTD0503N Date Analyzed: 08/09/07

Lab File ID (Standard): S3E5161 Time Analyzed: 1734

Instrument ID: S3 GC Column: DB-5MS ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	733199	5.59	2780385	7.88	1621250	11.28
	UPPER LIMIT	1466398	6.09	5560770	8.38	3242500	11.78
	LOWER LIMIT	366600	5.09	1390193	7.38	810625	10.78
	EPA SAMPLE NO.						
01	SBLK3O	850132	5.59	3059302	7.88	1748726	11.28
02	S3OLCS	904655	5.59	3228053	7.88	1793883	11.28
03	RB	832398	5.59	3010426	7.88	1719482	11.28
04	MW-BR11	704502	5.59	2576795	7.87	1458212	11.28
05							
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21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

EPA Sample No. (SSTD050##): SSTD0503N Date Analyzed: 08/09/07

Lab File ID (Standard): S3E5161 Time Analyzed: 1734

Instrument ID: S3 GC Column: DB-5MS ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	2774055	13.46	3172273	16.89	2847615	18.74
	UPPER LIMIT	5548110	13.96	6344546	17.39	5695230	19.24
	LOWER LIMIT	1387028	12.96	1586137	16.39	1423808	18.24
	EPA SAMPLE NO.						
01	SBLK3O	2931718	13.46	2959992	16.88	2673703	18.74
02	S3OLCS	3016688	13.46	3134644	16.88	2841788	18.74
03	RB	2872831	13.46	2968665	16.88	2682154	18.73
04	MW-BR11	2447605	13.46	2471356	16.88	2116805	18.73
05							
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

EPA Sample No. (SSTD050##): SSTD0503O Date Analyzed: 08/10/07

Lab File ID (Standard): S3E5191A Time Analyzed: 1340

Instrument ID: S3 GC Column: DB-5MS ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	710094	5.42	2624538	7.69	1523532	11.12
	UPPER LIMIT	1420188	5.92	5249076	8.19	3047064	11.62
	LOWER LIMIT	355047	4.92	1312269	7.19	761766	10.62
	EPA SAMPLE NO.						
01	SBLK3Q	756762	5.42	2803913	7.68	1629437	11.12
02	S3QLCS	777226	5.42	2817378	7.68	1635689	11.12
03							
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18							
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20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

EPA Sample No. (SSTD050##): SSTD0503O Date Analyzed: 08/10/07

Lab File ID (Standard): S3E5191A Time Analyzed: 1340

Instrument ID: S3 GC Column: DB-5MS ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	2629038	13.32	3116171	16.74	2815162	18.54
	UPPER LIMIT	5258076	13.82	6232342	17.24	5630324	19.04
	LOWER LIMIT	1314519	12.82	1558086	16.24	1407581	18.04
	EPA SAMPLE NO.						
01	SBLK3Q	2824664	13.32	3099284	16.74	2728219	18.54
02	S3QLCS	2829236	13.31	3090929	16.73	2708525	18.54
03							
04							
05							
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22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-BR11

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) SOIL Lab Sample ID: F1025-01A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3E5181

Level: (low/med) LOW Date Received: 07/26/07

% Moisture: 13 Decanted: (Y/N) N Date Extracted: 08/01/07

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/10/07

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	380	U
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)Ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
98-86-2	Acetophenone	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	49	J
59-50-7	4-Chloro-3-Methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
92-52-4	1,1'-Biphenyl	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
208-96-8	Acenaphthylene	380	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	380	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-BR11

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) SOIL Lab Sample ID: F1025-01A

Sample wt/vol: 30.1(g/mL) G Lab File ID: S3E5181

Level: (low/med) LOW Date Received: 07/26/07

% Moisture: 13 Decanted: (Y/N)N Date Extracted: 08/01/07

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/10/07

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
86-73-7	Fluorene	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
1912-24-9	Atrazine	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

MW-BR11

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) SOIL Lab Sample ID: F1025-01A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3E5181

Level: (low/med) LOW Date Received: 07/26/07

% Moisture: 13 Decanted: (Y/N) N Date Extracted: 08/01/07

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/10/07

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0 Extraction: (Type) SONC

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
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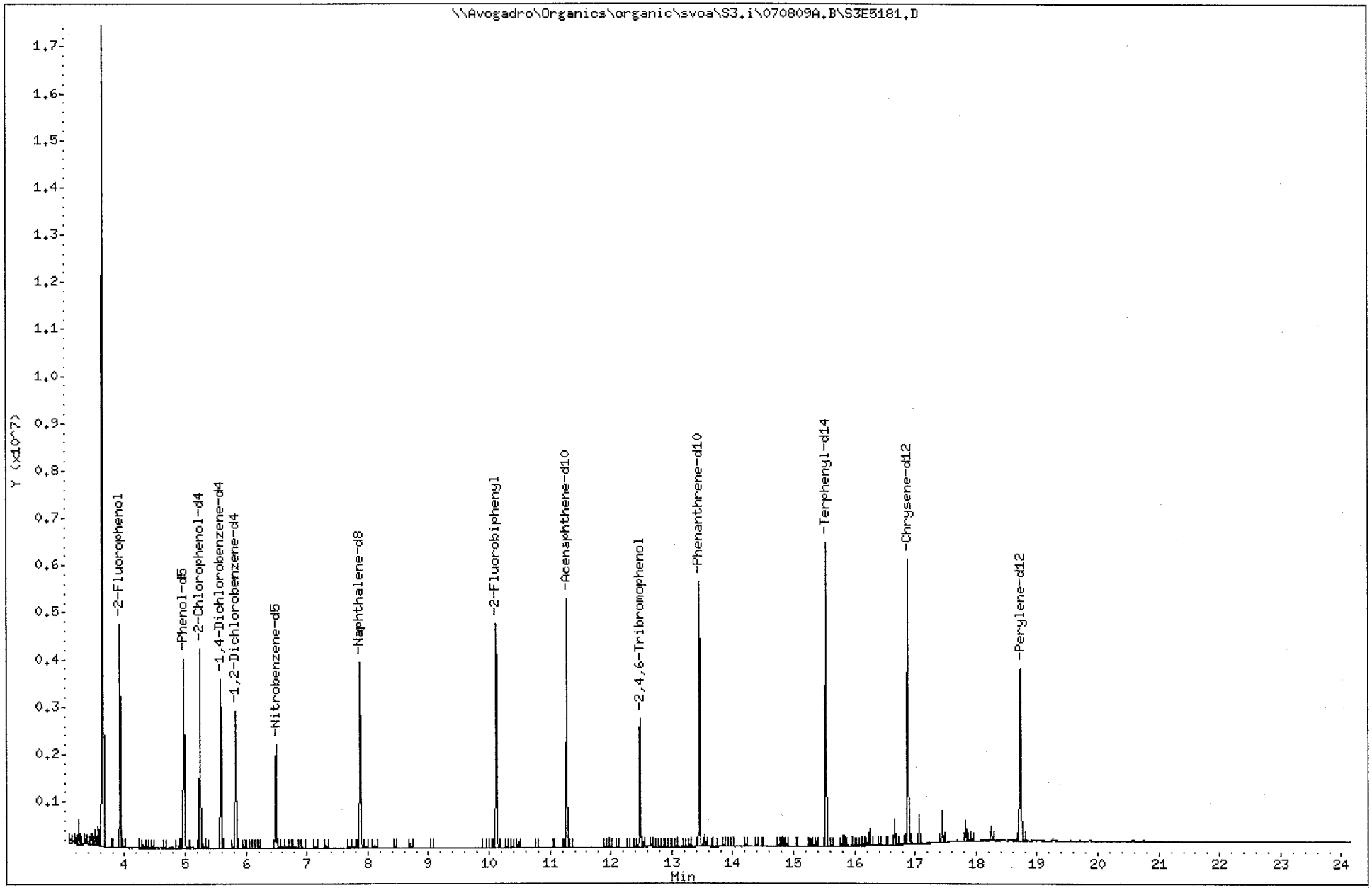
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\S3E5181.D
Date : 10-AUG-2007 04:50
Client ID: MW-BR11
Instrument: S3.i
Sample Info: F1025-01A,,31474,,
Volume Injected (uL): 2.0
Operator: CLM SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



6515

Data File: S3E5181.D
Report Date: 16-Aug-2007 16:19

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\S3E5181.D
Lab Smp Id: F1025-01A Client Smp ID: MW-BR11
Inj Date : 10-AUG-2007 04:50
Operator : CLM SRC: LIMS Inst ID: S3.i
Smp Info : F1025-01A,,31474,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\s3_olm4_2_S.m
Meth Date : 16-Aug-2007 16:18 S3.i Quant Type: ISTD
Cal Date : 09-AUG-2007 17:34 Cal File: S3E5161.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.100	Weight of sample extracted (g)
M	13.000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
$	1 2-Fluorophenol	112	3.925	3.917	(0.703)	1205563	56.0473	1100
$	3 Phenol-d5	99	4.978	4.980	(0.891)	1587657	52.4449	1000
$	6 2-Chlorophenol-d4	132	5.245	5.247	(0.939)	1221632	55.3322	1100
*	8 1,4-Dichlorobenzene-d4	152	5.587	5.589	(1.000)	704502	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.827	5.834	(1.043)	573144	34.9758	670
$	16 Nitrobenzene-d5	82	6.490	6.502	(0.824)	1059036	37.2497	710
*	23 Naphthalene-d8	136	7.873	7.880	(1.000)	2576795	40.0000	
	27 Caprolactam	113	8.685	8.773	(1.103)	18609	2.55425	49(a)
$	33 2-Fluorobiphenyl	172	10.117	10.124	(0.897)	2019565	37.7047	720
*	41 Acenaphthene-d10	164	11.276	11.278	(1.000)	1458212	40.0000	
$	53 2,4,6-Tribromophenol	330	12.478	12.485	(0.927)	356605	47.2181	900
*	58 Phenanthrene-d10	188	13.456	13.463	(1.000)	2447605	40.0000	
$	65 Terphenyl-d14	244	15.534	15.536	(0.920)	2273338	44.4469	850
*	69 Chrysene-d12	240	16.880	16.887	(1.000)	2471356	40.0000	
*	76 Perylene-d12	264	18.734	18.741	(1.000)	2116805	40.0000	

8/16/07 SW

Data File: S3E5181.D
Report Date: 16-Aug-2007 16:19

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: S3E5181.D
Report Date: 16-Aug-2007 16:19

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\S3E5181.D
Lab Smp Id: F1025-01A Client Smp ID: MW-BR11
Inj Date : 10-AUG-2007 04:50
Operator : CLM SRC: LIMS Inst ID: S3.i
Smp Info : F1025-01A,,31474,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\s3_olm4_2_S.m
Meth Date : 16-Aug-2007 16:18 S3.i Quant Type: ISTD
Cal Date : 09-AUG-2007 17:34 Cal File: S3E5161.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.100	Weight of sample extracted (g)
M	13.000	% Moisture
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 69 Chrysene-d12	16.881	6664480	40.000

	CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Straight-chain Alkane				CAS #:			
17.442	745216	4.47276091	85	0		0	69

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\S3E5181.D

Date : 10-AUG-2007 04:50

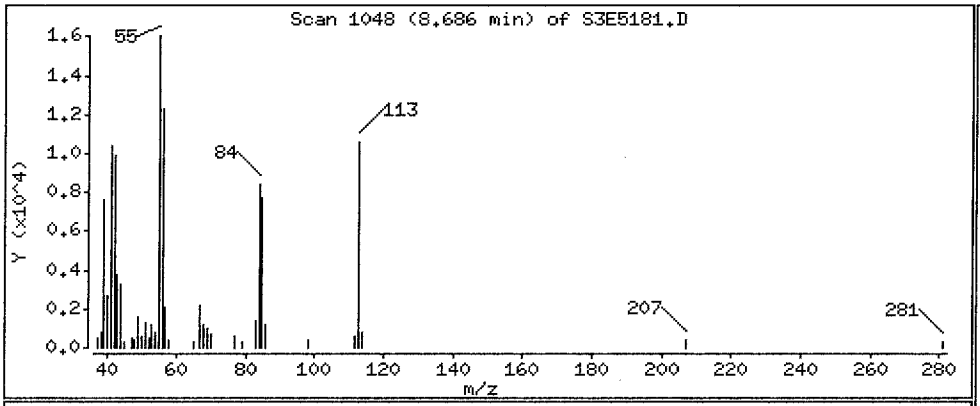
Client ID: MW-BR11 Instrument: S3.i

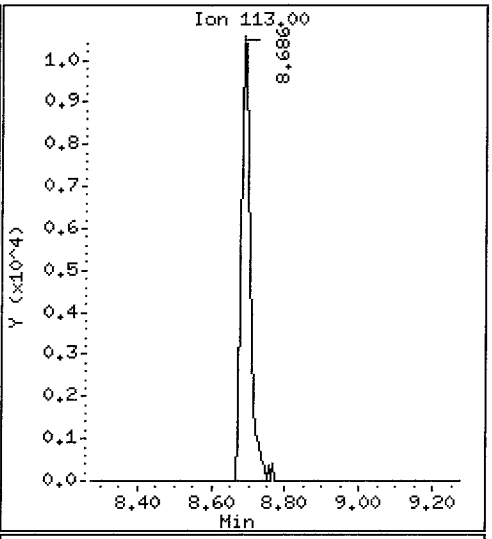
Sample Info: F1025-01A,,31474,,

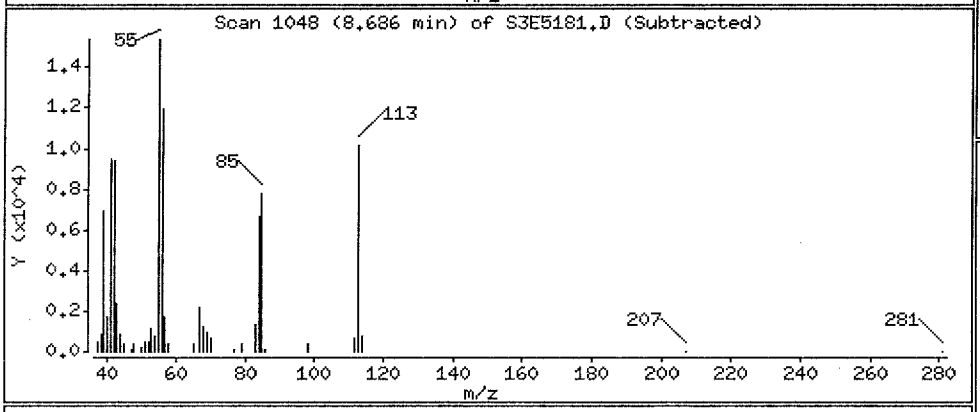
Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

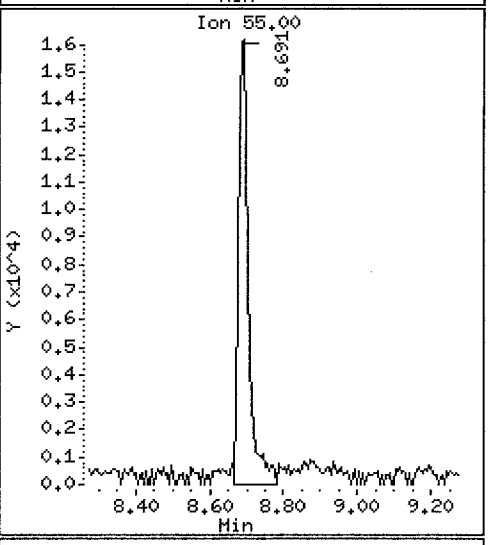
Column phase: DB-5MS Column diameter: 0.25

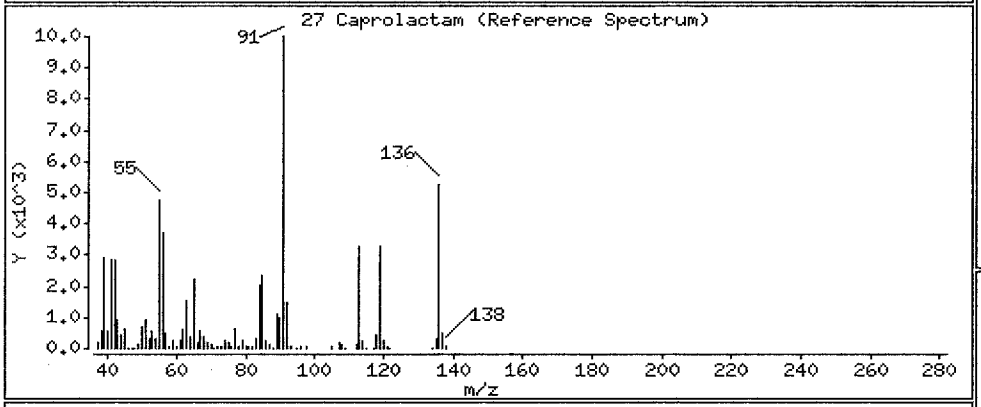
27 Caprolactam Concentration: 49 ug/Kg

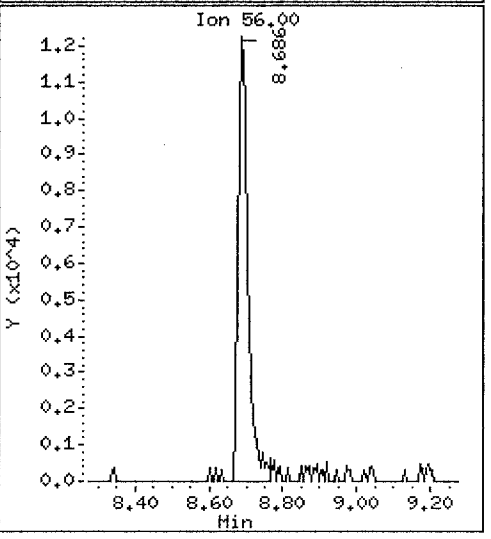


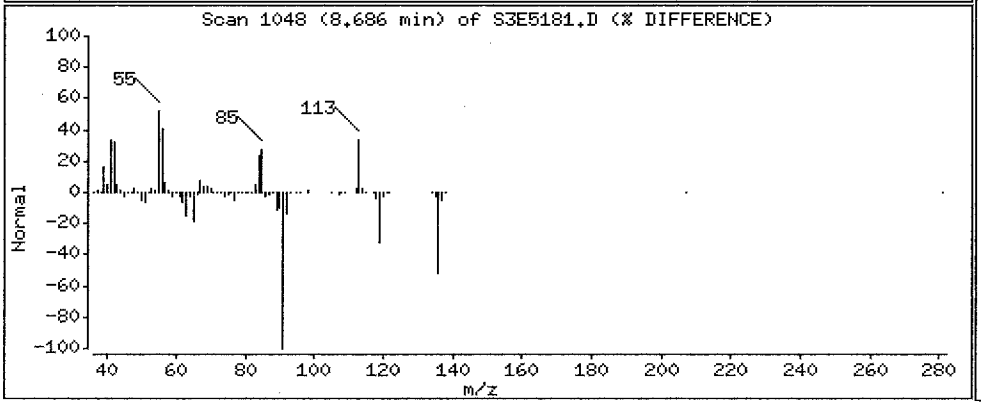












Data File: \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\S3E5181.D

Date : 10-AUG-2007 04:50

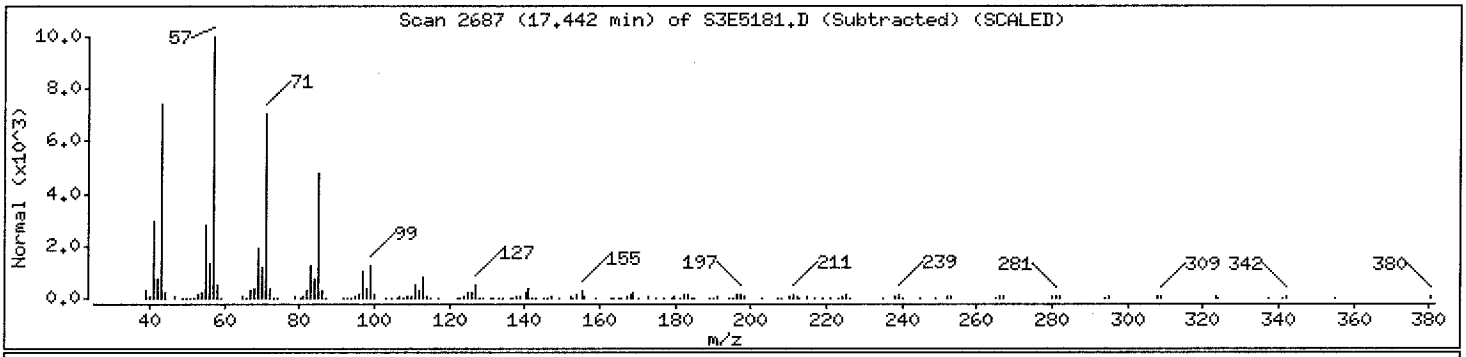
Client ID: MW-BR11 Instrument: S3.i

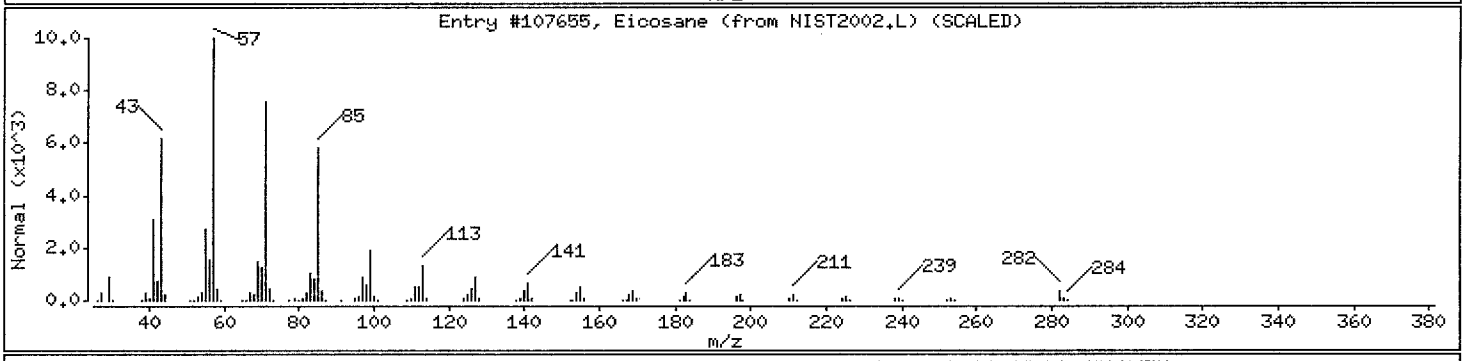
Sample Info: F1025-01A,,31474,,

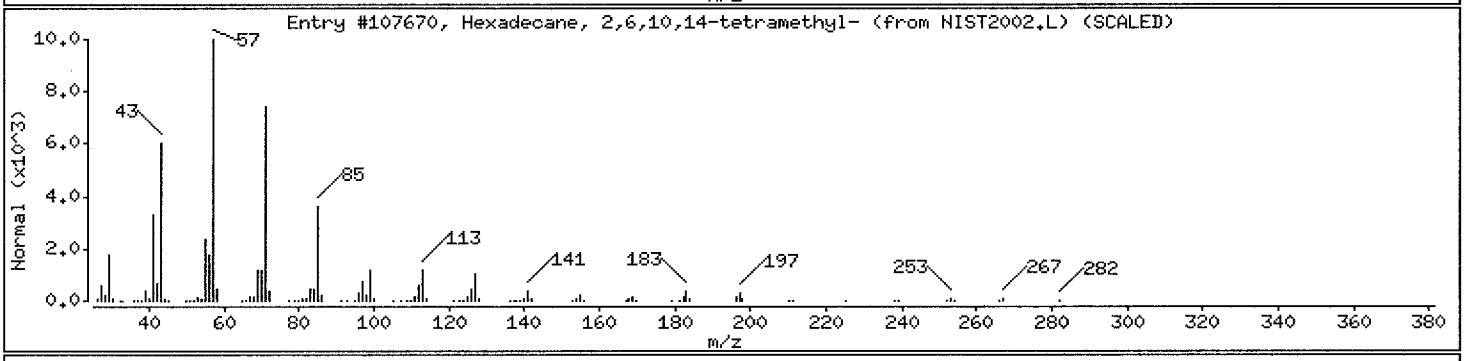
Volume Injected (uL): 2.0 Operator: CLM SRC: LIMS

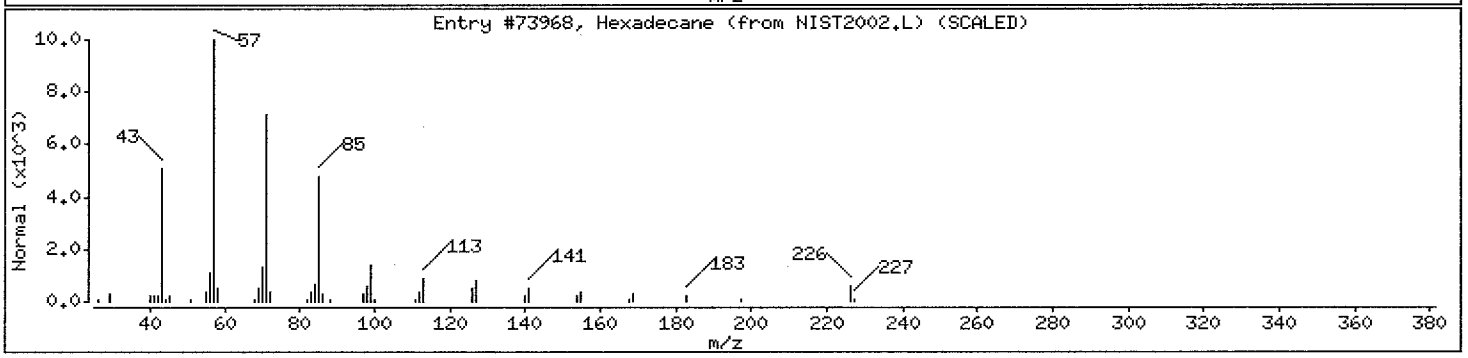
Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Straight-chain Alkane						
Eicosane	112-95-8	NIST2002.L	107655	96	C20H42	282
Hexadecane, 2,6,10,14-tetramethyl-	638-36-8	NIST2002.L	107670	94	C20H42	282
Hexadecane	544-76-3	NIST2002.L	73968	91	C16H34	226









1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: F1025-02A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E5165

Level: (low/med) LOW Date Received: 08/01/07

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 08/03/07

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/09/07

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	3	J
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: F1025-02A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E5165

Level: (low/med) LOW Date Received: 08/01/07

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 08/03/07

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/09/07

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

RB

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: F1025-02A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E5165

Level: (low/med) LOW Date Received: 08/01/07

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 08/03/07

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/09/07

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	82304-66-3	7,9-DI-TERT-BUTYL-1-OXASPIRO	13.99	4	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
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19.					
20.					
21.					
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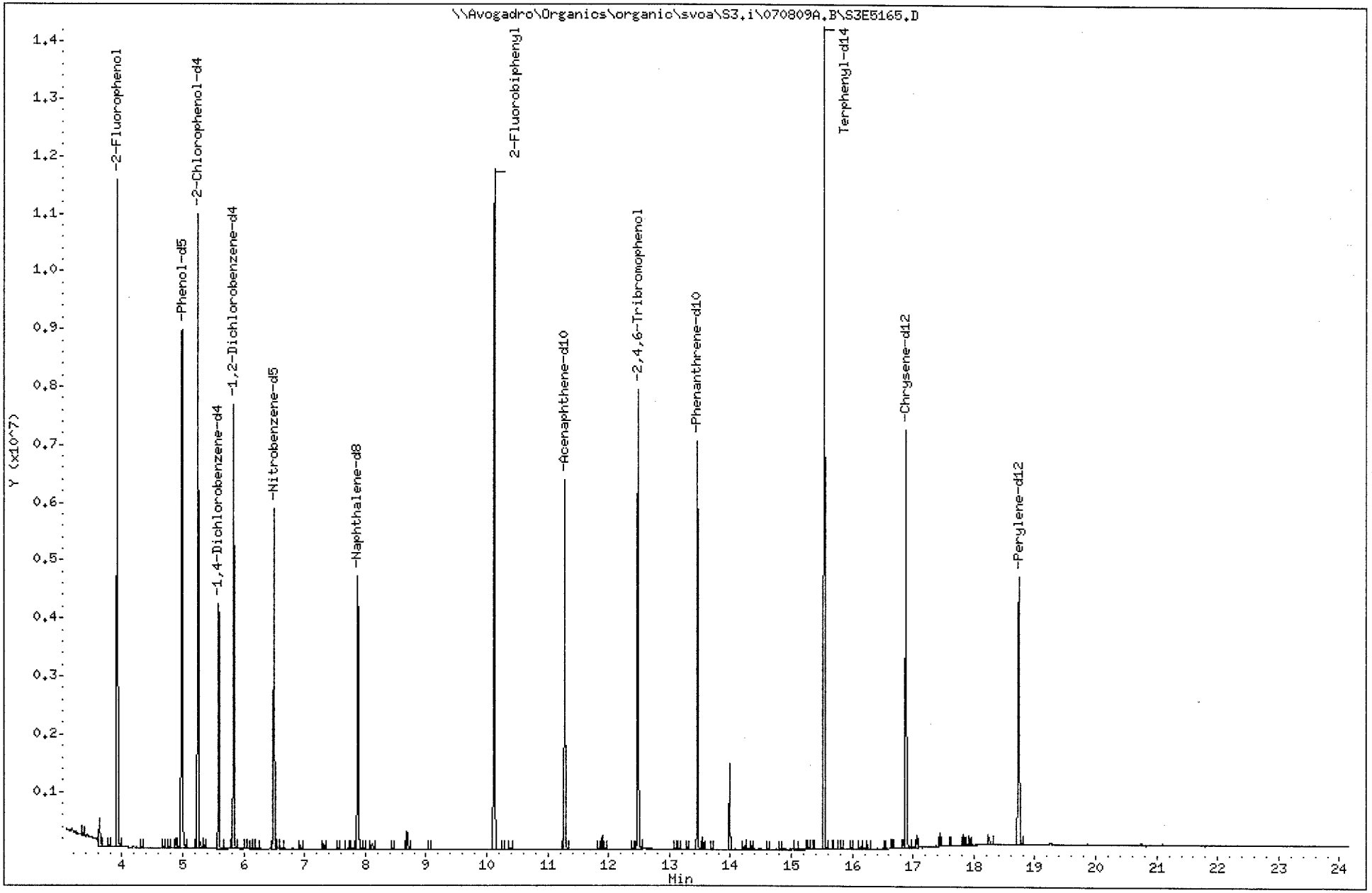
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\S3E5165.D
Date : 09-AUG-2007 19:48
Client ID: RB
Instrument: S3.i
Sample Info: F1025-02A,,31530,,
Volume Injected (uL): 2.0
Operator: CLM SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



Data File: S3E5165.D
Report Date: 16-Aug-2007 16:19

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\S3E5165.D
Lab Smp Id: F1025-02A Client Smp ID: RB
Inj Date : 09-AUG-2007 19:48
Operator : CLM SRC: LIMS Inst ID: S3.i
Smp Info : F1025-02A,,31530,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\s3_olm4_2_S.m
Meth Date : 16-Aug-2007 16:18 S3.i Quant Type: ISTD
Cal Date : 09-AUG-2007 17:34 Cal File: S3E5161.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	1 2-Fluorophenol	112	3.920	3.917	(0.702)	3042755	119.724	60
$	3 Phenol-d5	99	4.988	4.980	(0.893)	4034208	112.786	56
$	6 2-Chlorophenol-d4	132	5.250	5.247	(0.940)	3335140	127.851	64
*	8 1,4-Dichlorobenzene-d4	152	5.587	5.589	(1.000)	832398	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.833	5.834	(1.044)	1524254	78.7250	39
$	16 Nitrobenzene-d5	82	6.500	6.502	(0.825)	2831591	85.2501	43
*	23 Naphthalene-d8	136	7.879	7.880	(1.000)	3010426	40.0000	
	27 Caprolactam	113	8.691	8.773	(1.103)	55330	6.50058	3(aH)
$	33 2-Fluorobiphenyl	172	10.122	10.124	(0.898)	4932606	78.0975	39
*	41 Acenaphthene-d10	164	11.276	11.278	(1.000)	1719482	40.0000	
$	53 2,4,6-Tribromophenol	330	12.483	12.485	(0.927)	1075155	121.290	61
*	58 Phenanthrene-d10	188	13.461	13.463	(1.000)	2872831	40.0000	
$	65 Terphenyl-d14	244	15.539	15.536	(0.921)	5014907	81.6233	41
*	69 Chrysene-d12	240	16.880	16.887	(1.000)	2968665	40.0000	
*	76 Perylene-d12	264	18.734	18.741	(1.000)	2682154	40.0000	

8/16/07 SW

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

0178

Data File: S3E5165.D
Report Date: 16-Aug-2007 16:19

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: S3E5165.D
Report Date: 16-Aug-2007 16:19

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\S3E5165.D
Lab Smp Id: F1025-02A Client Smp ID: RB
Inj Date : 09-AUG-2007 19:48
Operator : CLM SRC: LIMS Inst ID: S3.i
Smp Info : F1025-02A,,31530,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\s3_olm4_2_S.m
Meth Date : 16-Aug-2007 16:18 S3.i Quant Type: ISTD
Cal Date : 09-AUG-2007 17:34 Cal File: S3E5161.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 58 Phenanthrene-d10	13.462	7904557	40.000

	CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,					CAS #: 82304-66-3		
13.985	1490268	7.54130814	4	99	NIST2002.L	104141	58

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\S3E5165.D

Date : 09-AUG-2007 19:48

Client ID: RB

Instrument: S3.i

Sample Info: F1025-02A,,31530,,

Volume Injected (uL): 2.0

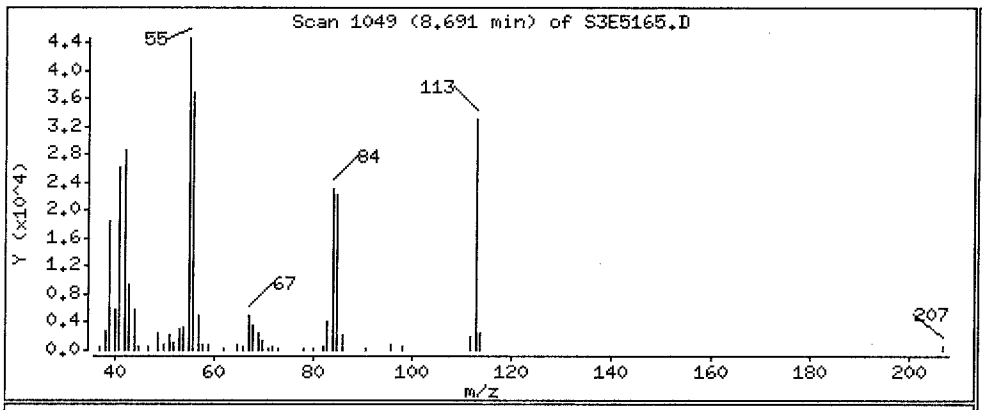
Operator: CLM SRC: LIMS

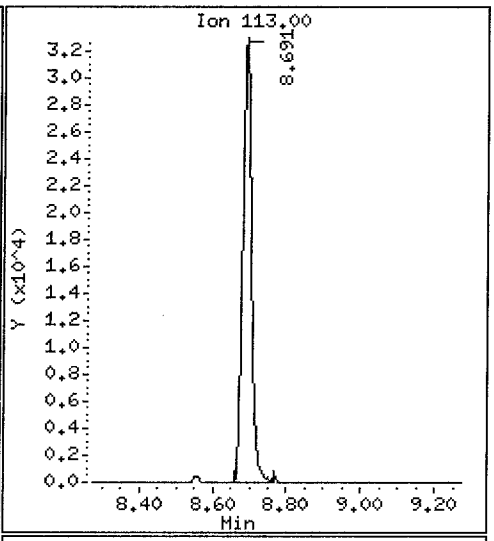
Column phase: DB-5MS

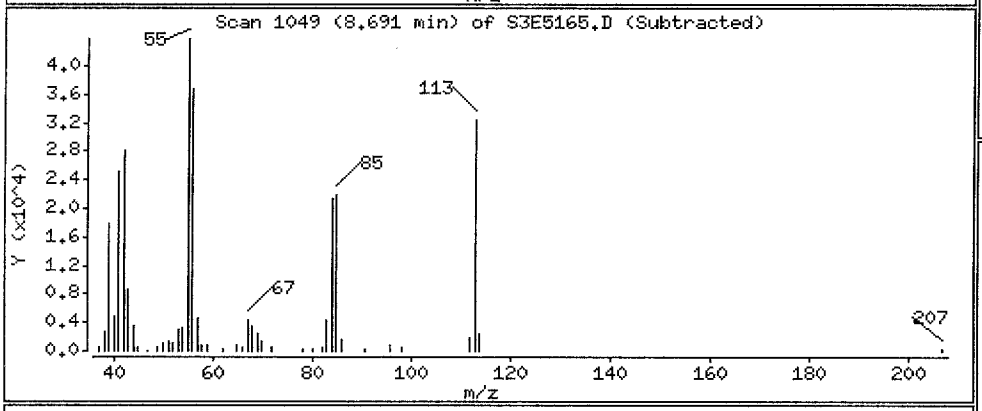
Column diameter: 0.25

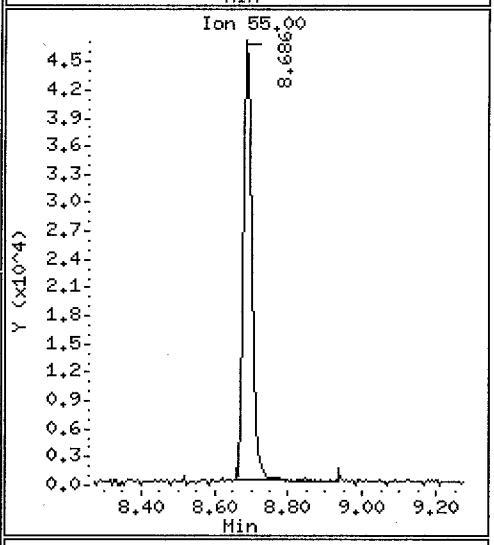
27 Caprolactam

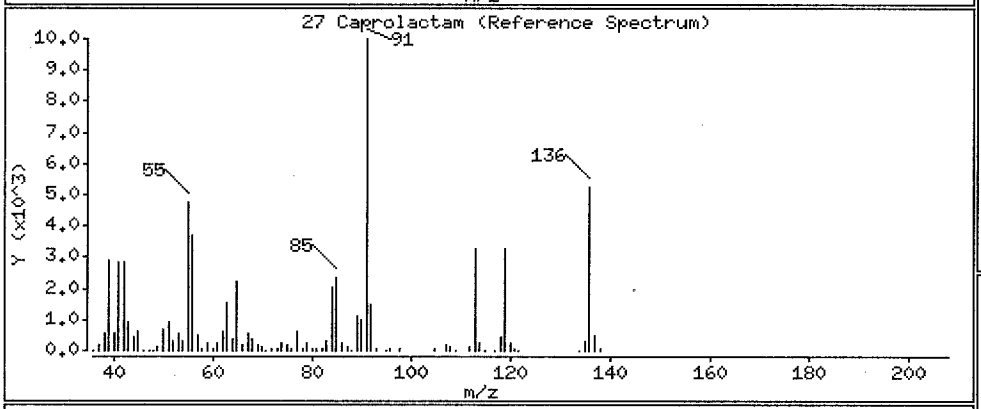
Concentration: 3 ug/L

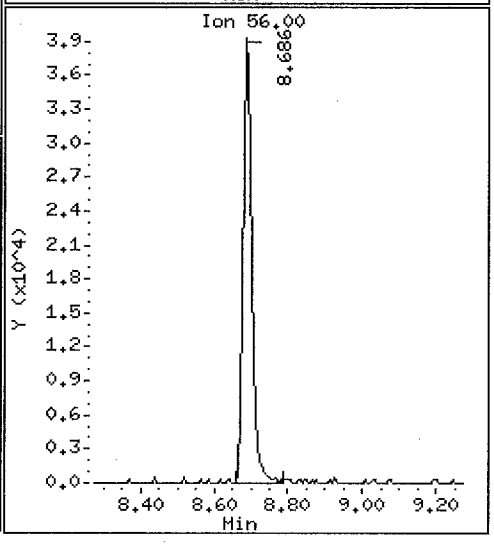


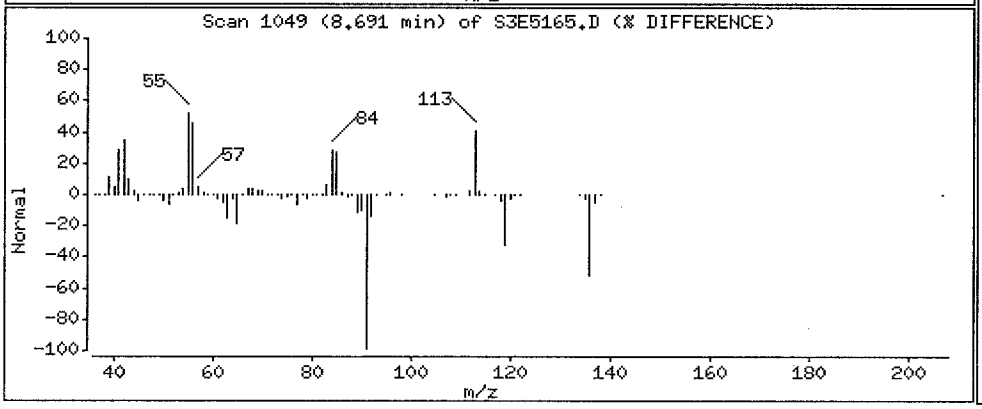












Data File: \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\S3E5165.D

Date : 09-AUG-2007 19:48

Client ID: RB

Instrument: S3.i

Sample Info: F1025-02A,,31530,,

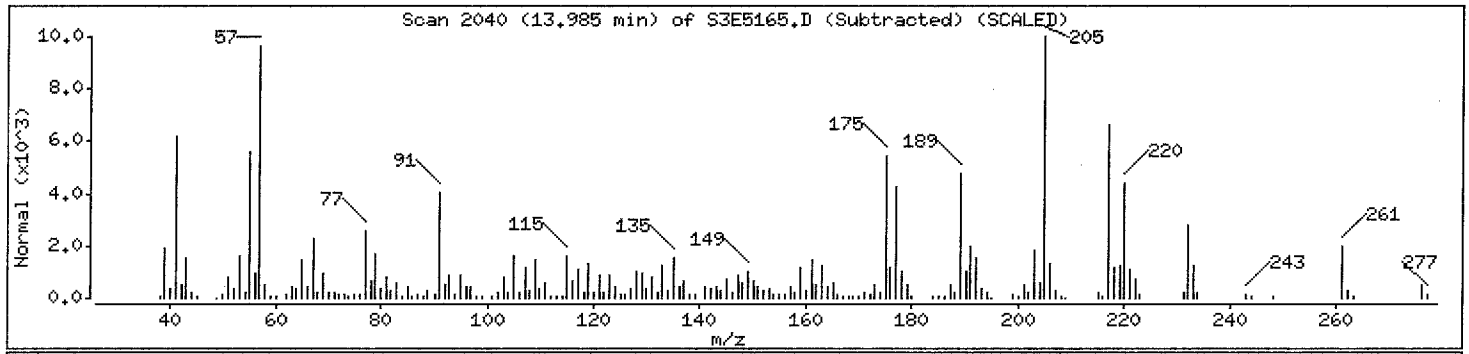
Volume Injected (uL): 2.0

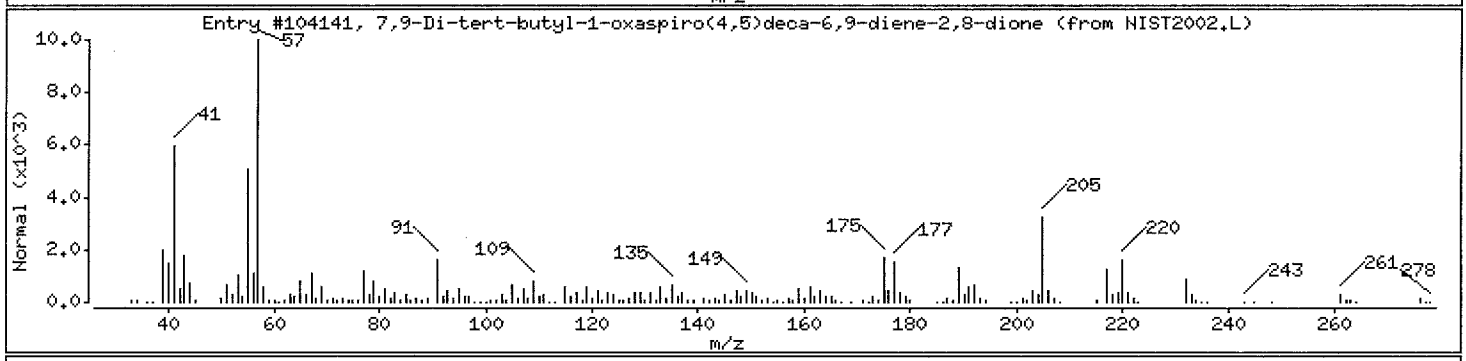
Operator: CLM SRC: LIMS

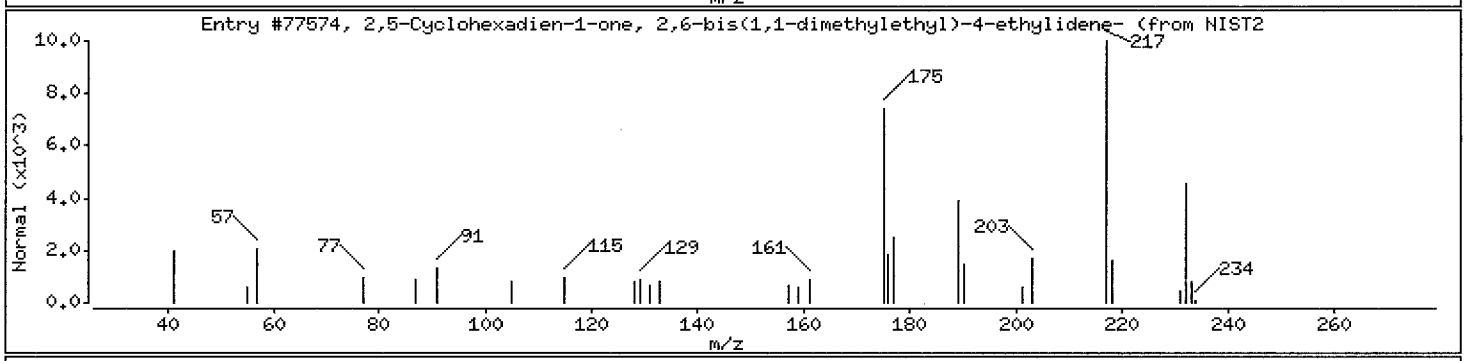
Column phase: DB-5MS

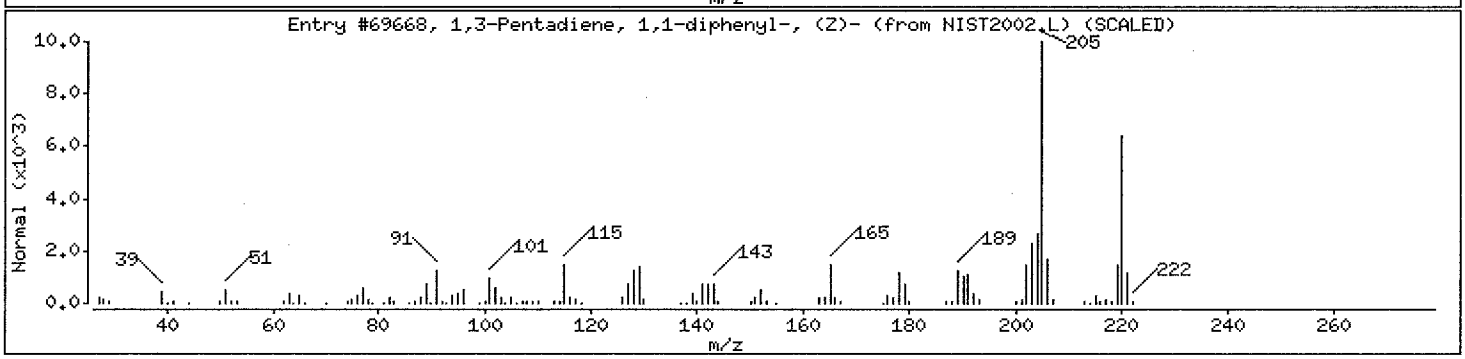
Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
7,9-Di-tert-butyl-1-oxaspiro(4,5)deca-6,	82304-66-3	NIST2002.L	104141	99	C17H2403	276
2,5-Cyclohexadien-1-one, 2,6-bis(1,1-dim	6738-27-8	NIST2002.L	77574	86	C16H240	232
1,3-Pentadiene, 1,1-diphenyl-, (Z)-	15295-31-5	NIST2002.L	69668	59	C17H16	220









6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Instrument ID: S3 Calibration Date(s): 08/09/07 08/09/07

Calibration Times: 1345 1622

LAB FILE ID: RRF20 = S3E5153 RRF50 = S3E5151
RRF80 = S3E5155 RRF120= S3E5154 RRF160= S3E5152

COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Benzaldehyde		0.615	0.597	0.608	0.626	0.631	0.615	2.2
Phenol	*	1.680	1.702	1.714	1.779	1.768	1.729	2.5*
bis(2-Chloroethyl)Ether	*	1.325	1.342	1.349	1.409	1.403	1.366	2.8*
2-Chlorophenol	*	1.204	1.242	1.265	1.329	1.337	1.275	4.5*
2-Methylphenol	*	1.167	1.184	1.201	1.262	1.295	1.222	4.4*
2,2'-oxybis(1-Chloropropane)		1.535	1.552	1.551	1.636	1.645	1.584	3.3
Acetophenone		1.784	1.835	1.888	1.970	1.981	1.892	4.5
4-Methylphenol	*	1.240	1.258	1.275	1.353	1.388	1.303	4.9*
N-Nitroso-di-n-propylamine	*	1.058	1.066	1.111	1.184	1.202	1.124	5.9*
Hexachloroethane	*	0.559	0.566	0.582	0.610	0.623	0.588	4.7*
Nitrobenzene	*	0.450	0.454	0.457	0.478	0.463	0.460	2.4*
Isophorone	*	0.691	0.696	0.704	0.723	0.711	0.705	1.8*
2-Nitrophenol	*	0.172	0.180	0.185	0.198	0.201	0.187	6.4*
2,4-Dimethylphenol	*	0.344	0.341	0.340	0.357	0.354	0.347	2.2*
bis(2-Chloroethoxy)methane	*	0.418	0.422	0.425	0.450	0.444	0.432	3.3*
2,4-Dichlorophenol	*	0.287	0.300	0.305	0.325	0.324	0.308	5.4*
Naphthalene	*	0.966	0.969	0.959	0.941	0.833	0.934	6.1*
4-Chloroaniline		0.349	0.369	0.377	0.404	0.398	0.379	5.8
Hexachlorobutadiene		0.227	0.233	0.238	0.252	0.248	0.240	4.4
Caprolactam		0.104	0.105	0.108	0.125	0.129	0.114	10.5
4-Chloro-3-Methylphenol	*	0.292	0.288	0.295	0.314	0.333	0.304	6.2*
2-Methylnaphthalene	*	0.606	0.628	0.639	0.657	0.622	0.630	3.0*
Hexachlorocyclopentadiene		0.312	0.360	0.392	0.434	0.431	0.386	13.3
2,4,6-Trichlorophenol	*	0.401	0.419	0.425	0.453	0.458	0.431	5.6*
2,4,5-Trichlorophenol	*		0.450	0.465	0.499	0.498	0.478	5.1*
1,1'-Biphenyl		1.467	1.490	1.469	1.410	1.238	1.415	7.3
2-Chloronaphthalene	*	1.165	1.208	1.213	1.228	1.149	1.193	2.8*
2-Nitroaniline			0.388	0.395	0.417	0.417	0.404	3.7
Dimethylphthalate		1.236	1.265	1.261	1.275	1.210	1.249	2.1
2,6-Dinitrotoluene	*	0.291	0.305	0.317	0.339	0.351	0.321	7.6*
Acenaphthylene	*	1.693	1.716	1.654	1.580	1.383	1.605	8.4*
3-Nitroaniline			0.230	0.227	0.247	0.252	0.239	5.1
Acenaphthene	*	1.097	1.136	1.128	1.124	1.028	1.103	4.0*
2,4-Dinitrophenol			0.125	0.155	0.186	0.203	0.167	20.5
4-Nitrophenol			0.169	0.173	0.186	0.187	0.179	5.1
Dibenzofuran	*	1.655	1.695	1.627	1.517	1.308	1.560	10.0*

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6D

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Instrument ID: S3 Calibration Date(s): 08/09/07 08/09/07

Calibration Times: 1345 1622

LAB FILE ID: RRF20 = S3E5153 RRF50 = S3E5151
RRF80 = S3E5155 RRF120= S3E5154 RRF160= S3E5152

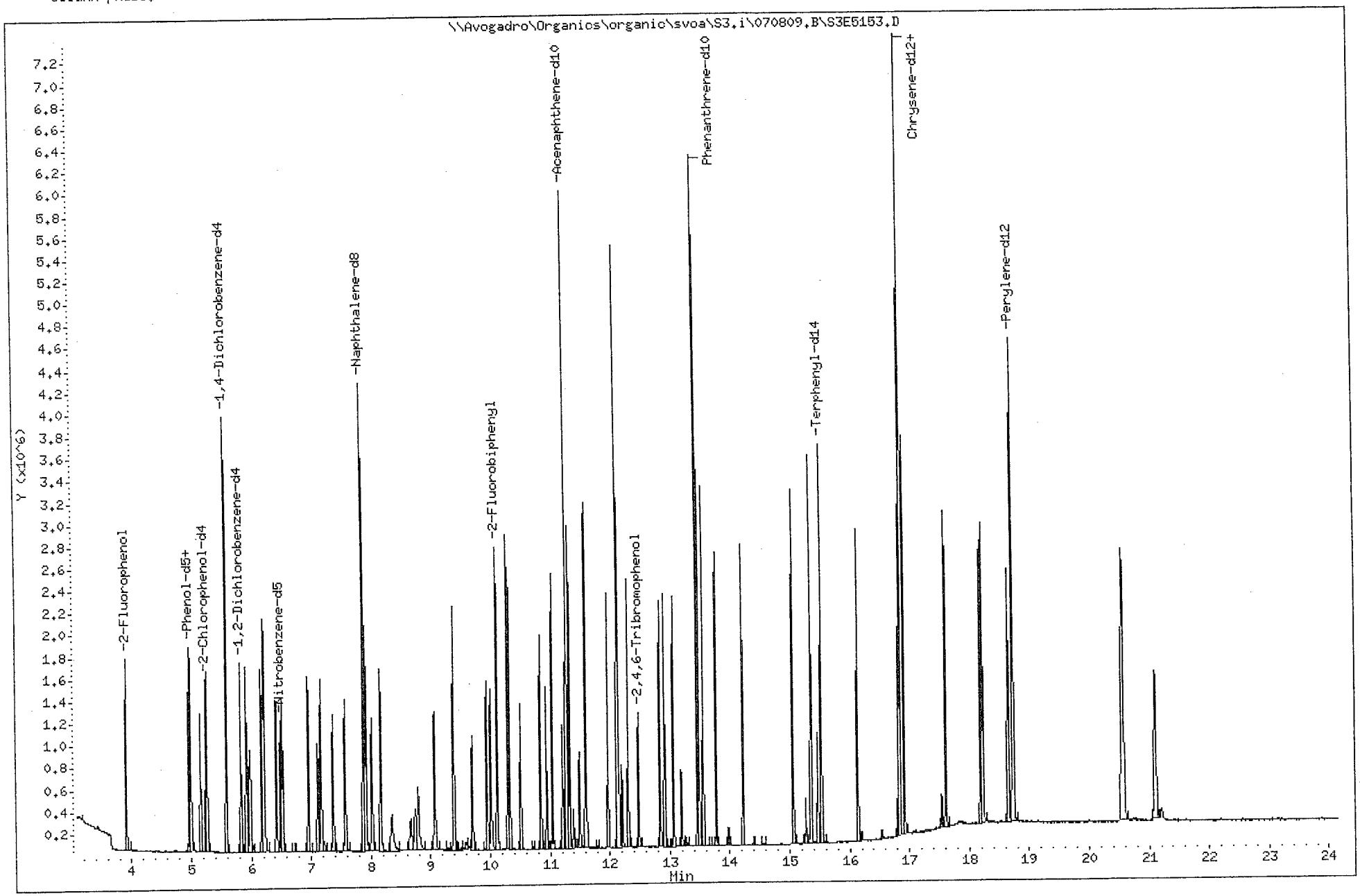
COMPOUND		RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
2,4-Dinitrotoluene	*	0.377	0.408	0.424	0.448	0.434	0.418	6.5*
Diethylphthalate		1.160	1.195	1.186	1.197	1.096	1.167	3.6
Fluorene	*	1.386	1.430	1.357	1.259	1.094	1.305	10.2*
4-Chlorophenyl-phenylether	*	0.759	0.773	0.761	0.734	0.670	0.739	5.6*
4-Nitroaniline			0.212	0.209	0.226	0.231	0.220	4.9
4,6-Dinitro-2-methylphenol			0.135	0.150	0.170	0.175	0.158	11.8
N-Nitrosodiphenylamine (1)		0.557	0.572	0.574	0.580	0.541	0.565	2.8
4-Bromophenyl-phenylether	*	0.272	0.280	0.283	0.290	0.273	0.280	2.7*
Hexachlorobenzene	*	0.290	0.299	0.299	0.308	0.295	0.298	2.2*
Atrazine		0.243	0.253	0.259	0.275	0.272	0.260	5.1
Pentachlorophenol	*		0.123	0.134	0.155	0.166	0.145	13.6*
Phenanthrene	*	1.162	1.138	1.056	0.945	0.791	1.018	15.0*
Anthracene	*	1.173	1.148	1.051	0.942	0.800	1.023	15.1*
Carbazole		0.944	0.931	0.893	0.853	0.735	0.871	9.6
Di-n-butylphthalate		1.123	1.097	0.995	0.908	0.746	0.974	15.8
Fluoranthene	*	1.215	1.177	1.090	0.974	0.834	1.058	14.7*
Pyrene	*	1.198	1.101	0.961	0.839	0.703	0.960	20.7* <-
Butylbenzylphthalate		0.434	0.429	0.424	0.419	0.393	0.420	3.8
3,3'-Dichlorobenzidine		0.327	0.306	0.292	0.282	0.257	0.293	8.9
Benzo(a)anthracene	*	1.186	1.104	0.992	0.887	0.763	0.986	17.1*
Chrysene	*	1.103	1.027	0.913	0.808	0.686	0.907	18.4*
bis(2-Ethylhexyl)phthalate		0.606	0.608	0.583	0.553	0.475	0.565	9.7
Di-n-octylphthalate		1.088	1.042	0.937	0.814	0.690	0.914	17.9
Benzo(b)fluoranthene	*	1.216	1.220	1.128	1.048	0.976	1.118	9.5*
Benzo(k)fluoranthene	*	1.308	1.213	1.125	1.023	0.827	1.099	16.8*
Benzo(a)pyrene	*	1.131	1.127	1.061	1.006	0.900	1.045	9.2*
Indeno(1,2,3-cd)pyrene	*	1.349	1.351	1.329	1.329	1.243	1.320	3.4*
Dibenzo(a,h)anthracene	*	1.146	1.183	1.150	1.089	0.983	1.110	7.1*
Benzo(g,h,i)perylene	*	1.157	1.177	1.161	1.177	1.098	1.154	2.8*
Nitrobenzene-d5	*	0.433	0.435	0.441	0.462	0.457	0.446	2.9*
2-Fluorobiphenyl	*	1.445	1.485	1.457	1.418	1.269	1.415	6.0*
Terphenyl-d14	*	0.900	0.836	0.752	0.670	0.584	0.748	16.9*
Phenol-d5	*	1.616	1.651	1.677	1.757	1.773	1.695	4.0*
2-Fluorophenol	*	1.202	1.225	1.233	1.287	1.278	1.245	2.9*
2,4,6-Tribromophenol		0.123	0.126	0.130	0.137	0.137	0.131	4.8
2-Chlorophenol-d4	*	1.209	1.229	1.248	1.323	1.343	1.270	4.7*
1,2-Dichlorobenzene-d4	*	0.889	0.916	0.933	0.986	0.995	0.944	4.8*

(1) Cannot be separated from Diphenylamine
* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070809.B\S3E5153.D
Date : 09-AUG-2007 15:16
Client ID: SSTD0203M
Sample Info: SSTD0203M,SSTD0203M
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S3.i

Operator: CLM SRC: CLM
Column diameter: 0.25



Data File: S3E5153.D
Report Date: 15-Aug-2007 12:52

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\070809.B\S3E5153.D
Lab Smp Id: SSTD0203M Client Smp ID: SSTD0203M
Inj Date : 09-AUG-2007 15:16
Operator : CLM SRC: CLM Inst ID: S3.i
Smp Info : SSTD0203M,SSTD0203M
Misc Info : 1,1
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\070809.B\s3_olm4_2_S.m
Meth Date : 15-Aug-2007 12:52 cmosher Quant Type: ISTD
Cal Date : 09-AUG-2007 13:45 Cal File: S3E5151.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLMtolu.sub
Target Version: 4.14
Processing Host: TARGET111

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$	1 2-Fluorophenol	112	3.916	3.919	(0.701)	473942	20.0000	19
	2 Benzaldehyde	77	4.963	4.966	(0.888)	242568	20.0000	20
$	3 Phenol-d5	99	4.979	4.982	(0.891)	637416	20.0000	19
	4 Phenol	94	4.995	5.004	(0.894)	662710	20.0000	19
	5 bis(2-Chloroethyl)Ether	93	5.160	5.164	(0.924)	522593	20.0000	19
$	6 2-Chlorophenol-d4	132	5.246	5.249	(0.939)	476944	20.0000	19
	7 2-Chlorophenol	128	5.267	5.276	(0.943)	474799	20.0000	19
*	8 1,4-Dichlorobenzene-d4	152	5.588	5.591	(1.000)	788794	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.828	5.837	(1.043)	350782	20.0000	19
	10 2-Methylphenol	108	5.919	5.928	(1.059)	460397	20.0000	19
	11 2,2'-oxybis(1-Chloropropane)	45	5.988	5.992	(1.072)	605582	20.0000	19
	13 4-Methylphenol	108	6.175	6.184	(1.105)	489027	20.0000	19
	14 N-Nitroso-di-n-propylamine	70	6.207	6.216	(1.111)	417082	20.0000	19
	12 Acetophenone	105	6.224	6.232	(1.114)	703632	20.0000	19
	15 Hexachloroethane	117	6.421	6.430	(1.149)	220324	20.0000	19
$	16 Nitrobenzene-d5	82	6.496	6.499	(0.825)	620854	20.0000	19
	17 Nitrobenzene	77	6.528	6.537	(0.829)	644824	20.0000	20
	18 Isophorone	82	6.955	6.964	(0.883)	990442	20.0000	20
	19 2-Nitrophenol	139	7.116	7.119	(0.904)	246800	20.0000	18
	20 2,4-Dimethylphenol	107	7.169	7.173	(0.910)	492889	20.0000	20

Data File: S3E5153.D
Report Date: 15-Aug-2007 12:52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	21 bis(2-Chloroethoxy)methane	93	7.367	7.376	(0.936)	598513	20.0000	19
	22 2,4-Dichlorophenol	162	7.575	7.579	(0.962)	410975	20.0000	19
*	23 Naphthalene-d8	136	7.874	7.883	(1.000)	2865673	40.0000	
	24 Naphthalene	128	7.917	7.926	(1.005)	1384517	20.0000	21
	25 4-Chloroaniline	127	8.024	8.027	(1.019)	500773	20.0000	18
	26 Hexachlorobutadiene	225	8.168	8.172	(1.037)	325250	20.0000	19
	100 m-Toluic Acid	91	8.360	8.407	(1.062)	151838	20.0000	13
	102 p-Toluic Acid	91	8.670	8.754	(1.101)	219313	20.0000	11(H)
	27 Caprolactam	113	8.740	8.775	(1.110)	148689	20.0000	18
	101 o-Toluic Acid	91	8.798	8.893	(1.117)	257550	20.0000	15
	28 4-Chloro-3-Methylphenol	107	9.071	9.085	(1.152)	418969	20.0000	19
	29 2-Methylnaphthalene	142	9.391	9.400	(1.193)	868850	20.0000	19
	30 Hexachlorocyclopentadiene	237	9.701	9.710	(0.860)	249961	20.0000	16
	31 2,4,6-Trichlorophenol	196	9.947	9.956	(0.882)	321547	20.0000	19
	32 2,4,5-Trichlorophenol	196	10.011	10.020	(0.888)	347471	20.0000	18(a)
$	33 2-Fluorobiphenyl	172	10.118	10.127	(0.897)	1159756	20.0000	20
	34 1,1'-Biphenyl	154	10.300	10.308	(0.913)	1177393	20.0000	21
	35 2-Chloronaphthalene	162	10.326	10.335	(0.916)	935111	20.0000	20
	36 2-Nitroaniline	65	10.513	10.522	(0.932)	308370	20.0000	19(a)
	37 Dimethylphthalate	163	10.850	10.859	(0.962)	991452	20.0000	20
	38 2,6-Dinitrotoluene	165	10.946	10.955	(0.971)	233501	20.0000	18
	39 Acenaphthylene	152	11.042	11.051	(0.979)	1358715	20.0000	21
	40 3-Nitroaniline	138	11.213	11.222	(0.994)	184817	20.0000	19(a)
*	41 Acenaphthene-d10	164	11.277	11.281	(1.000)	1604818	40.0000	
	42 Acenaphthene	153	11.331	11.334	(1.005)	880638	20.0000	20
	43 2,4-Dinitrophenol	184	11.389	11.398	(1.010)	65927	20.0000	10(a)
	44 4-Nitrophenol	109	11.491	11.500	(1.019)	130969	20.0000	18(a)
	46 2,4-Dinitrotoluene	165	11.592	11.601	(1.028)	302213	20.0000	18
	45 Dibenzofuran	168	11.603	11.612	(1.029)	1327621	20.0000	21
	47 Diethylphthalate	149	11.972	11.980	(1.062)	930858	20.0000	20
	48 Fluorene	166	12.127	12.135	(1.075)	1111992	20.0000	21
	49 4-Chlorophenyl-phenylether	204	12.137	12.141	(1.076)	608757	20.0000	21
	50 4-Nitroaniline	138	12.153	12.162	(1.078)	168331	20.0000	19(a)
	51 4,6-Dinitro-2-methylphenol	198	12.207	12.216	(0.907)	142504	20.0000	14(a)
	52 N-Nitrosodiphenylamine	169	12.308	12.312	(0.914)	742378	20.0000	20
$	53 2,4,6-Tribromophenol	330	12.479	12.488	(0.927)	163872	20.0000	19
	54 4-Bromophenyl-phenylether	248	12.842	12.846	(0.954)	362460	20.0000	19
	55 Hexachlorobenzene	284	12.917	12.921	(0.960)	385736	20.0000	19
	56 Atrazine	200	13.061	13.070	(0.970)	323698	20.0000	19
	57 Pentachlorophenol	266	13.195	13.198	(0.980)	113227	20.0000	12(a)
*	58 Phenanthrene-d10	188	13.462	13.466	(1.000)	2664342	40.0000	
	59 Phenanthrene	178	13.494	13.498	(1.002)	1548344	20.0000	23
	60 Anthracene	178	13.564	13.567	(1.008)	1562547	20.0000	23
	61 Carbazole	167	13.777	13.781	(1.023)	1257941	20.0000	22
	63 Fluoranthene	202	15.065	15.068	(1.119)	1618839	20.0000	23
	64 Pyrene	202	15.359	15.362	(0.910)	1709907	20.0000	25
$	65 Terphenyl-d14	244	15.535	15.538	(0.920)	1284744	20.0000	24
	62 Di-n-butylphthalate	149	14.215	14.219	(1.056)	1496599	20.0000	23
	66 Butylbenzylphthalate	149	16.139	16.142	(0.956)	619577	20.0000	21
	67 3,3'-Dichlorobenzidine	252	16.817	16.820	(0.996)	466322	20.0000	22
	71 bis(2-Ethylhexyl)phthalate	149	16.838	16.836	(0.997)	864546	20.0000	21
	68 Benzo(a)anthracene	228	16.870	16.874	(0.999)	1691863	20.0000	24
*	69 Chrysene-d12	240	16.886	16.890	(1.000)	2854134	40.0000	
	70 Chrysene	228	16.918	16.922	(1.002)	1574106	20.0000	24

Data File: S3E5153.D
Report Date: 15-Aug-2007 12:52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	72 Di-n-octylphthalate	149	17.608	17.611	(0.940)	1400692	20.0000	24
	73 Benzo(b)fluoranthene	252	18.195	18.199	(0.971)	1564829	20.0000	22
	74 Benzo(k)fluoranthene	252	18.233	18.241	(0.973)	1683796	20.0000	24
	75 Benzo(a)pyrene	252	18.655	18.663	(0.995)	1455241	20.0000	22
*	76 Perylene-d12	264	18.740	18.744	(1.000)	2574154	40.0000	
	77 Indeno(1,2,3-cd)pyrene	276	20.556	20.571	(1.097)	1735904	20.0000	20
	78 Dibenzo(a,h)anthracene	278	20.572	20.587	(1.098)	1475208	20.0000	21
	79 Benzo(g,h,i)perylene	276	21.107	21.126	(1.126)	1489646	20.0000	20

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

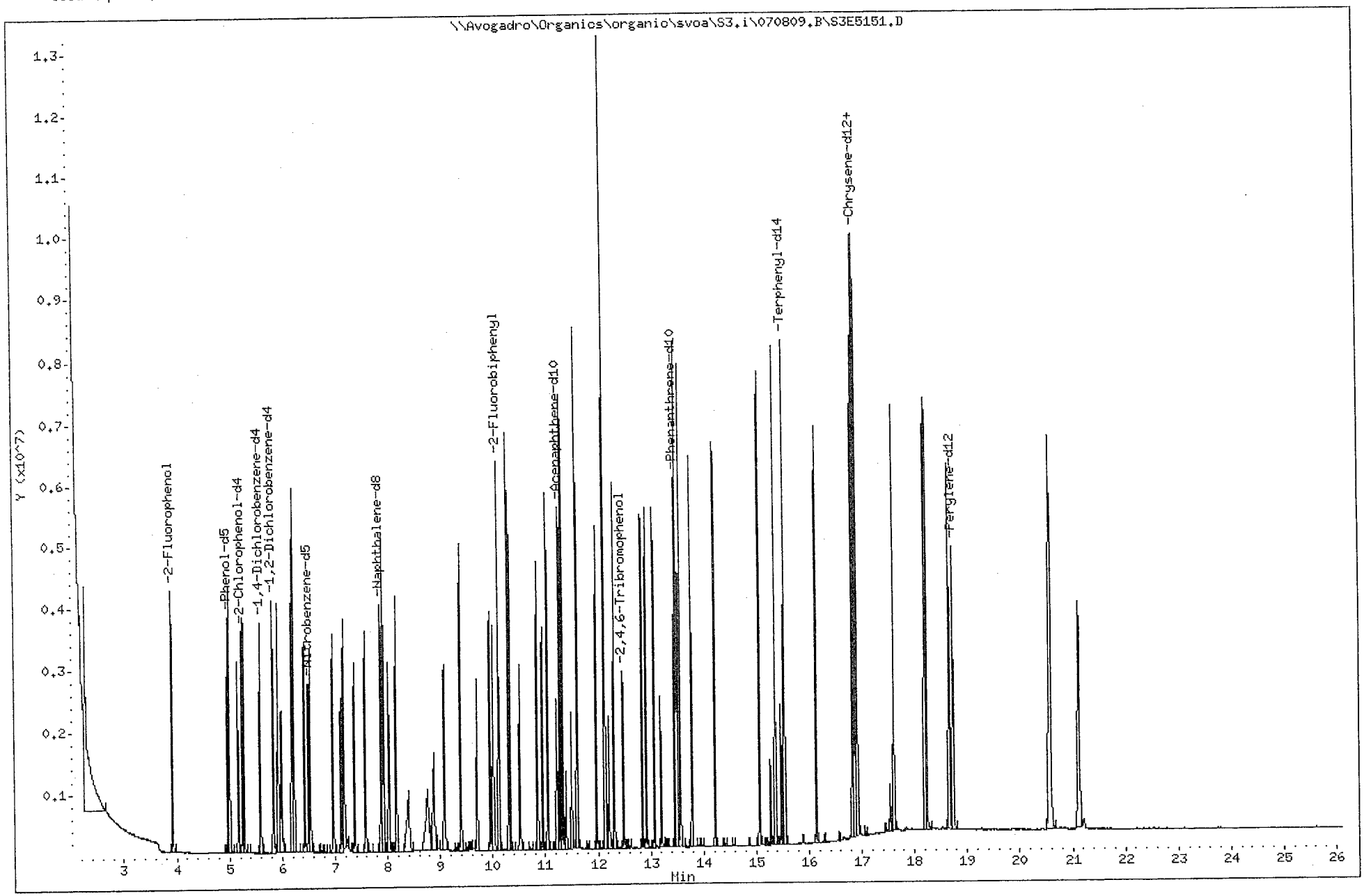
8/15/07

8/15/07 SW

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070809.B\S3E5151.D
Date : 09-AUG-2007 13:45
Client ID: SSTD0503M
Sample Info: SSTD0503M,SSTD0503M
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S3.i

Operator: CLM SRC: CLM
Column diameter: 0.25



6819

Data File: S3E5151.D
Report Date: 15-Aug-2007 12:52

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\070809.B\S3E5151.D
Lab Smp Id: SSTD0503M Client Smp ID: SSTD0503M
Inj Date : 09-AUG-2007 13:45
Operator : CLM SRC: CLM Inst ID: S3.i
Smp Info : SSTD0503M,SSTD0503M
Misc Info : 2,2
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\070809.B\s3_olm4_2_S.m
Meth Date : 15-Aug-2007 12:52 cmosher Quant Type: ISTD
Cal Date : 09-AUG-2007 13:45 Cal File: S3E5151.D
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLMtolu.sub
Target Version: 4.14
Processing Host: TARGET111

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$	1 2-Fluorophenol	112	3.919	3.919	(0.701)	1164988	50.0000	49
	2 Benzaldehyde	77	4.966	4.966	(0.888)	567478	50.0000	49
$	3 Phenol-d5	99	4.982	4.982	(0.891)	1569803	50.0000	49
	4 Phenol	94	5.004	5.004	(0.895)	1618195	50.0000	49
	5 bis(2-Chloroethyl)Ether	93	5.164	5.164	(0.924)	1275428	50.0000	49
$	6 2-Chlorophenol-d4	132	5.249	5.249	(0.939)	1168785	50.0000	48
	7 2-Chlorophenol	128	5.276	5.276	(0.944)	1181008	50.0000	49
*	8 1,4-Dichlorobenzene-d4	152	5.591	5.591	(1.000)	760504	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.837	5.837	(1.044)	871243	50.0000	49
	10 2-Methylphenol	108	5.928	5.928	(1.060)	1126007	50.0000	48
	11 2,2'-oxybis(1-Chloropropane)	45	5.992	5.992	(1.072)	1475426	50.0000	49
	13 4-Methylphenol	108	6.184	6.184	(1.106)	1196172	50.0000	48
	14 N-Nitroso-di-n-propylamine	70	6.216	6.216	(1.112)	1013650	50.0000	47
	12 Acetophenone	105	6.232	6.232	(1.115)	1744816	50.0000	49
	15 Hexachloroethane	117	6.430	6.430	(1.150)	537657	50.0000	48
$	16 Nitrobenzene-d5	82	6.499	6.499	(0.824)	1490519	50.0000	49
	17 Nitrobenzene	77	6.537	6.537	(0.829)	1555943	50.0000	49
	18 Isophorone	82	6.964	6.964	(0.883)	2386133	50.0000	49
	19 2-Nitrophenol	139	7.119	7.119	(0.903)	617462	50.0000	48
	20 2,4-Dimethylphenol	107	7.173	7.173	(0.910)	1168652	50.0000	49

Data File: S3E5151.D
Report Date: 15-Aug-2007 12:52

	Compounds	QUANT SIG MASS		RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	21 bis(2-Chloroethoxy)methane	93		7.376	7.376	(0.936)	1447389	50.0000	49
	22 2,4-Dichlorophenol	162		7.579	7.579	(0.961)	1026763	50.0000	49
*	23 Naphthalene-d8	136		7.883	7.883	(1.000)	2742510	40.0000	
	24 Naphthalene	128		7.926	7.926	(1.005)	3321588	50.0000	52
	25 4-Chloroaniline	127		8.027	8.027	(1.018)	1266270	50.0000	49
	26 Hexachlorobutadiene	225		8.172	8.172	(1.037)	798554	50.0000	49
	100 m-Toluic Acid	91		8.407	8.407	(1.066)	547414	50.0000	48
	102 p-Toluic Acid	91		8.754	8.754	(1.110)	841052	50.0000	43
	27 Caprolactam	113		8.775	8.775	(1.113)	359664	50.0000	46
	101 o-Toluic Acid	91		8.893	8.893	(1.128)	882754	50.0000	53
	28 4-Chloro-3-Methylphenol	107		9.085	9.085	(1.152)	987362	50.0000	47
	29 2-Methylnaphthalene	142		9.400	9.400	(1.192)	2153993	50.0000	50
	30 Hexachlorocyclopentadiene	237		9.710	9.710	(0.861)	692488	50.0000	47
	31 2,4,6-Trichlorophenol	196		9.956	9.956	(0.883)	806164	50.0000	49
	32 2,4,5-Trichlorophenol	196		10.020	10.020	(0.888)	865011	50.0000	47
$	33 2-Fluorobiphenyl	172		10.127	10.127	(0.898)	2853019	50.0000	52
	34 1,1'-Biphenyl	154		10.308	10.308	(0.914)	2864161	50.0000	53
	35 2-Chloronaphthalene	162		10.335	10.335	(0.916)	2321023	50.0000	51
	36 2-Nitroaniline	65		10.522	10.522	(0.933)	746376	50.0000	48
	37 Dimethylphthalate	163		10.859	10.859	(0.963)	2431701	50.0000	51
	38 2,6-Dinitrotoluene	165		10.955	10.955	(0.971)	586323	50.0000	48
	39 Acenaphthylene	152		11.051	11.051	(0.980)	3297498	50.0000	53
	40 3-Nitroaniline	138		11.222	11.222	(0.995)	441394	50.0000	48
*	41 Acenaphthene-d10	164		11.281	11.281	(1.000)	1537391	40.0000	
	42 Acenaphthene	153		11.334	11.334	(1.005)	2183216	50.0000	52
	43 2,4-Dinitrophenol	184		11.398	11.398	(1.010)	240087	50.0000	37
	44 4-Nitrophenol	109		11.500	11.500	(1.019)	324614	50.0000	47
	46 2,4-Dinitrotoluene	165		11.601	11.601	(1.028)	783958	50.0000	49
	45 Dibenzofuran	168		11.612	11.612	(1.029)	3257503	50.0000	54
	47 Diethylphthalate	149	✓	11.980	11.980	(1.062)	2296302	50.0000	51
	48 Fluorene	166		12.135	12.135	(1.076)	2748205	50.0000	55
	49 4-Chlorophenyl-phenylether	204		12.141	12.141	(1.076)	1485428	50.0000	52
	50 4-Nitroaniline	138		12.162	12.162	(1.078)	407210	50.0000	48
	51 4,6-Dinitro-2-methylphenol	198		12.216	12.216	(0.907)	433446	50.0000	43
	52 N-Nitrosodiphenylamine	169		12.312	12.312	(0.914)	1836687	50.0000	51
$	53 2,4,6-Tribromophenol	330		12.488	12.488	(0.927)	404948	50.0000	48
	54 4-Bromophenyl-phenylether	248		12.846	12.846	(0.954)	901272	50.0000	50
	55 Hexachlorobenzene	284		12.921	12.921	(0.960)	961666	50.0000	50
	56 Atrazine	200		13.070	13.070	(0.971)	814106	50.0000	49
	57 Pentachlorophenol	266		13.198	13.198	(0.980)	394553	50.0000	42
*	58 Phenanthrene-d10	188		13.466	13.466	(1.000)	2570667	40.0000	
	59 Phenanthrene	178		13.498	13.498	(1.002)	3657383	50.0000	56
	60 Anthracene	178		13.567	13.567	(1.008)	3689343	50.0000	56
	61 Carbazole	167		13.781	13.781	(1.023)	2990914	50.0000	53
	63 Fluoranthene	202		15.068	15.068	(1.119)	3780508	50.0000	56
	64 Pyrene	202		15.362	15.362	(0.910)	4013661	50.0000	57
$	65 Terphenyl-d14	244		15.538	15.538	(0.920)	3048837	50.0000	56
	62 Di-n-butylphthalate	149	✓	14.219	14.219	(1.056)	3525784	50.0000	56
	66 Butylbenzylphthalate	149	✓	16.142	16.142	(0.956)	1565213	50.0000	51
	67 3,3'-Dichlorobenzidine	252		16.820	16.820	(0.996)	1113989	50.0000	52
	71 bis(2-Ethylhexyl)phthalate	149		16.836	16.836	(0.997)	2215868	50.0000	54
	68 Benzo(a)anthracene	228		16.874	16.874	(0.999)	4024075	50.0000	56
*	69 Chrysene-d12	240		16.890	16.890	(1.000)	2916220	40.0000	
	70 Chrysene	228		16.922	16.922	(1.002)	3744202	50.0000	57

Data File: S3E5151.D
Report Date: 15-Aug-2007 12:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
72 Di-n-octylphthalate	149	17.611	17.611	(0.940)	3520510	50.0000	57
73 Benzo(b)fluoranthene	252	18.199	18.199	(0.971)	4120722	50.0000	55
74 Benzo(k)fluoranthene	252	18.241	18.241	(0.973)	4096358	50.0000	55
75 Benzo(a)pyrene	252	18.663	18.663	(0.996)	3808197	50.0000	54
* 76 Perylene-d12	264	18.744	18.744	(1.000)	2702681	40.0000	
77 Indeno(1,2,3-cd)pyrene	276	20.571	20.571	(1.097)	4565171	50.0000	51
78 Dibenzo(a,h)anthracene	278	20.587	20.587	(1.098)	3998155	50.0000	53
79 Benzo(g,h,i)perylene	276	21.126	21.126	(1.127)	3975437	50.0000	51

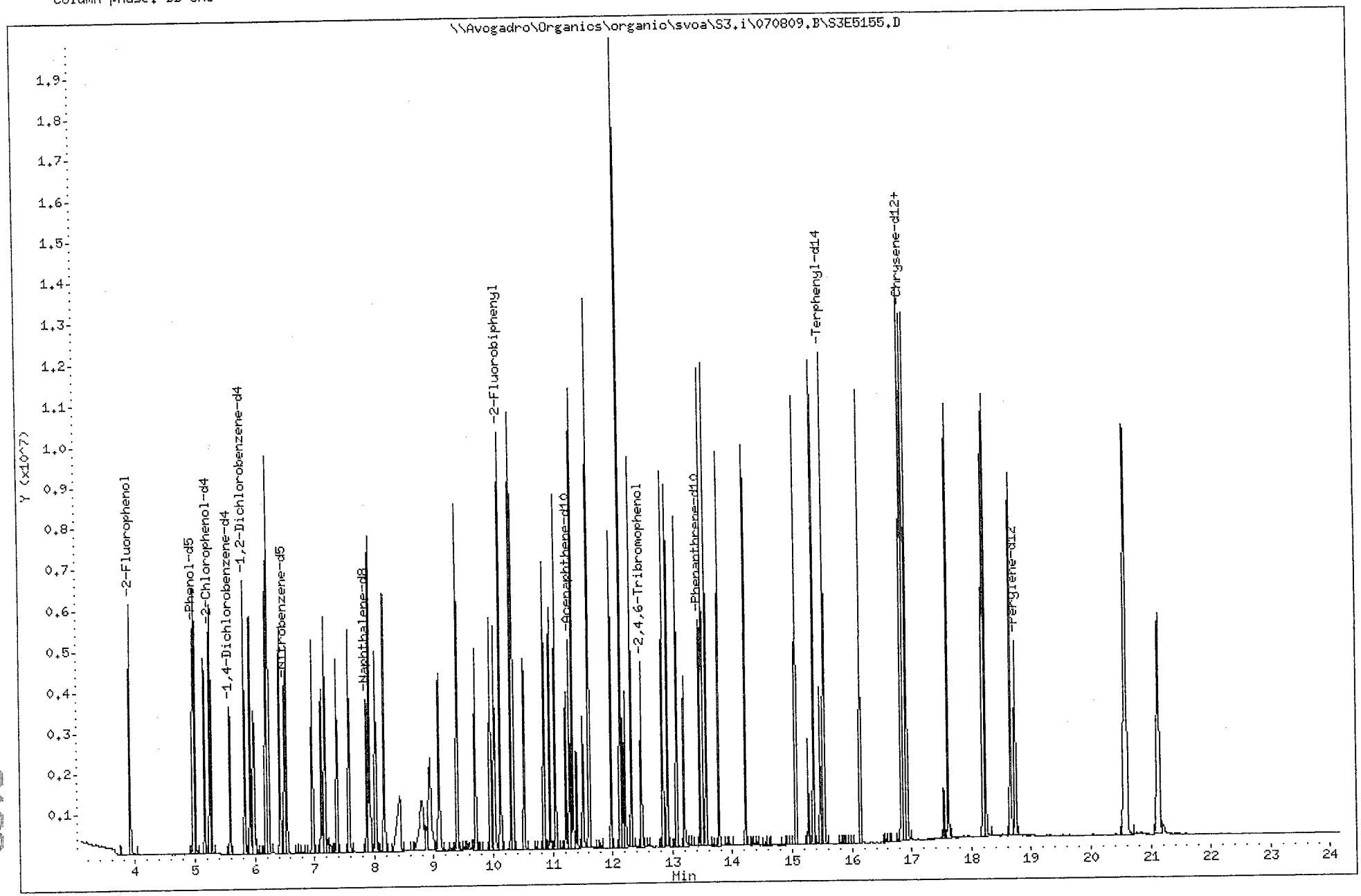
8/14/07

8/15/07 SW

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070809.B\S3E5155.D
Date : 09-AUG-2007 16:22
Client ID: SSTD0803M
Sample Info: SSTD0803M,SSTD0803M
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S3.i

Operator: CLM SRC: CLM
Column diameter: 0.25



Data File: S3E5155.D
Report Date: 15-Aug-2007 12:52

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\070809.B\S3E5155.D
Lab Smp Id: SSTD0803M Client Smp ID: SSTD0803M
Inj Date : 09-AUG-2007 16:22
Operator : CLM SRC: CLM Inst ID: S3.i
Smp Info : SSTD0803M,SSTD0803M
Misc Info : 1,3
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\070809.B\s3_olm4_2_S.m
Meth Date : 15-Aug-2007 12:52 cmosher Quant Type: ISTD
Cal Date : 09-AUG-2007 13:45 Cal File: S3E5151.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLMtolu.sub
Target Version: 4.14
Processing Host: TARGET111

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$	1 2-Fluorophenol	112	3.920	3.919	(0.702)	1792648	80.0000	79
	2 Benzaldehyde	77	4.967	4.966	(0.889)	882964	80.0000	79
$	3 Phenol-d5	99	4.983	4.982	(0.892)	2437709	80.0000	79
	4 Phenol	94	5.005	5.004	(0.896)	2491200	80.0000	79
	5 bis(2-Chloroethyl)Ether	93	5.165	5.164	(0.924)	1961034	80.0000	79
$	6 2-Chlorophenol-d4	132	5.250	5.249	(0.940)	1813233	80.0000	79
	7 2-Chlorophenol	128	5.272	5.276	(0.944)	1838449	80.0000	79
*	8 1,4-Dichlorobenzene-d4	152	5.587	5.591	(1.000)	726686	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.833	5.837	(1.044)	1355313	80.0000	79
	10 2-Methylphenol	108	5.929	5.928	(1.061)	1744798	80.0000	79
	11 2,2'-oxybis(1-Chloropropane)	45	5.988	5.992	(1.072)	2253678	80.0000	78
	13 4-Methylphenol	108	6.191	6.184	(1.108)	1852710	80.0000	78
	14 N-Nitroso-di-n-propylamine	70	6.223	6.216	(1.114)	1615002	80.0000	79
	12 Acetophenone	105	6.233	6.232	(1.116)	2744619	80.0000	80
	15 Hexachloroethane	117	6.426	6.430	(1.150)	845694	80.0000	79
$	16 Nitrobenzene-d5	82	6.506	6.499	(0.826)	2323046	80.0000	79
	17 Nitrobenzene	77	6.538	6.537	(0.830)	2404093	80.0000	79
	18 Isophorone	82	6.971	6.964	(0.885)	3709058	80.0000	80
	19 2-Nitrophenol	139	7.120	7.119	(0.904)	974934	80.0000	79
	20 2,4-Dimethylphenol	107	7.174	7.173	(0.911)	1791694	80.0000	78

Data File: S3E5155.D
Report Date: 15-Aug-2007 12:52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	21 bis(2-Chloroethoxy)methane	93	7.377	7.376	(0.936)	2239580	80.0000	79
	22 2,4-Dichlorophenol	162	7.580	7.579	(0.962)	1603437	80.0000	79
*	23 Naphthalene-d8	136	7.879	7.883	(1.000)	2632512	40.0000	
	24 Naphthalene	128	7.927	7.926	(1.006)	5051335	80.0000	82
	25 4-Chloroaniline	127	8.028	8.027	(1.019)	1986822	80.0000	80
	26 Hexachlorobutadiene	225	8.173	8.172	(1.037)	1250665	80.0000	79
	100 m-Toluic Acid	91	8.434	8.407	(1.071)	904918	80.0000	82
	102 p-Toluic Acid	91	8.803	8.754	(1.117)	1543872	80.0000	82
	27 Caprolactam	113	8.947	8.775	(1.136)	570364	80.0000	76
	101 o-Toluic Acid	91	8.947	8.893	(1.136)	1324974	80.0000	83
	28 4-Chloro-3-Methylphenol	107	9.091	9.085	(1.154)	1551435	80.0000	77
	29 2-Methylnaphthalene	142	9.396	9.400	(1.193)	3364477	80.0000	81
	30 Hexachlorocyclopentadiene	237	9.706	9.710	(0.860)	1169313	80.0000	81
	31 2,4,6-Trichlorophenol	196	9.957	9.956	(0.883)	1267288	80.0000	79
	32 2,4,5-Trichlorophenol	196	10.021	10.020	(0.888)	1387774	80.0000	78
$	33 2-Fluorobiphenyl	172	10.122	10.127	(0.897)	4345997	80.0000	82
	34 1,1'-Biphenyl	154	10.309	10.308	(0.914)	4380112	80.0000	83
	35 2-Chloronaphthalene	162	10.336	10.335	(0.916)	3618056	80.0000	81
	36 2-Nitroaniline	65	10.523	10.522	(0.933)	1176587	80.0000	78
	37 Dimethylphthalate	163	10.854	10.859	(0.962)	3761449	80.0000	81
	38 2,6-Dinitrotoluene	165	10.956	10.955	(0.971)	944330	80.0000	79
	39 Acenaphthylene	152	11.047	11.051	(0.979)	4932307	80.0000	82
	40 3-Nitroaniline	138	11.223	11.222	(0.995)	678174	80.0000	76
*	41 Acenaphthene-d10	164	11.282	11.281	(1.000)	1491203	40.0000	
	42 Acenaphthene	153	11.335	11.334	(1.005)	3364339	80.0000	82
	43 2,4-Dinitrophenol	184	11.399	11.398	(1.010)	463501	80.0000	74
	44 4-Nitrophenol	109	11.506	11.500	(1.020)	517345	80.0000	78
	46 2,4-Dinitrotoluene	165	11.602	11.601	(1.028)	1264041	80.0000	81
	45 Dibenzofuran	168	11.613	11.612	(1.029)	4851987	80.0000	83
	47 Diethylphthalate	149	11.976	11.980	(1.062)	3535864	80.0000	81
	48 Fluorene	166	12.131	12.135	(1.075)	4047813	80.0000	83
	49 4-Chlorophenyl-phenylether	204	12.136	12.141	(1.076)	2269336	80.0000	82
	50 4-Nitroaniline	138	12.168	12.162	(1.079)	623245	80.0000	76
	51 4,6-Dinitro-2-methylphenol	198	12.217	12.216	(0.908)	756321	80.0000	76
	52 N-Nitrosodiphenylamine	169	12.313	12.312	(0.915)	2892623	80.0000	81
$	53 2,4,6-Tribromophenol	330	12.484	12.488	(0.927)	654098	80.0000	80
	54 4-Bromophenyl-phenylether	248	12.842	12.846	(0.954)	1426117	80.0000	81
	55 Hexachlorobenzene	284	12.922	12.921	(0.960)	1505346	80.0000	80
	56 Atrazine	200	13.077	13.070	(0.971)	1304252	80.0000	80
	57 Pentachlorophenol	266	13.194	13.198	(0.980)	676328	80.0000	74
*	58 Phenanthrene-d10	188	13.461	13.466	(1.000)	2518715	40.0000	
	59 Phenanthrene	178	13.499	13.498	(1.003)	5319505	80.0000	83
	60 Anthracene	178	13.568	13.567	(1.008)	5296403	80.0000	82
	61 Carbazole	167	13.782	13.781	(1.024)	4499309	80.0000	82
	63 Fluoranthene	202	15.069	15.068	(1.119)	5489436	80.0000	82
	64 Pyrene	202	15.363	15.362	(0.910)	5736108	80.0000	80
$	65 Terphenyl-d14	244	15.539	15.538	(0.920)	4489407	80.0000	80
	62 Di-n-butylphthalate	149	14.220	14.219	(1.056)	5012015	80.0000	82
	66 Butylbenzylphthalate	149	16.143	16.142	(0.956)	2528130	80.0000	81
	67 3,3'-Dichlorobenzidine	252	16.821	16.820	(0.996)	1744195	80.0000	80
	71 bis(2-Ethylhexyl)phthalate	149	16.837	16.836	(0.997)	3477133	80.0000	83
	68 Benzo(a)anthracene	228	16.875	16.874	(0.999)	5920024	80.0000	80
*	69 Chrysene-d12	240	16.891	16.890	(1.000)	2984325	40.0000	
	70 Chrysene	228	16.923	16.922	(1.002)	5446413	80.0000	80

Data File: S3E5155.D
Report Date: 15-Aug-2007 12:52

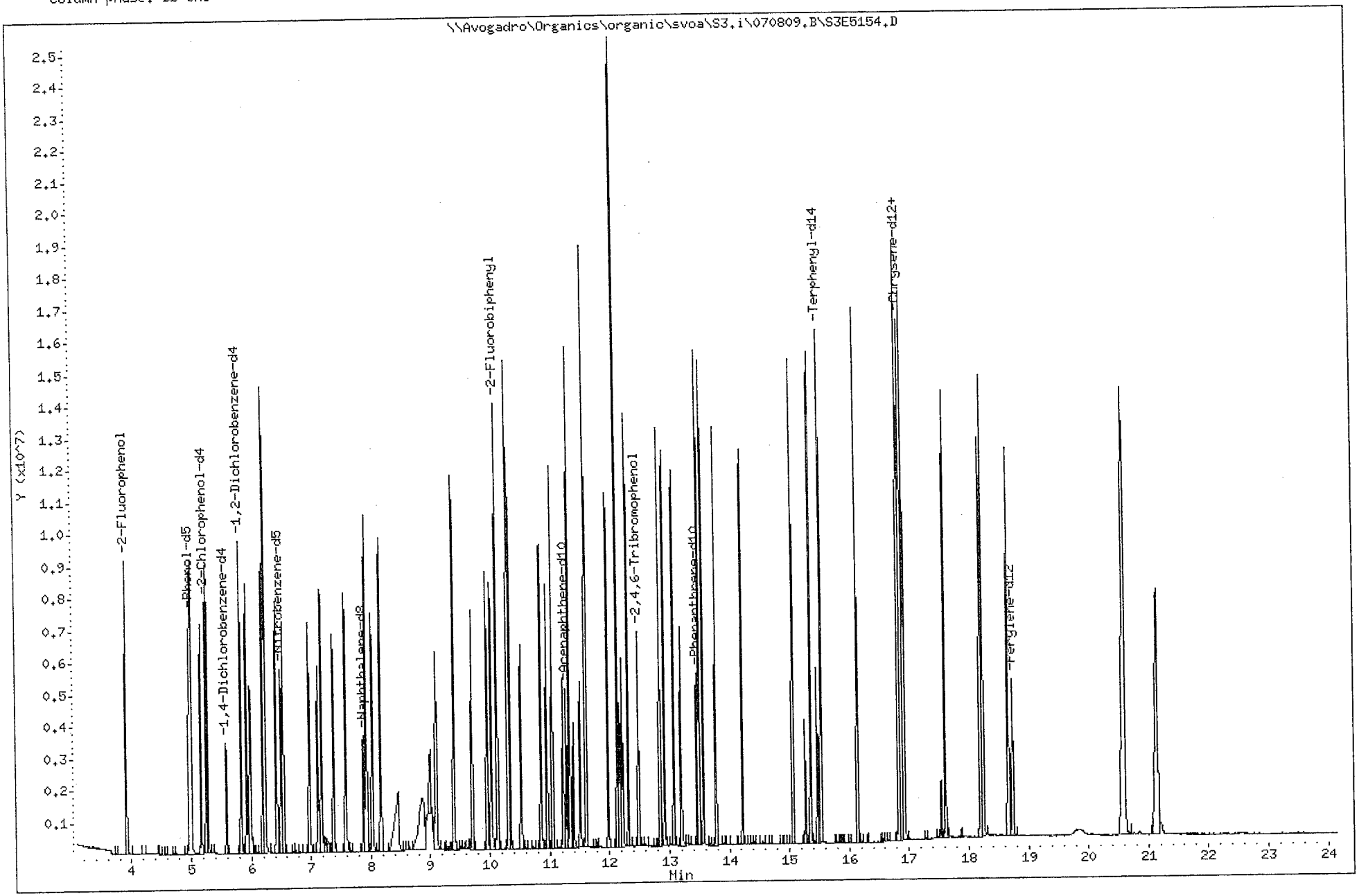
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	72 Di-n-octylphthalate	149	17.612	17.611	(0.940)	5164832	80.0000	82
	73 Benzo(b)fluoranthene	252	18.205	18.199	(0.971)	6213832	80.0000	81
	74 Benzo(k)fluoranthene	252	18.242	18.241	(0.973)	6198260	80.0000	82
	75 Benzo(a)pyrene	252	18.670	18.663	(0.996)	5848751	80.0000	81
*	76 Perylene-d12	264	18.739	18.744	(1.000)	2755544	40.0000	
	77 Indeno(1,2,3-cd)pyrene	276	20.577	20.571	(1.098)	7324896	80.0000	81
	78 Dibenzo(a,h)anthracene	278	20.593	20.587	(1.099)	6336746	80.0000	83
	79 Benzo(g,h,i)perylene	276	21.133	21.126	(1.128)	6397796	80.0000	80

SW 8/15/07

DM 8/15/07

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070809.B\S3E5154.D
Date : 09-AUG-2007 15:49
Client ID: SSTD1203M
Sample Info: SSTD1203M,SSTD1203M
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S3.i
Operator: CLM SRC: CLM
Column diameter: 0.25



Data File: S3E5154.D
Report Date: 15-Aug-2007 12:52

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\070809.B\S3E5154.D
Lab Smp Id: SSTD1203M Client Smp ID: SSTD1203M
Inj Date : 09-AUG-2007 15:49
Operator : CLM SRC: CLM Inst ID: S3.i
Smp Info : SSTD1203M,SSTD1203M
Misc Info : 1,4
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\070809.B\s3_olm4_2_S.m
Meth Date : 15-Aug-2007 12:52 cmosher Quant Type: ISTD
Cal Date : 09-AUG-2007 13:45 Cal File: S3E5151.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLMtolu.sub
Target Version: 4.14
Processing Host: TARGET111

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$	1 2-Fluorophenol	112	3.920	3.919	(0.702)	2666250	120.000	120
	2 Benzaldehyde	77	4.967	4.966	(0.889)	1296852	120.000	120
$	3 Phenol-d5	99	4.988	4.982	(0.893)	3639738	120.000	120
	4 Phenol	94	5.009	5.004	(0.897)	3684982	120.000	120
	5 bis(2-Chloroethyl)Ether	93	5.170	5.164	(0.925)	2917575	120.000	120
$	6 2-Chlorophenol-d4	132	5.250	5.249	(0.940)	2740113	120.000	120
	7 2-Chlorophenol	128	5.277	5.276	(0.945)	2753097	120.000	130
*	8 1,4-Dichlorobenzene-d4	152	5.586	5.591	(1.000)	690417	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.832	5.837	(1.044)	2041999	120.000	130
	10 2-Methylphenol	108	5.934	5.928	(1.062)	2613850	120.000	120
	11 2,2'-oxybis(1-Chloropropane)	45	5.992	5.992	(1.073)	3389425	120.000	120
	13 4-Methylphenol	108	6.201	6.184	(1.110)	2802924	120.000	120
	14 N-Nitroso-di-n-propylamine	70	6.233	6.216	(1.116)	2452520	120.000	130
	12 Acetophenone	105	6.238	6.232	(1.117)	4081233	120.000	120
	15 Hexachloroethane	117	6.425	6.430	(1.150)	1263606	120.000	120
$	16 Nitrobenzene-d5	82	6.511	6.499	(0.826)	3459846	120.000	120
	17 Nitrobenzene	77	6.543	6.537	(0.830)	3584989	120.000	120
	18 Isophorone	82	6.975	6.964	(0.885)	5420244	120.000	120
	19 2-Nitrophenol	139	7.125	7.119	(0.904)	1483075	120.000	130
	20 2,4-Dimethylphenol	107	7.178	7.173	(0.911)	2676188	120.000	120

Data File: S3E5154.D
Report Date: 15-Aug-2007 12:52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	21 bis(2-Chloroethoxy)methane	93	7.381	7.376	(0.936)	3370553	120.000	120
	22 2,4-Dichlorophenol	162	7.584	7.579	(0.962)	2439455	120.000	130
*	23 Naphthalene-d8	136	7.884	7.883	(1.000)	2498736	40.0000	
	24 Naphthalene	128	7.932	7.926	(1.006)	7050544	120.000	120
	25 4-Chloroaniline	127	8.033	8.027	(1.019)	3026351	120.000	130
	26 Hexachlorobutadiene	225	8.172	8.172	(1.037)	1890511	120.000	130
	100 m-Toluic Acid	91	8.471	8.407	(1.075)	1459190	120.000	140
	102 p-Toluic Acid	91	8.872	8.754	(1.125)	2703494	120.000	150(H)
	27 Caprolactam	113	8.989	8.775	(1.140)	934550	120.000	130
	101 o-Toluic Acid	91	9.000	8.893	(1.142)	1940557	120.000	130(H)
	28 4-Chloro-3-Methylphenol	107	9.102	9.085	(1.154)	2356015	120.000	120
	29 2-Methylnaphthalene	142	9.401	9.400	(1.192)	4924109	120.000	130
	30 Hexachlorocyclopentadiene	237	9.705	9.710	(0.860)	1851797	120.000	140
	31 2,4,6-Trichlorophenol	196	9.962	9.956	(0.883)	1932160	120.000	130
	32 2,4,5-Trichlorophenol	196	10.026	10.020	(0.889)	2128681	120.000	130
$	33 2-Fluorobiphenyl	172	10.127	10.127	(0.898)	6050348	120.000	120
	34 1,1'-Biphenyl	154	10.309	10.308	(0.914)	6017495	120.000	120
	35 2-Chloronaphthalene	162	10.341	10.335	(0.917)	5237852	120.000	120
	36 2-Nitroaniline	65	10.528	10.522	(0.933)	1778238	120.000	120
	37 Dimethylphthalate	163	10.864	10.859	(0.963)	5441438	120.000	120
	38 2,6-Dinitrotoluene	165	10.961	10.955	(0.972)	1447541	120.000	130
	39 Acenaphthylene	152	11.051	11.051	(0.980)	6743292	120.000	120
	40 3-Nitroaniline	138	11.233	11.222	(0.996)	1052615	120.000	120
*	41 Acenaphthene-d10	164	11.281	11.281	(1.000)	1422293	40.0000	
	42 Acenaphthene	153	11.340	11.334	(1.005)	4796567	120.000	120
	43 2,4-Dinitrophenol	184	11.404	11.398	(1.011)	793021	120.000	130
	44 4-Nitrophenol	109	11.511	11.500	(1.020)	792564	120.000	120
	46 2,4-Dinitrotoluene	165	11.607	11.601	(1.029)	1910693	120.000	130
	45 Dibenzofuran	168	11.618	11.612	(1.030)	6472430	120.000	120
	47 Diethylphthalate	149	11.981	11.980	(1.062)	5107725	120.000	120
	48 Fluorene	166	12.136	12.135	(1.076)	5372066	120.000	120
	49 4-Chlorophenyl-phenylether	204	12.141	12.141	(1.076)	3133812	120.000	120
	50 4-Nitroaniline	138	12.179	12.162	(1.080)	966338	120.000	120
	51 4,6-Dinitro-2-methylphenol	198	12.221	12.216	(0.908)	1228158	120.000	130
	52 N-Nitrosodiphenylamine	169	12.318	12.312	(0.915)	4202080	120.000	120
$	53 2,4,6-Tribromophenol	330	12.488	12.488	(0.927)	988887	120.000	130
	54 4-Bromophenyl-phenylether	248	12.846	12.846	(0.954)	2098953	120.000	120
	55 Hexachlorobenzene	284	12.927	12.921	(0.960)	2227826	120.000	120
	56 Atrazine	200	13.081	13.070	(0.971)	1989379	120.000	130
	57 Pentachlorophenol	266	13.199	13.198	(0.980)	1123955	120.000	130
*	58 Phenanthrene-d10	188	13.466	13.466	(1.000)	2412967	40.0000	
	59 Phenanthrene	178	13.503	13.498	(1.003)	6840887	120.000	110
	60 Anthracene	178	13.573	13.567	(1.008)	6820340	120.000	110
	61 Carbazole	167	13.787	13.781	(1.024)	6171849	120.000	120
	63 Fluoranthene	202	15.069	15.068	(1.119)	7051374	120.000	110
	64 Pyrene	202	15.368	15.362	(0.910)	7421454	120.000	100
$	65 Terphenyl-d14	244	15.544	15.538	(0.920)	5926160	120.000	110
	62 Di-n-butylphthalate	149	14.225	14.219	(1.056)	6572667	120.000	110
	66 Butylbenzylphthalate	149	16.142	16.142	(0.955)	3707131	120.000	120
	67 3,3'-Dichlorobenzidine	252	16.826	16.820	(0.996)	2495148	120.000	120
	71 bis(2-Ethylhexyl)phthalate	149	16.842	16.836	(0.997)	4892616	120.000	120
	68 Benzo(a)anthracene	228	16.880	16.874	(0.999)	7842237	120.000	110
*	69 Chrysene-d12	240	16.896	16.890	(1.000)	2948570	40.0000	
	70 Chrysene	228	16.928	16.922	(1.002)	7150159	120.000	110

Data File: S3E5154.D
Report Date: 15-Aug-2007 12:52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	72 Di-n-octylphthalate	149	17.612	17.611	(0.940)	6702620	120.000	110
	73 Benzo(b)fluoranthene	252	18.210	18.199	(0.972)	8628415	120.000	110
	74 Benzo(k)fluoranthene	252	18.247	18.241	(0.973)	8425571	120.000	110
	75 Benzo(a)pyrene	252	18.675	18.663	(0.996)	8278482	120.000	120
*	76 Perylene-d12	264	18.744	18.744	(1.000)	2744306	40.0000	
	77 Indeno(1,2,3-cd)pyrene	276	20.592	20.571	(1.099)	10943662	120.000	120
	78 Dibenzo(a,h)anthracene	278	20.609	20.587	(1.099)	8962829	120.000	120
	79 Benzo(g,h,i)perylene	276	21.153	21.126	(1.129)	9693413	120.000	120

QC Flag Legend

H - Operator selected an alternate compound hit.

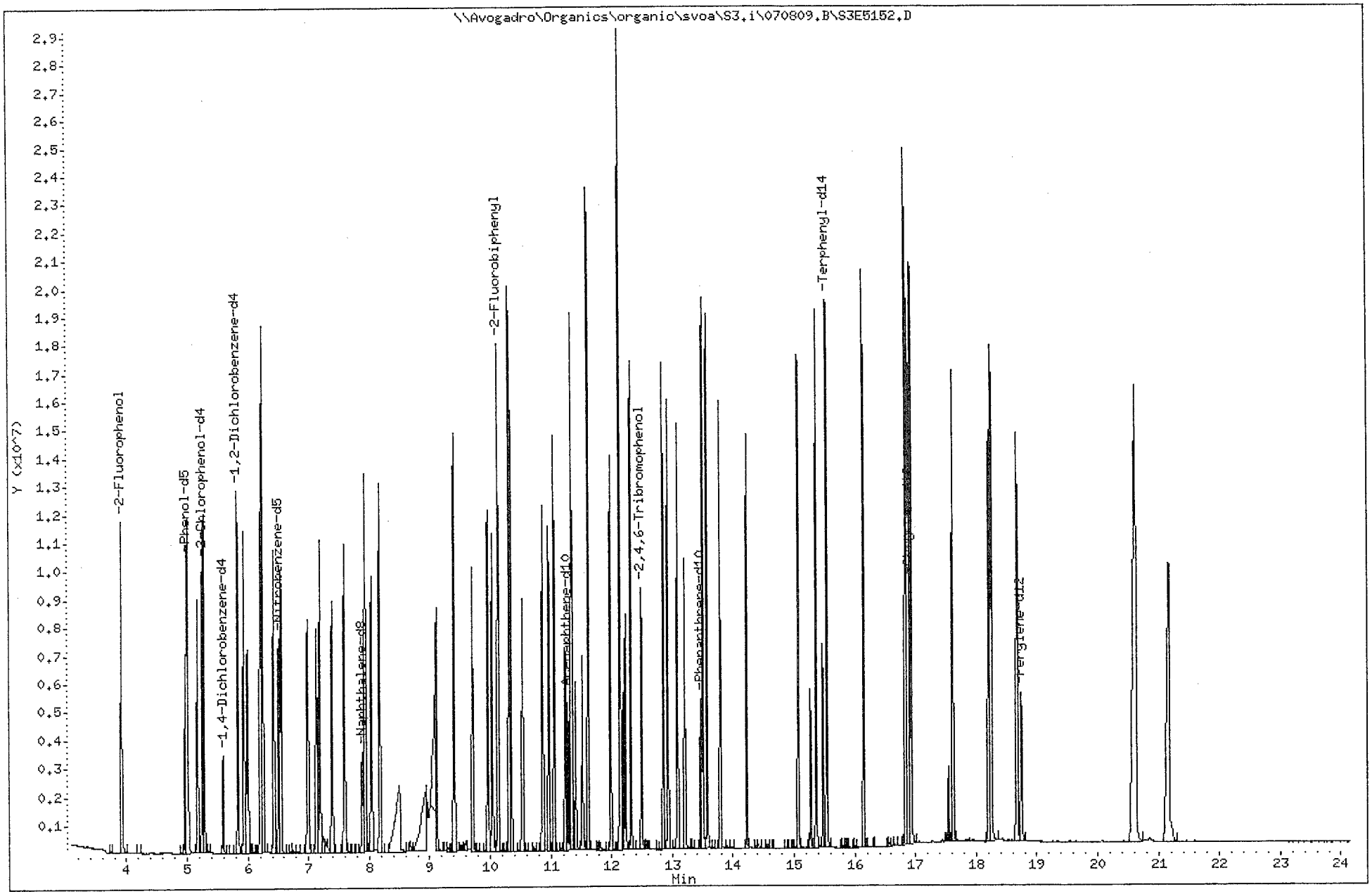
SW 8/15/07

8/15/07

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070809.B\S3E5152.D
Date : 09-AUG-2007 14:43
Client ID: SSTD1603M
Sample Info: SSTD1603M,SSTD1603M
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S3.i

Operator: CLM SRC: CLM
Column diameter: 0.25



Data File: S3E5152.D
Report Date: 15-Aug-2007 12:52

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\070809.B\S3E5152.D
Lab Smp Id: SSTD1603M Client Smp ID: SSTD1603M
Inj Date : 09-AUG-2007 14:43
Operator : CLM SRC: CLM Inst ID: S3.i
Smp Info : SSTD1603M,SSTD1603M
Misc Info : 1,5
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\070809.B\s3_olm4_2_S.m
Meth Date : 15-Aug-2007 12:52 cmosher Quant Type: ISTD
Cal Date : 09-AUG-2007 13:45 Cal File: S3E5151.D
Als bottle: 2 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLMtolu.sub
Target Version: 4.14
Processing Host: TARGET111

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$	1 2-Fluorophenol	112	3.920	3.919	(0.701)	3612673	160.000	160(A)
	2 Benzaldehyde	77	4.973	4.966	(0.889)	1783905	160.000	160(A)
$	3 Phenol-d5	99	4.999	4.982	(0.894)	5012433	160.000	170(A)
	4 Phenol	94	5.021	5.004	(0.898)	4997784	160.000	160(A)
	5 bis(2-Chloroethyl)Ether	93	5.176	5.164	(0.925)	3965390	160.000	160(A)
$	6 2-Chlorophenol-d4	132	5.256	5.249	(0.940)	3796813	160.000	170(A)
	7 2-Chlorophenol	128	5.283	5.276	(0.945)	3780686	160.000	170(A)
*	8 1,4-Dichlorobenzene-d4	152	5.592	5.591	(1.000)	706727	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.838	5.837	(1.044)	2814122	160.000	170(A)
	10 2-Methylphenol	108	5.940	5.928	(1.062)	3659937	160.000	170(A)
	11 2,2'-oxybis(1-Chloropropane)	45	5.998	5.992	(1.073)	4650715	160.000	170(A)
	13 4-Methylphenol	108	6.212	6.184	(1.111)	3923506	160.000	170(A)
	14 N-Nitroso-di-n-propylamine	70	6.250	6.216	(1.117)	3397614	160.000	170(A)
	12 Acetophenone	105	6.250	6.232	(1.117)	5600045	160.000	170(A)
	15 Hexachloroethane	117	6.431	6.430	(1.150)	1759786	160.000	170(A)
$	16 Nitrobenzene-d5	82	6.517	6.499	(0.827)	4798443	160.000	160(A)
	17 Nitrobenzene	77	6.554	6.537	(0.831)	4856365	160.000	160(A)
	18 Isophorone	82	6.987	6.964	(0.886)	7463076	160.000	160(A)
	19 2-Nitrophenol	139	7.131	7.119	(0.904)	2109107	160.000	170(A)
	20 2,4-Dimethylphenol	107	7.190	7.173	(0.912)	3711653	160.000	160(A)

Data File: S3E5152.D
Report Date: 15-Aug-2007 12:52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	21 bis(2-Chloroethoxy)methane	93	7.393	7.376	(0.938)	4657671	160.000	160(A)
	22 2,4-Dichlorophenol	162	7.596	7.579	(0.963)	3401922	160.000	170(A)
*	23 Naphthalene-d8	136	7.884	7.883	(1.000)	2623673	40.0000	
	24 Naphthalene	128	7.938	7.926	(1.007)	8742418	160.000	140
	25 4-Chloroaniline	127	8.039	8.027	(1.020)	4179902	160.000	170(A)
	26 Hexachlorobutadiene	225	8.178	8.172	(1.037)	2601988	160.000	170(A)
	100 m-Toluic Acid	91	8.504	8.407	(1.079)	2131736	160.000	190(A)
	102 p-Toluic Acid	91	8.942	8.754	(1.134)	4037501	160.000	210(AH)
	27 Caprolactam	113	9.118	8.775	(1.157)	1358121	160.000	180(AH)
	101 o-Toluic Acid	91	9.060	8.893	(1.149)	2728510	160.000	170(AH)
	28 4-Chloro-3-Methylphenol	107	9.118	9.085	(1.157)	3494254	160.000	170(A)
	29 2-Methylnaphthalene	142	9.407	9.400	(1.193)	6526089	160.000	160
	30 Hexachlorocyclopentadiene	237	9.711	9.710	(0.860)	2556549	160.000	180(A)
	31 2,4,6-Trichlorophenol	196	9.968	9.956	(0.883)	2721056	160.000	170(A)
	32 2,4,5-Trichlorophenol	196	10.037	10.020	(0.889)	2954858	160.000	170(A)
$	33 2-Fluorobiphenyl	172	10.133	10.127	(0.898)	7533868	160.000	140
	34 1,1'-Biphenyl	154	10.320	10.308	(0.914)	7349294	160.000	140
	35 2-Chloronaphthalene	162	10.347	10.335	(0.917)	6821082	160.000	150
	36 2-Nitroaniline	65	10.539	10.522	(0.934)	2475977	160.000	170(A)
	37 Dimethylphthalate	163	10.870	10.859	(0.963)	7179762	160.000	150
	38 2,6-Dinitrotoluene	165	10.972	10.955	(0.972)	2080716	160.000	170(A)
	39 Acenaphthylene	152	11.057	11.051	(0.980)	8210052	160.000	140
	40 3-Nitroaniline	138	11.244	11.222	(0.996)	1496278	160.000	170(A)
*	41 Acenaphthene-d10	164	11.287	11.281	(1.000)	1483952	40.0000	
	42 Acenaphthene	153	11.346	11.334	(1.005)	6101280	160.000	150
	43 2,4-Dinitrophenol	184	11.410	11.398	(1.011)	1202761	160.000	190(A)
	44 4-Nitrophenol	109	11.522	11.500	(1.021)	1111621	160.000	170(A)
	46 2,4-Dinitrotoluene	165	11.618	11.601	(1.029)	2577543	160.000	170(A)
	45 Dibenzofuran	168	11.624	11.612	(1.030)	7763831	160.000	130
	47 Diethylphthalate	149	11.992	11.980	(1.062)	6504499	160.000	150
	48 Fluorene	166	12.142	12.135	(1.076)	6495106	160.000	130
	49 4-Chlorophenyl-phenylether	204	12.147	12.141	(1.076)	3975267	160.000	140
	50 4-Nitroaniline	138	12.190	12.162	(1.080)	1371612	160.000	170(A)
	51 4,6-Dinitro-2-methylphenol	198	12.233	12.216	(0.908)	1777640	160.000	180(A)
	52 N-Nitrosodiphenylamine	169	12.324	12.312	(0.915)	5485121	160.000	150
$	53 2,4,6-Tribromophenol	330	12.494	12.488	(0.927)	1389522	160.000	170(A)
	54 4-Bromophenyl-phenylether	248	12.852	12.846	(0.954)	2767823	160.000	160
	55 Hexachlorobenzene	284	12.933	12.921	(0.960)	2992356	160.000	160
	56 Atrazine	200	13.087	13.070	(0.971)	2757991	160.000	170(A)
	57 Pentachlorophenol	266	13.205	13.198	(0.980)	1685245	160.000	180(A)
*	58 Phenanthrene-d10	188	13.472	13.466	(1.000)	2535352	40.0000	
	59 Phenanthrene	178	13.509	13.498	(1.003)	8026445	160.000	120
	60 Anthracene	178	13.579	13.567	(1.008)	8108576	160.000	130
	61 Carbazole	167	13.793	13.781	(1.024)	7454847	160.000	140
	63 Fluoranthene	202	15.080	15.068	(1.119)	8462296	160.000	130
	64 Pyrene	202	15.374	15.362	(0.910)	8614573	160.000	120
$	65 Terphenyl-d14	244	15.545	15.538	(0.920)	7154641	160.000	120
	62 Di-n-butylphthalate	149	14.231	14.219	(1.056)	7564369	160.000	120
	66 Butylbenzylphthalate	149	16.149	16.142	(0.955)	4820830	160.000	150
	67 3,3'-Dichlorobenzidine	252	16.832	16.820	(0.996)	3149973	160.000	140
	71 bis(2-Ethylhexyl)phthalate	149	16.843	16.836	(0.997)	5822524	160.000	130
	68 Benzo(a)anthracene	228	16.886	16.874	(0.999)	9350216	160.000	120
*	69 Chrysene-d12	240	16.902	16.890	(1.000)	3064400	40.0000	
	70 Chrysene	228	16.939	16.922	(1.002)	8411943	160.000	120

Data File: S3E5152.D
Report Date: 15-Aug-2007 12:52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	72 Di-n-octylphthalate	149	17.618	17.611	(0.940)	8081638	160.000	120
	73 Benzo(b)fluoranthene	252	18.216	18.199	(0.972)	11428952	160.000	140
	74 Benzo(k)fluoranthene	252	18.259	18.241	(0.974)	9685818	160.000	120
	75 Benzo(a)pyrene	252	18.686	18.663	(0.997)	10544049	160.000	140
*	76 Perylene-d12	264	18.750	18.744	(1.000)	2928925	40.0000	
	77 Indeno(1,2,3-cd)pyrene	276	20.599	20.571	(1.099)	14566046	160.000	150
	78 Dibenzo(a,h)anthracene	278	20.631	20.587	(1.100)	11516944	160.000	140
	79 Benzo(g,h,i)perylene	276	21.175	21.126	(1.129)	12862545	160.000	150

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

SW 8/15/07

W 8/15/07

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Instrument ID: S3 Calibration Date: 08/09/07 Time: 1734

Lab File ID: S3E5161 Init. Calib. Date(s): 08/09/07 08/09/07

EPA Sample No.(SSTD050##): SSTD0503N Init. Calib. Times: 1345 1622

GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.615	0.644		4.7	
Phenol	1.729	1.759	0.800	1.7	25.0
bis(2-Chloroethyl)Ether	1.366	1.389	0.700	1.7	25.0
2-Chlorophenol	1.275	1.269	0.800	-0.5	25.0
2-Methylphenol	1.222	1.232	0.700	0.8	25.0
2,2'-oxybis(1-Chloropropane)	1.584	1.931		21.9	
Acetophenone	1.892	1.959		3.5	
4-Methylphenol	1.303	1.323	0.600	1.5	25.0
N-Nitroso-di-n-propylamine	1.124	1.165	0.500	3.6	25.0
Hexachloroethane	0.588	0.569	0.300	-3.2	25.0
Nitrobenzene	0.460	0.459	0.200	-0.2	25.0
Isophorone	0.705	0.723	0.400	2.6	25.0
2-Nitrophenol	0.187	0.180	0.100	-3.7	25.0
2,4-Dimethylphenol	0.347	0.342	0.200	-1.4	25.0
bis(2-Chloroethoxy)methane	0.432	0.432	0.300	0.0	25.0
2,4-Dichlorophenol	0.308	0.298	0.200	-3.2	25.0
Naphthalene	0.934	0.974	0.700	4.3	25.0
4-Chloroaniline	0.379	0.382		0.8	
Hexachlorobutadiene	0.240	0.232		-3.3	
Caprolactam	0.114	0.113		-0.9	
4-Chloro-3-Methylphenol	0.304	0.301	0.200	-1.0	25.0
2-Methylnaphthalene	0.630	0.639	0.400	1.4	25.0
Hexachlorocyclopentadiene	0.386	0.337		-12.7	
2,4,6-Trichlorophenol	0.431	0.410	0.200	-4.9	25.0
2,4,5-Trichlorophenol	0.478	0.453	0.200	-5.2	25.0
1,1'-Biphenyl	1.415	1.485		4.9	
2-Chloronaphthalene	1.193	1.193	0.800	0.0	25.0
2-Nitroaniline	0.404	0.401		-0.7	
Dimethylphthalate	1.249	1.291		3.4	
2,6-Dinitrotoluene	0.321	0.312	0.200	-2.8	25.0
Acenaphthylene	1.605	1.701	0.900	6.0	25.0
3-Nitroaniline	0.239	0.233		-2.5	
Acenaphthene	1.103	1.144	0.900	3.7	25.0
2,4-Dinitrophenol	0.167	0.128		-23.4	
4-Nitrophenol	0.179	0.174		-2.8	
Dibenzofuran	1.560	1.693	0.800	8.5	25.0

All other compounds must meet a minimum RRF of 0.010.

7D

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Instrument ID: S3 Calibration Date: 08/09/07 Time: 1734

Lab File ID: S3E5161 Init. Calib. Date(s): 08/09/07 08/09/07

EPA Sample No.(SSTD050##): SSTD0503N Init. Calib. Times: 1345 1622

GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
2,4-Dinitrotoluene	0.418	0.420	0.200	0.5	25.0
Diethylphthalate	1.167	1.222		4.7	
Fluorene	1.305	1.443	0.900	10.6	25.0
4-Chlorophenyl-phenylether	0.739	0.788	0.400	6.6	25.0
4-Nitroaniline	0.220	0.207		-5.9	
4,6-Dinitro-2-methylphenol	0.158	0.131		-17.1	
N-Nitrosodiphenylamine(1)	0.565	0.579		2.5	
4-Bromophenyl-phenylether	0.280	0.279	0.100	-0.4	25.0
Hexachlorobenzene	0.298	0.297	0.100	-0.3	25.0
Atrazine	0.260	0.257		-1.2	
Pentachlorophenol	0.145	0.119	0.050	-17.9	25.0
Phenanthrene	1.018	1.125	0.700	10.5	25.0
Anthracene	1.023	1.138	0.700	11.2	25.0
Carbazole	0.871	0.927		6.4	
Di-n-butylphthalate	0.974	1.097		12.6	
Fluoranthene	1.058	1.178	0.600	11.3	25.0
Pyrene	0.960	1.094	0.600	14.0	25.0
Butylbenzylphthalate	0.420	0.434		3.3	
3,3'-Dichlorobenzidine	0.293	0.308		5.1	
Benzo(a)anthracene	0.986	1.093	0.800	10.9	25.0
Chrysene	0.907	1.013	0.700	11.7	25.0
bis(2-Ethylhexyl)phthalate	0.565	0.609		7.8	
Di-n-octylphthalate	0.914	1.047		14.6	
Benzo(b)fluoranthene	1.118	1.214	0.700	8.6	25.0
Benzo(k)fluoranthene	1.099	1.247	0.700	13.5	25.0
Benzo(a)pyrene	1.045	1.136	0.700	8.7	25.0
Indeno(1,2,3-cd)pyrene	1.320	1.376	0.500	4.2	25.0
Dibenzo(a,h)anthracene	1.110	1.195	0.400	7.7	25.0
Benzo(g,h,i)perylene	1.154	1.168	0.500	1.2	25.0
Nitrobenzene-d5	0.446	0.441	0.200	-1.1	25.0
2-Fluorobiphenyl	1.415	1.469	0.700	3.8	25.0
Terphenyl-d14	0.748	0.828	0.500	10.7	25.0
Phenol-d5	1.695	1.719	0.800	1.4	25.0
2-Fluorophenol	1.245	1.221	0.600	-1.9	25.0
2,4,6-Tribromophenol	0.131	0.123		-6.1	
2-Chlorophenol-d4	1.270	1.254	0.800	-1.3	25.0
1,2-Dichlorobenzene-d4	0.944	0.930	0.400	-1.5	25.0

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Instrument ID: S3 Calibration Date: 08/10/07 Time: 1340

Lab File ID: S3E5191A Init. Calib. Date(s): 08/09/07 08/09/07

EPA Sample No.(SSTD050##): SSTD0503O Init. Calib. Times: 1345 1622

GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Benzaldehyde	0.615	0.606		-1.5	
Phenol	1.729	1.729	0.800	0.0	25.0
bis(2-Chloroethyl)Ether	1.366	1.352	0.700	-1.0	25.0
2-Chlorophenol	1.275	1.240	0.800	-2.7	25.0
2-Methylphenol	1.222	1.205	0.700	-1.4	25.0
2,2'-oxybis(1-Chloropropane)	1.584	1.884		18.9	
Acetophenone	1.892	1.921		1.5	
4-Methylphenol	1.303	1.275	0.600	-2.1	25.0
N-Nitroso-di-n-propylamine	1.124	1.114	0.500	-0.9	25.0
Hexachloroethane	0.588	0.575	0.300	-2.2	25.0
Nitrobenzene	0.460	0.452	0.200	-1.7	25.0
Isophorone	0.705	0.712	0.400	1.0	25.0
2-Nitrophenol	0.187	0.180	0.100	-3.7	25.0
2,4-Dimethylphenol	0.347	0.341	0.200	-1.7	25.0
bis(2-Chloroethoxy)methane	0.432	0.426	0.300	-1.4	25.0
2,4-Dichlorophenol	0.308	0.298	0.200	-3.2	25.0
Naphthalene	0.934	0.979	0.700	4.8	25.0
4-Chloroaniline	0.379	0.381		0.5	
Hexachlorobutadiene	0.240	0.233		-2.9	
Caprolactam	0.114	0.112		-1.8	
4-Chloro-3-Methylphenol	0.304	0.300	0.200	-1.3	25.0
2-Methylnaphthalene	0.630	0.635	0.400	0.8	25.0
Hexachlorocyclopentadiene	0.386	0.356		-7.8	
2,4,6-Trichlorophenol	0.431	0.415	0.200	-3.7	25.0
2,4,5-Trichlorophenol	0.478	0.453	0.200	-5.2	25.0
1,1'-Biphenyl	1.415	1.483		4.8	
2-Chloronaphthalene	1.193	1.197	0.800	0.3	25.0
2-Nitroaniline	0.404	0.400		-1.0	
Dimethylphthalate	1.249	1.289		3.2	
2,6-Dinitrotoluene	0.321	0.306	0.200	-4.7	25.0
Acenaphthylene	1.605	1.700	0.900	5.9	25.0
3-Nitroaniline	0.239	0.231		-3.3	
Acenaphthene	1.103	1.134	0.900	2.8	25.0
2,4-Dinitrophenol	0.167	0.141		-15.6	
4-Nitrophenol	0.179	0.179		0.0	
Dibenzofuran	1.560	1.702	0.800	9.1	25.0

All other compounds must meet a minimum RRF of 0.010.

7D
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Instrument ID: S3 Calibration Date: 08/10/07 Time: 1340

Lab File ID: S3E5191A Init. Calib. Date(s): 08/09/07 08/09/07

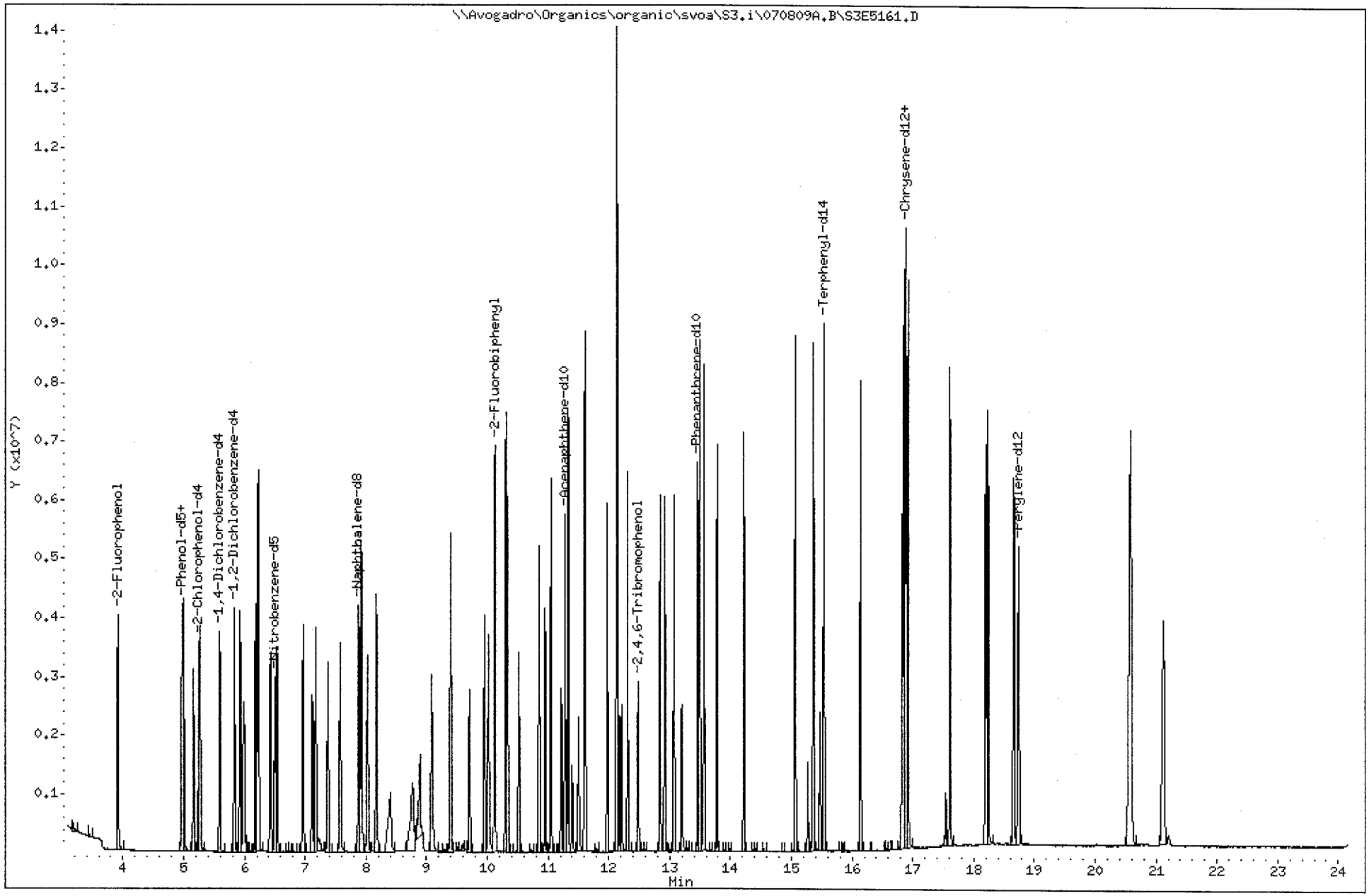
EPA Sample No.(SSTD050##): SSTD0503O Init. Calib. Times: 1345 1622

GC Column: DB-5MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
2,4-Dinitrotoluene	0.418	0.429	0.200	2.6	25.0
Diethylphthalate	1.167	1.231		5.5	
Fluorene	1.305	1.443	0.900	10.6	25.0
4-Chlorophenyl-phenylether	0.739	0.789	0.400	6.8	25.0
4-Nitroaniline	0.220	0.192		-12.7	
4,6-Dinitro-2-methylphenol	0.158	0.140		-11.4	
N-Nitrosodiphenylamine(1)	0.565	0.572		1.2	
4-Bromophenyl-phenylether	0.280	0.277	0.100	-1.1	25.0
Hexachlorobenzene	0.298	0.297	0.100	-0.3	25.0
Atrazine	0.260	0.258		-0.8	
Pentachlorophenol	0.145	0.131	0.050	-9.7	25.0
Phenanthrene	1.018	1.136	0.700	11.6	25.0
Anthracene	1.023	1.142	0.700	11.6	25.0
Carbazole	0.871	0.923		6.0	
Di-n-butylphthalate	0.974	1.116		14.6	
Fluoranthene	1.058	1.216	0.600	14.9	25.0
Pyrene	0.960	1.085	0.600	13.0	25.0
Butylbenzylphthalate	0.420	0.431		2.6	
3,3'-Dichlorobenzidine	0.293	0.297		1.4	
Benzo(a)anthracene	0.986	1.108	0.800	12.4	25.0
Chrysene	0.907	1.018	0.700	12.2	25.0
bis(2-Ethylhexyl)phthalate	0.565	0.611		8.1	
Di-n-octylphthalate	0.914	1.053		15.2	
Benzo(b)fluoranthene	1.118	1.223	0.700	9.4	25.0
Benzo(k)fluoranthene	1.099	1.219	0.700	10.9	25.0
Benzo(a)pyrene	1.045	1.117	0.700	6.9	25.0
Indeno(1,2,3-cd)pyrene	1.320	1.339	0.500	1.4	25.0
Dibenzo(a,h)anthracene	1.110	1.167	0.400	5.1	25.0
Benzo(g,h,i)perylene	1.154	1.148	0.500	-0.5	25.0
Nitrobenzene-d5	0.446	0.438	0.200	-1.8	25.0
2-Fluorobiphenyl	1.415	1.455	0.700	2.8	25.0
Terphenyl-d14	0.748	0.817	0.500	9.2	25.0
Phenol-d5	1.695	1.660	0.800	-2.1	25.0
2-Fluorophenol	1.245	1.200	0.600	-3.6	25.0
2,4,6-Tribromophenol	0.131	0.128		-2.3	
2-Chlorophenol-d4	1.270	1.239	0.800	-2.4	25.0
1,2-Dichlorobenzene-d4	0.944	0.920	0.400	-2.5	25.0

(1) Cannot be separated from Diphenylamine
All other compounds must meet a minimum RRF of 0.010.

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\S3E5161.D
Date : 09-AUG-2007 17:34
Client ID: SSTD0503N
Instrument: S3.i
Sample Info: SSTD0503N,SSTD0503N
Volume Injected (uL): 2.0
Operator: CLM SRC: CLM
Column phase: DB-5MS
Column diameter: 0.25



Data File: S3E5161.D
Report Date: 16-Aug-2007 16:18

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\S3E5161.D
Lab Smp Id: SSTD0503N Client Smp ID: SSTD0503N
Inj Date : 09-AUG-2007 17:34
Operator : CLM SRC: CLM Inst ID: S3.i
Smp Info : SSTD0503N,SSTD0503N
Misc Info : 2,2
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\s3_olm4_2_S.m
Meth Date : 16-Aug-2007 16:18 S3.i Quant Type: ISTD
Cal Date : 09-AUG-2007 17:34 Cal File: S3E5161.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.14
Processing Host: TARGET112

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$ 1	2-Fluorophenol	112	3.917	3.917	(0.701)	1119296	50.0000	49
2	Benzaldehyde	77	4.969	4.969	(0.889)	590198	50.0000	52
$ 3	Phenol-d5	99	4.980	4.980	(0.891)	1575298	50.0000	51
4	Phenol	94	5.001	5.001	(0.895)	1611900	50.0000	51
5	bis(2-Chloroethyl)Ether	93	5.161	5.161	(0.924)	1273021	50.0000	51
$ 6	2-Chlorophenol-d4	132	5.247	5.247	(0.939)	1148873	50.0000	49
7	2-Chlorophenol	128	5.273	5.273	(0.944)	1162963	50.0000	50
* 8	1,4-Dichlorobenzene-d4	152	5.589	5.589	(1.000)	733199	40.0000	
$ 9	1,2-Dichlorobenzene-d4	152	5.834	5.834	(1.044)	852718	50.0000	49
10	2-Methylphenol	108	5.925	5.925	(1.060)	1128985	50.0000	50
11	2,2'-oxybis(1-Chloropropane)	45	5.989	5.989	(1.072)	1769742	50.0000	61
12	Acetophenone	105	6.230	6.230	(1.115)	1795669	50.0000	52
13	4-Methylphenol	108	6.182	6.182	(1.106)	1212259	50.0000	51
14	N-Nitroso-di-n-propylamine	70	6.219	6.219	(1.113)	1067986	50.0000	52
15	Hexachloroethane	117	6.427	6.427	(1.150)	521938	50.0000	48
$ 16	Nitrobenzene-d5	82	6.502	6.502	(0.825)	1533845	50.0000	50
17	Nitrobenzene	77	6.534	6.534	(0.829)	1596321	50.0000	50
18	Isophorone	82	6.967	6.967	(0.884)	2511491	50.0000	51
19	2-Nitrophenol	139	7.116	7.116	(0.903)	625231	50.0000	48
20	2,4-Dimethylphenol	107	7.170	7.170	(0.910)	1188408	50.0000	49

Data File: S3E5161.D
Report Date: 16-Aug-2007 16:18

			QUANT SIG					AMOUNTS	
								CAL-AMT	ON-COL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
	21	bis(2-Chloroethoxy)methane	93	7.373	7.373	(0.936)	1501088	50.0000	50
	22	2,4-Dichlorophenol	162	7.576	7.576	(0.961)	1035313	50.0000	48
*	23	Naphthalene-d8	136	7.880	7.880	(1.000)	2780385	40.0000	
	24	Naphthalene	128	7.923	7.923	(1.005)	3384777	50.0000	52
	25	4-Chloroaniline	127	8.025	8.025	(1.018)	1326115	50.0000	50
	26	Hexachlorobutadiene	225	8.169	8.169	(1.037)	804859	50.0000	48
	27	Caprolactam	113	8.773	8.773	(1.113)	393057	50.0000	50
	28	4-Chloro-3-Methylphenol	107	9.082	9.082	(1.153)	1044736	50.0000	49
	29	2-Methylnaphthalene	142	9.398	9.398	(1.193)	2221519	50.0000	51
	30	Hexachlorocyclopentadiene	237	9.707	9.707	(0.861)	682700	50.0000	44
	31	2,4,6-Trichlorophenol	196	9.953	9.953	(0.883)	831614	50.0000	48
	32	2,4,5-Trichlorophenol	196	10.017	10.017	(0.888)	918582	50.0000	47
$	33	2-Fluorobiphenyl	172	10.124	10.124	(0.898)	2977568	50.0000	52
	34	1,1'-Biphenyl	154	10.306	10.306	(0.914)	3010034	50.0000	52
	35	2-Chloronaphthalene	162	10.332	10.332	(0.916)	2417954	50.0000	50
	36	2-Nitroaniline	65	10.519	10.519	(0.933)	813194	50.0000	50
	37	Dimethylphthalate	163	10.856	10.856	(0.963)	2615446	50.0000	52
	38	2,6-Dinitrotoluene	165	10.952	10.952	(0.971)	631566	50.0000	49
	39	Acenaphthylene	152	11.048	11.048	(0.980)	3447704	50.0000	53
	40	3-Nitroaniline	138	11.219	11.219	(0.995)	472329	50.0000	49
*	41	Acenaphthene-d10	164	11.278	11.278	(1.000)	1621250	40.0000	
	42	Acenaphthene	153	11.331	11.331	(1.005)	2317551	50.0000	52
	43	2,4-Dinitrophenol	184	11.396	11.396	(1.010)	259721	50.0000	38
	44	4-Nitrophenol	109	11.497	11.497	(1.019)	352792	50.0000	49
	45	Dibenzofuran	168	11.609	11.609	(1.029)	3430074	50.0000	54
	46	2,4-Dinitrotoluene	165	11.599	11.599	(1.028)	851448	50.0000	50
	47	Diethylphthalate	149	11.978	11.978	(1.062)	2477388	50.0000	52
	48	Fluorene	166	12.133	12.133	(1.076)	2924324	50.0000	55
	49	4-Chlorophenyl-phenylether	204	12.138	12.138	(1.076)	1597021	50.0000	53
	50	4-Nitroaniline	138	12.165	12.165	(1.079)	420337	50.0000	47
	51	4,6-Dinitro-2-methylphenol	198	12.213	12.213	(0.907)	453389	50.0000	42
	52	N-Nitrosodiphenylamine	169	12.314	12.314	(0.915)	2006953	50.0000	51
$	53	2,4,6-Tribromophenol	330	12.485	12.485	(0.927)	427979	50.0000	47
	54	4-Bromophenyl-phenylether	248	12.843	12.843	(0.954)	968966	50.0000	50
	55	Hexachlorobenzene	284	12.918	12.918	(0.960)	1030932	50.0000	50
	56	Atrazine	200	13.073	13.073	(0.971)	890323	50.0000	49
	57	Pentachlorophenol	266	13.196	13.196	(0.980)	411476	50.0000	41
*	58	Phenanthrene-d10	188	13.463	13.463	(1.000)	2774055	40.0000	
	59	Phenanthrene	178	13.500	13.500	(1.003)	3899642	50.0000	55
	60	Anthracene	178	13.564	13.564	(1.008)	3944863	50.0000	56
	61	Carbazole	167	13.778	13.778	(1.023)	3214023	50.0000	53
	62	Di-n-butylphthalate	149	14.222	14.222	(1.056)	3805553	50.0000	56
	63	Fluoranthene	202	15.066	15.066	(1.119)	4083084	50.0000	56
	64	Pyrene	202	15.359	15.359	(0.910)	4336256	50.0000	57
$	65	Terphenyl-d14	244	15.536	15.536	(0.920)	3282676	50.0000	55
	66	Butylbenzylphthalate	149	16.139	16.139	(0.956)	1719124	50.0000	52
	67	3,3'-Dichlorobenzidine	252	16.818	16.818	(0.996)	1222925	50.0000	53
	68	Benzo(a)anthracene	228	16.871	16.871	(0.999)	4334007	50.0000	55
*	69	Chrysene-d12	240	16.887	16.887	(1.000)	3172273	40.0000	
	70	Chrysene	228	16.919	16.919	(1.002)	4018549	50.0000	56
	71	bis(2-Ethylhexyl)phthalate	149	16.839	16.839	(0.997)	2413160	50.0000	54
	72	Di-n-octylphthalate	149	17.608	17.608	(0.940)	3728119	50.0000	57
	73	Benzo(b)fluoranthene	252	18.201	18.201	(0.971)	4320879	50.0000	54
	74	Benzo(k)fluoranthene	252	18.239	18.239	(0.973)	4437971	50.0000	57

Data File: S3E5161.D
Report Date: 16-Aug-2007 16:18

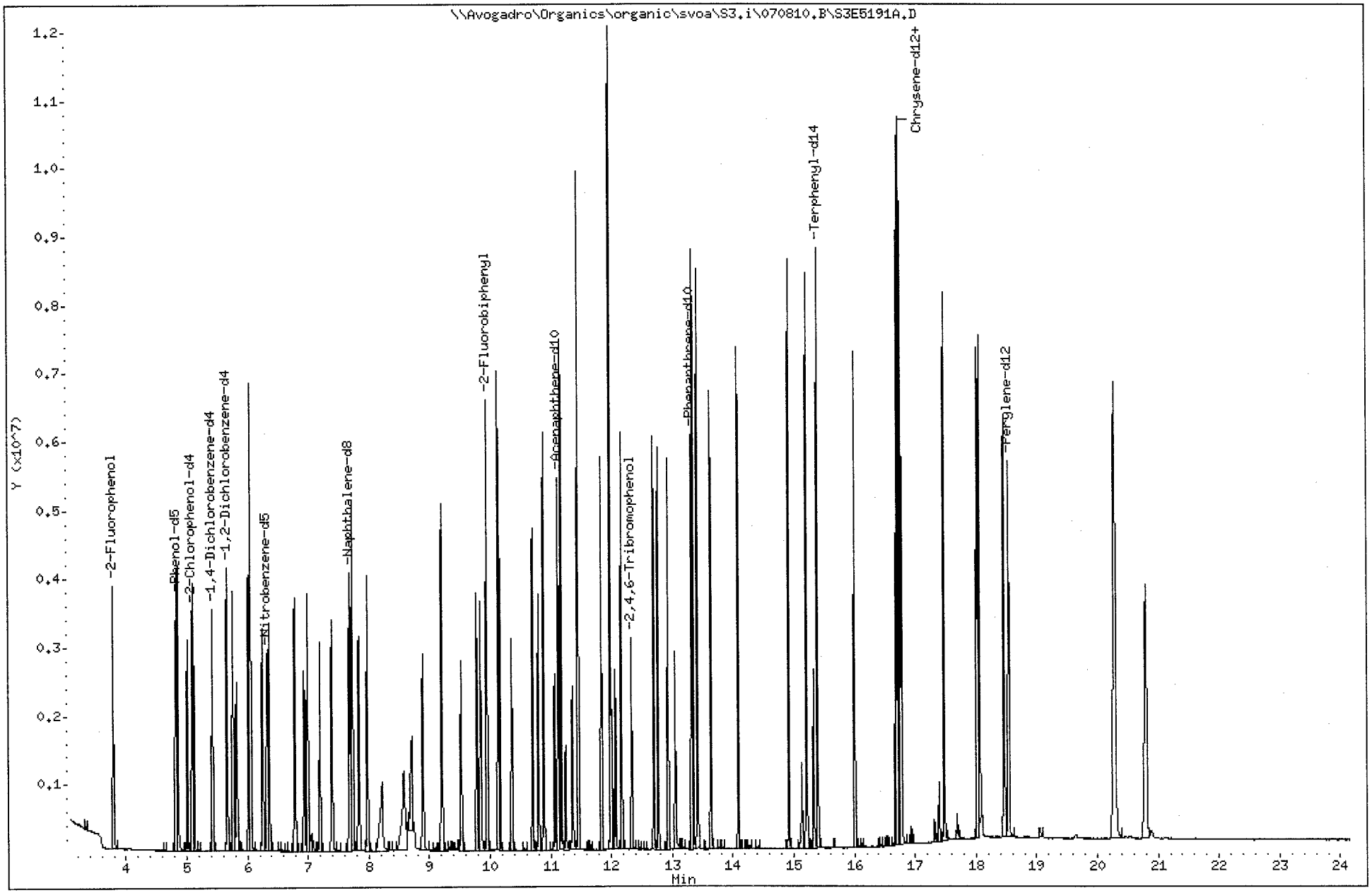
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	75 Benzo(a)pyrene	252	18.661	18.661	(0.996)	4045288	50.0000	54
*	76 Perylene-d12	264	18.741	18.741	(1.000)	2847615	40.0000	
	77 Indeno(1,2,3-cd)pyrene	276	20.568	20.568	(1.097)	4899636	50.0000	52
	78 Dibenzo(a,h)anthracene	278	20.584	20.584	(1.098)	4253385	50.0000	54
	79 Benzo(g,h,i)perylene	276	21.124	21.124	(1.127)	4158361	50.0000	51

8/16/07

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070810.B\S3E5191A.D
Date : 10-AUG-2007 13:40
Client ID: SSTD05030
Sample Info: SSTD05030,SSTD05030
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S3.i

Operator: CLM SRC: CLM
Column diameter: 0.25



Data File: S3E5191A.D
Report Date: 15-Aug-2007 13:11

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\070810.B\S3E5191A.D
Lab Smp Id: SSTD05030 Client Smp ID: SSTD05030
Inj Date : 10-AUG-2007 13:40
Operator : CLM SRC: CLM Inst ID: S3.i
Smp Info : SSTD05030,SSTD05030
Misc Info : 2,2
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\070810.B\s3_olm4_2_S.m
Meth Date : 15-Aug-2007 13:11 cmosher Quant Type: ISTD
Cal Date : 10-AUG-2007 13:40 Cal File: S3E5191A.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.14
Processing Host: TARGET111

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
$	1 2-Fluorophenol	112	3.793	3.793	(0.700)	1065224	50.0000	48
	2 Benzaldehyde	77	4.813	4.813	(0.888)	537472	50.0000	49
$	3 Phenol-d5	99	4.834	4.834	(0.892)	1473656	50.0000	49
	4 Phenol	94	4.856	4.856	(0.896)	1534874	50.0000	50
	5 bis(2-Chloroethyl)Ether	93	5.011	5.011	(0.924)	1200188	50.0000	50
$	6 2-Chlorophenol-d4	132	5.091	5.091	(0.939)	1100049	50.0000	49
	7 2-Chlorophenol	128	5.112	5.112	(0.943)	1100769	50.0000	49
*	8 1,4-Dichlorobenzene-d4	152	5.422	5.422	(1.000)	710094	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.662	5.662	(1.044)	816812	50.0000	49
	10 2-Methylphenol	108	5.764	5.764	(1.063)	1069646	50.0000	49
	11 2,2'-oxybis(1-Chloropropane)	45	5.823	5.823	(1.074)	1672463	50.0000	59
	12 Acetophenone	105	6.058	6.058	(1.117)	1705461	50.0000	51
	13 4-Methylphenol	108	6.020	6.020	(1.110)	1131699	50.0000	49
	14 N-Nitroso-di-n-propylamine	70	6.047	6.047	(1.115)	988796	50.0000	50
	15 Hexachloroethane	117	6.245	6.245	(1.152)	510427	50.0000	49
$	16 Nitrobenzene-d5	82	6.325	6.325	(0.823)	1437641	50.0000	49
	17 Nitrobenzene	77	6.357	6.357	(0.827)	1483899	50.0000	49
	18 Isophorone	82	6.784	6.784	(0.883)	2334909	50.0000	50
	19 2-Nitrophenol	139	6.934	6.934	(0.902)	589120	50.0000	48
	20 2,4-Dimethylphenol	107	6.993	6.993	(0.910)	1120308	50.0000	49

Data File: S3E5191A.D
Report Date: 15-Aug-2007 13:11

							AMOUNTS	
		QUANT SIG					CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)
	21 bis(2-Chloroethoxy)methane	93	7.196	7.196	(0.936)	1398962	50.0000	49
	22 2,4-Dichlorophenol	162	7.393	7.393	(0.962)	978321	50.0000	48
*	23 Naphthalene-d8	136	7.687	7.687	(1.000)	2624538	40.0000	
	24 Naphthalene	128	7.730	7.730	(1.006)	3211358	50.0000	52
	25 4-Chloroaniline	127	7.837	7.837	(1.019)	1248333	50.0000	50
	26 Hexachlorobutadiene	225	7.976	7.976	(1.038)	764862	50.0000	49
	27 Caprolactam	113	8.579	8.579	(1.116)	367651	50.0000	49
	28 4-Chloro-3-Methylphenol	107	8.894	8.894	(1.157)	984244	50.0000	49
	29 2-Methylnaphthalene	142	9.204	9.204	(1.197)	2081968	50.0000	50
	30 Hexachlorocyclopentadiene	237	9.525	9.525	(0.856)	678175	50.0000	46
	31 2,4,6-Trichlorophenol	196	9.781	9.781	(0.879)	790126	50.0000	48
	32 2,4,5-Trichlorophenol	196	9.845	9.845	(0.885)	862759	50.0000	47
$	33 2-Fluorobiphenyl	172	9.952	9.952	(0.895)	2771388	50.0000	51
	34 1,1'-Biphenyl	154	10.139	10.139	(0.912)	2825182	50.0000	52
	35 2-Chloronaphthalene	162	10.160	10.160	(0.914)	2279291	50.0000	50
	36 2-Nitroaniline	65	10.358	10.358	(0.931)	762022	50.0000	49
	37 Dimethylphthalate	163	10.705	10.705	(0.963)	2454243	50.0000	52
	38 2,6-Dinitrotoluene	165	10.801	10.801	(0.971)	583014	50.0000	48
	39 Acenaphthylene	152	10.887	10.887	(0.979)	3237957	50.0000	53
	40 3-Nitroaniline	138	11.069	11.069	(0.995)	439634	50.0000	48
*	41 Acenaphthene-d10	164	11.122	11.122	(1.000)	1523532	40.0000	
	42 Acenaphthene	153	11.175	11.175	(1.005)	2159561	50.0000	51
	43 2,4-Dinitrophenol	184	11.245	11.245	(1.011)	267598	50.0000	42
	44 4-Nitrophenol	109	11.357	11.357	(1.021)	340595	50.0000	50
	45 Dibenzofuran	168	11.459	11.459	(1.030)	3241980	50.0000	55
	46 2,4-Dinitrotoluene	165	11.453	11.453	(1.030)	816708	50.0000	51
	47 Diethylphthalate	149	11.838	11.838	(1.064)	2344441	50.0000	53
	48 Fluorene	166	11.982	11.982	(1.077)	2748528	50.0000	55
	49 4-Chlorophenyl-phenylether	204	11.993	11.993	(1.078)	1503497	50.0000	53
	50 4-Nitroaniline	138	12.020	12.020	(1.081)	364840	50.0000	44
	51 4,6-Dinitro-2-methylphenol	198	12.068	12.068	(0.906)	459450	50.0000	44
	52 N-Nitrosodiphenylamine	169	12.169	12.169	(0.914)	1878795	50.0000	51
$	53 2,4,6-Tribromophenol	330	12.335	12.335	(0.926)	420076	50.0000	49
	54 4-Bromophenyl-phenylether	248	12.698	12.698	(0.953)	909356	50.0000	49
	55 Hexachlorobenzene	284	12.773	12.773	(0.959)	977184	50.0000	50
	56 Atrazine	200	12.933	12.933	(0.971)	847789	50.0000	50
	57 Pentachlorophenol	266	13.051	13.051	(0.980)	430825	50.0000	45
*	58 Phenanthrene-d10	188	13.318	13.318	(1.000)	2629038	40.0000	
	59 Phenanthrene	178	13.350	13.350	(1.002)	3731609	50.0000	56
	60 Anthracene	178	13.419	13.419	(1.008)	3753583	50.0000	56
	61 Carbazole	167	13.638	13.638	(1.024)	3032508	50.0000	53
	62 Di-n-butylphthalate	149	14.087	14.087	(1.058)	3667504	50.0000	57
	63 Fluoranthene	202	14.920	14.920	(1.120)	3995775	50.0000	57
	64 Pyrene	202	15.214	15.214	(0.909)	4225900	50.0000	56
$	65 Terphenyl-d14	244	15.396	15.396	(0.920)	3181595	50.0000	55
	66 Butylbenzylphthalate	149	16.005	16.005	(0.956)	1679783	50.0000	51
	67 3,3'-Dichlorobenzidine	252	16.678	16.678	(0.996)	1155872	50.0000	51
	68 Benzo(a)anthracene	228	16.731	16.731	(0.999)	4317788	50.0000	56
*	69 Chrysene-d12	240	16.742	16.742	(1.000)	3116171	40.0000	
	70 Chrysene	228	16.774	16.774	(1.002)	3964739	50.0000	56
	71 bis(2-Ethylhexyl)phthalate	149	16.705	16.705	(0.998)	2381715	50.0000	54
	72 Di-n-octylphthalate	149	17.479	17.479	(0.943)	3705843	50.0000	58
	73 Benzo(b)fluoranthene	252	18.024	18.024	(0.972)	4302520	50.0000	55
	74 Benzo(k)fluoranthene	252	18.061	18.061	(0.974)	4290379	50.0000	55

Data File: S3E5191A.D
Report Date: 15-Aug-2007 13:11

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	75 Benzo(a)pyrene	252	18.467	18.467	(0.996)	3929695	50.0000	53
*	76 Perylene-d12	264	18.542	18.542	(1.000)	2815162	40.0000	
	77 Indeno(1,2,3-cd)pyrene	276	20.273	20.273	(1.093)	4712059	50.0000	51
	78 Dibenzo(a,h)anthracene	278	20.294	20.294	(1.094)	4106754	50.0000	53
	79 Benzo(g,h,i)perylene	276	20.802	20.802	(1.122)	4038143	50.0000	50

8/14/07 SW

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070809.B\S3E5150.D

Date : 09-AUG-2007 13:13

Client ID: DFTPP3M

Instrument: S3.i

Sample Info: DFTPP3M,DFTPP3M

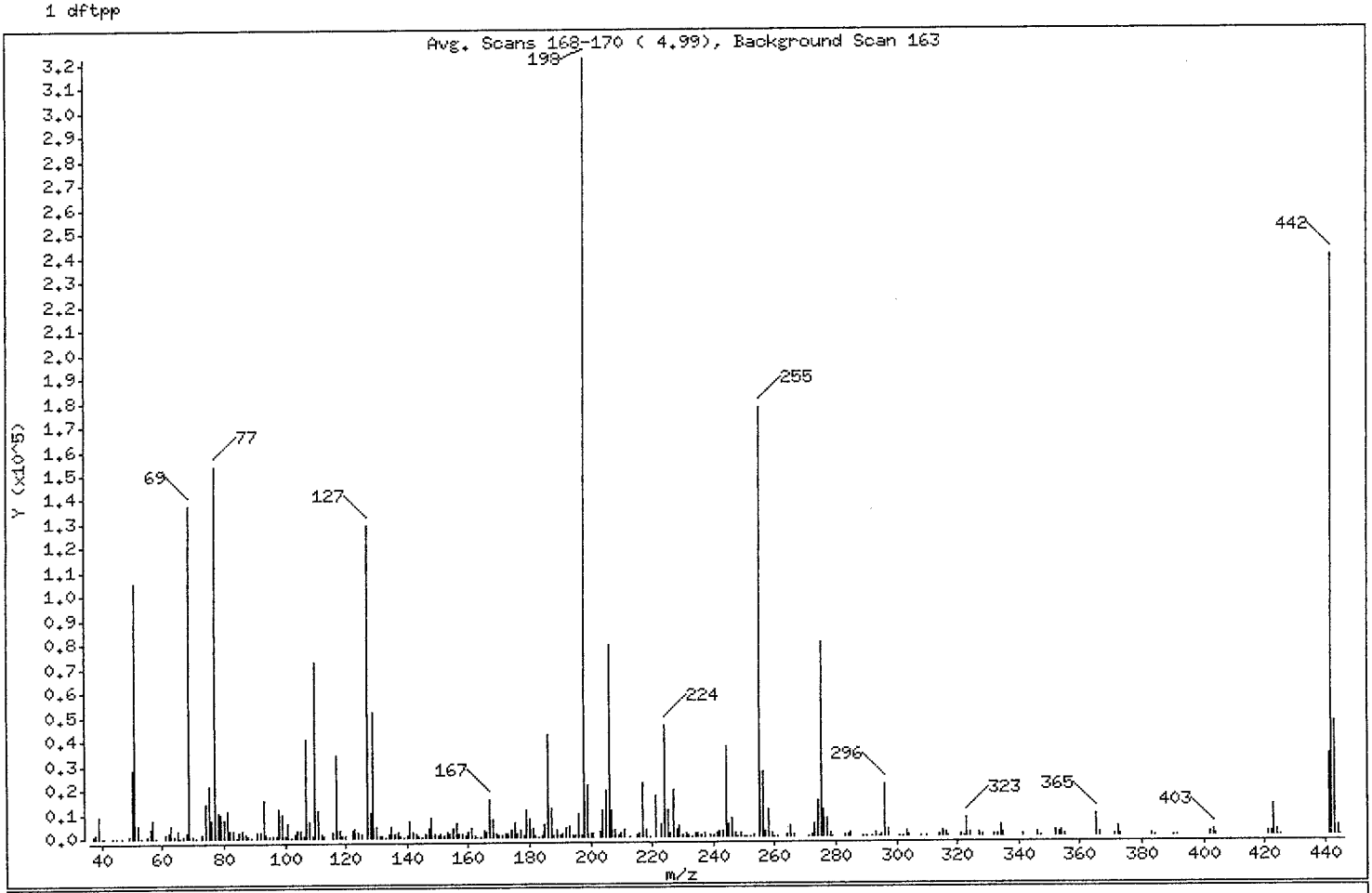
Volume Injected (uL): 1.0

Operator: CLM

Column phase: DB-5MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	32.81
68	Less than 2.00% of mass 69	0.70 (1.64)
69	Mass 69 relative abundance	42.62
70	Less than 2.00% of mass 69	0.25 (0.60)
127	25.00 - 75.00% of mass 198	40.19
197	Less than 1.00% of mass 198	0.20
199	5.00 - 9.00% of mass 198	6.63
275	10.00 - 30.00% of mass 198	24.87
365	Greater than 0.75% of mass 198	2.72
441	Present, but less than mass 443	10.36
442	40.00 - 110.00% of mass 198	74.44
443	15.00 - 24.00% of mass 442	14.46 (19.42)

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070809.B\S3E5150.D

Date : 09-AUG-2007 13:13

Client ID: DFTPP3M

Instrument: S3.i

Sample Info: DFTPP3M,DFTPP3M

Volume Injected (uL): 1.0

Operator: CLM

Column phase: DB-5MS

Column diameter: 0.25

Data File: S3E5150.D
Spectrum: Avg. Scans 168-170 (4.99), Background Scan 163
Location of Maximum: 198.00
Number of points: 277

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	545	118.00	2640	190.00	517	273.00	5328
38.00	1544	119.00	381	191.00	1342	274.00	14784
39.00	8827	120.00	510	192.00	3720	275.00	80144
40.00	200	122.00	2674	193.00	4098	276.00	11140
41.00	173	123.00	3864	194.00	931	277.00	7101
44.00	112	124.00	1955	195.00	541	278.00	1160
45.00	223	125.00	1813	196.00	9495	279.00	121
47.00	111	127.00	129504	197.00	659	283.00	728
49.00	801	128.00	10202	198.00	322240	284.00	615
50.00	28584	129.00	51920	199.00	21352	285.00	1203
51.00	105736	130.00	4654	200.00	1835	289.00	225
52.00	5507	131.00	928	201.00	1465	290.00	129
53.00	239	132.00	515	203.00	2133	292.00	104
55.00	521	133.00	238	204.00	11034	293.00	1529
56.00	3352	134.00	1505	205.00	19280	294.00	315
57.00	7419	135.00	4356	206.00	79608	295.00	428
58.00	358	136.00	1710	207.00	11340	296.00	21312
61.00	1592	137.00	2313	208.00	2826	297.00	3002
62.00	1894	138.00	554	209.00	1112	301.00	148
63.00	5117	139.00	234	210.00	1396	302.00	371
64.00	731	140.00	681	211.00	3209	303.00	2455
65.00	2633	141.00	6976	213.00	217	304.00	660
66.00	104	142.00	2344	215.00	1008	308.00	302
67.00	480	143.00	1528	216.00	1772	310.00	257
68.00	2248	144.00	459	217.00	22008	314.00	1071
69.00	137344	145.00	357	218.00	2768	315.00	2319
70.00	818	146.00	1160	219.00	160	316.00	1386
71.00	217	147.00	3715	221.00	17016	317.00	106
73.00	1302	148.00	8425	223.00	5128	321.00	744
74.00	13898	149.00	1845	224.00	46272	322.00	259
75.00	21184	150.00	543	225.00	11504	323.00	7351
76.00	7514	151.00	1122	226.00	1169	324.00	1277
77.00	153728	152.00	487	227.00	19536	327.00	1323
78.00	10563	153.00	2344	228.00	2606	328.00	620
79.00	9815	154.00	1600	229.00	4109	332.00	553

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070809.B\S3E5150.D

Date : 09-AUG-2007 13:13

Client ID: DFTPP3M

Instrument: S3.i

Sample Info: DFTPP3M,DFTPP3M

Volume Injected (uL): 1.0

Operator: CLM

Column phase: DB-5MS

Column diameter: 0.25

Data File: S3E5150.D
Spectrum: Avg. Scans 168-170 (4.99), Background Scan 163
Location of Maximum: 198.00
Number of points: 277

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	7330	155.00	4010	230.00	630	333.00	693
81.00	10991	156.00	5853	231.00	1528	334.00	4689
82.00	2653	157.00	1304	232.00	400	335.00	1297
83.00	2725	158.00	1373	233.00	352	341.00	780
84.00	229	159.00	1019	234.00	1203	346.00	1599
85.00	1910	160.00	2386	235.00	1321	347.00	231
86.00	2863	161.00	3390	236.00	966	352.00	2031
87.00	1417	162.00	1006	237.00	1555	353.00	1341
88.00	640	163.00	269	239.00	876	354.00	2159
89.00	134	164.00	298	240.00	543	355.00	473
91.00	2427	165.00	2984	241.00	1137	365.00	8763
92.00	2439	166.00	2300	242.00	2349	366.00	1319
93.00	15824	167.00	15383	243.00	2523	371.00	540
94.00	1201	168.00	7588	244.00	37184	372.00	3398
95.00	602	169.00	1401	245.00	4833	373.00	926
96.00	835	170.00	467	246.00	7183	383.00	934
97.00	519	171.00	713	247.00	1565	384.00	106
98.00	12236	172.00	1468	248.00	231	390.00	328
99.00	9386	173.00	1724	249.00	1292	391.00	233
100.00	893	174.00	3117	250.00	210	402.00	1237
101.00	5600	175.00	5868	251.00	252	403.00	1955
102.00	356	176.00	1683	252.00	281	404.00	680
103.00	1684	177.00	2811	253.00	798	421.00	1593
104.00	3206	178.00	1007	255.00	177280	422.00	1647
105.00	3326	179.00	10895	256.00	26480	423.00	12759
106.00	1050	180.00	7321	257.00	2158	424.00	2572
107.00	41104	181.00	3421	258.00	10772	425.00	103
108.00	6437	182.00	714	259.00	1782	441.00	33384
109.00	930	183.00	351	260.00	133	442.00	239872
110.00	72912	184.00	980	261.00	239	443.00	46592
111.00	11137	185.00	5514	264.00	398	444.00	4070
112.00	1488	186.00	42024	265.00	4441	445.00	103
113.00	442	187.00	12209	266.00	758		
116.00	2272	188.00	1065	271.00	314		
117.00	34440	189.00	2765	272.00	456		

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070809.B\S3E5150.D

Date : 09-AUG-2007 13:13

Client ID: DFTPP3M

Instrument: S3.i

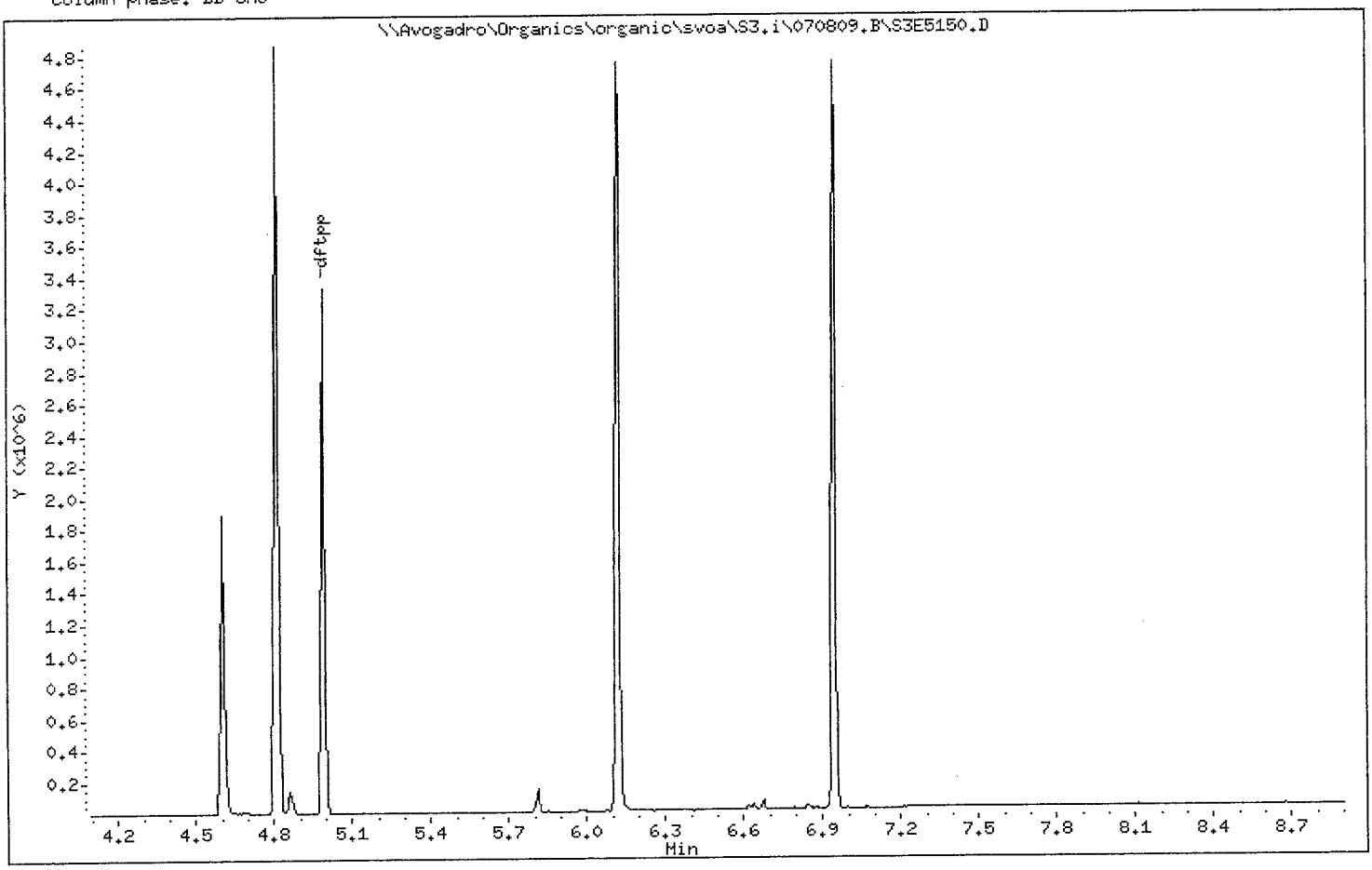
Sample Info: DFTPP3M,DFTPP3M

Volume Injected (uL): 1.0

Operator: CLM

Column phase: DB-5MS

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\S3E5160.D

Date : 09-AUG-2007 17:16

Client ID: DFTPP3N

Instrument: S3.i

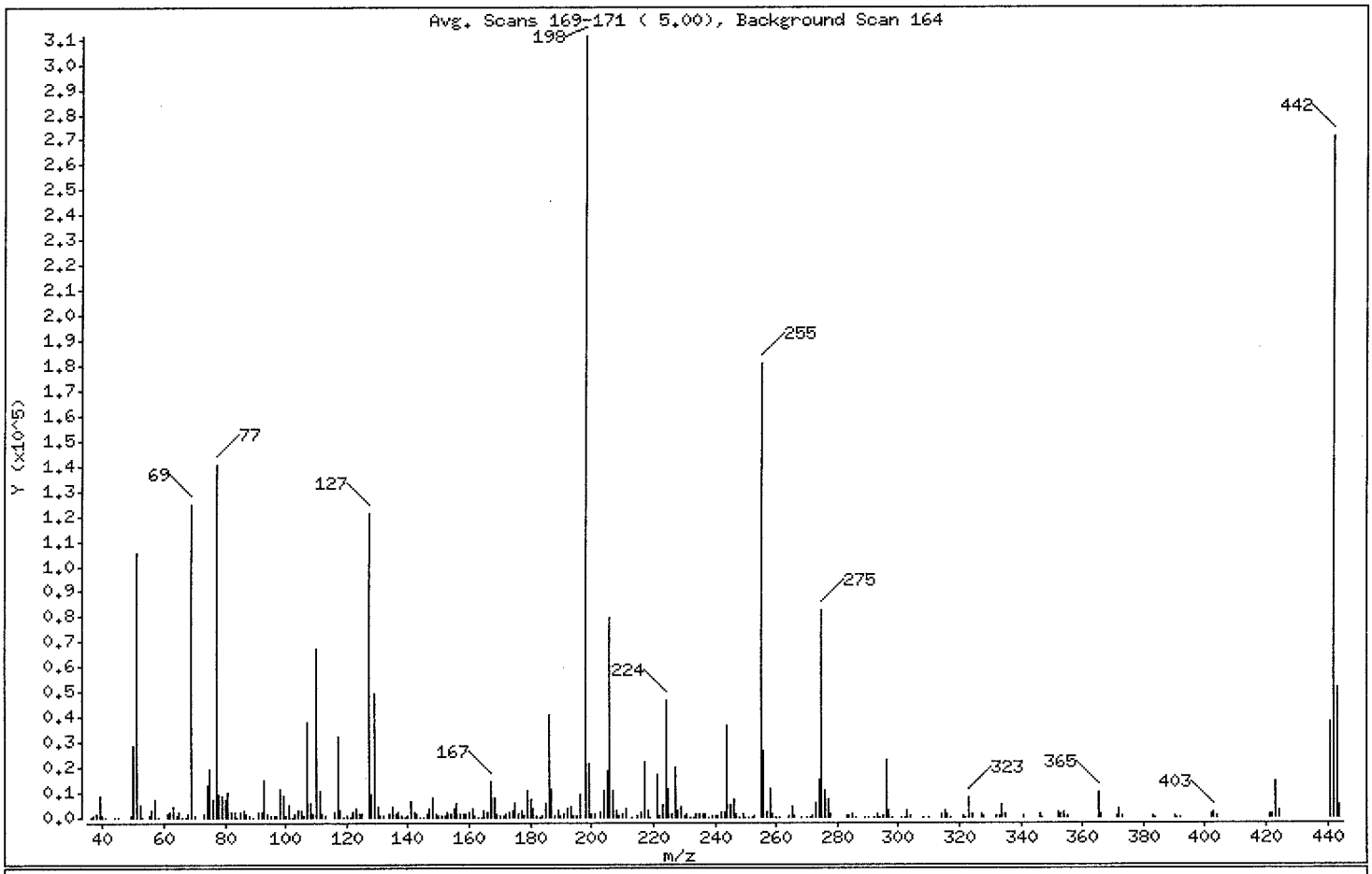
Sample Info: DFTPP3N,DFTPP3N

Operator: CLM SRC: CLM

Column phase: DB-5MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	33.83
68	Less than 2.00% of mass 69	0.40 (0.99)
69	Mass 69 relative abundance	40.01
70	Less than 2.00% of mass 69	0.22 (0.54)
127	25.00 - 75.00% of mass 198	39.02
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.80
275	10.00 - 30.00% of mass 198	26.54
365	Greater than 0.75% of mass 198	3.29
441	Present, but less than mass 443	12.27
442	40.00 - 110.00% of mass 198	87.09
443	15.00 - 24.00% of mass 442	16.63 (19.09)

Date : 09-AUG-2007 17:16

Client ID: DFTPP3N Instrument: S3.i

Sample Info: DFTPP3N,DFTPP3N

Operator: CLM SRC: CLM

Column phase: DB-5MS Column diameter: 0.25

Data File: S3E5160.D
Spectrum: Avg. Scans 169-171 (5.00), Background Scan 164
Location of Maximum: 198.00
Number of points: 279

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	105	119.00	301	191.00	1188	271.00	286
37.00	532	120.00	513	192.00	3605	272.00	541
38.00	1417	121.00	125	193.00	4183	273.00	5445
39.00	8562	122.00	2478	194.00	849	274.00	15282
40.00	460	123.00	3809	195.00	470	275.00	82608
41.00	195	124.00	1760	196.00	9100	276.00	11052
44.00	289	125.00	1611	198.00	311232	277.00	7289
45.00	113	127.00	121448	199.00	21168	278.00	1180
49.00	845	128.00	9091	200.00	1714	283.00	800
50.00	28560	129.00	49704	201.00	1452	284.00	648
51.00	105304	130.00	4189	203.00	2341	285.00	1255
52.00	5274	131.00	908	204.00	11055	286.00	221
53.00	215	132.00	449	205.00	18400	289.00	117
55.00	744	134.00	1464	206.00	79840	290.00	136
56.00	3172	135.00	4001	207.00	10971	292.00	266
57.00	7195	136.00	1760	208.00	3169	293.00	1566
58.00	316	137.00	2217	209.00	872	294.00	342
61.00	1264	138.00	365	210.00	1696	295.00	475
62.00	1845	139.00	245	211.00	3297	296.00	23144
63.00	4654	140.00	634	213.00	207	297.00	3214
64.00	698	141.00	6597	215.00	1066	298.00	107
65.00	2423	142.00	2091	216.00	1810	301.00	264
66.00	114	143.00	1375	217.00	21960	302.00	284
67.00	260	144.00	342	218.00	2864	303.00	2614
68.00	1235	145.00	288	219.00	257	304.00	751
69.00	124520	146.00	1304	221.00	16880	308.00	262
70.00	672	147.00	3284	222.00	672	310.00	255
73.00	1122	148.00	8197	223.00	4997	314.00	1139
74.00	12800	149.00	1630	224.00	46312	315.00	2659
75.00	19376	150.00	479	225.00	11754	316.00	1468
76.00	7012	151.00	857	226.00	1110	317.00	222
77.00	140416	152.00	556	227.00	20032	321.00	834
78.00	9593	153.00	2002	228.00	2734	322.00	260
79.00	8776	154.00	1589	229.00	4088	323.00	7654
80.00	7101	155.00	3702	230.00	651	324.00	1382

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\S3E5160.D

Date : 09-AUG-2007 17:16

Client ID: DFTPP3N

Instrument: S3.i

Sample Info: DFTPP3N,DFTPP3N

Operator: CLM SRC: CLM

Column phase: DB-5MS

Column diameter: 0.25

Data File: S3E5160.D
Spectrum: Avg. Scans 169-171 (5.00), Background Scan 164
Location of Maximum: 198.00
Number of points: 279

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	9817	156.00	5462	231.00	1607	327.00	1465
82.00	2335	157.00	1115	232.00	286	328.00	737
83.00	2430	158.00	1381	233.00	313	332.00	571
84.00	246	159.00	1090	234.00	1180	333.00	759
85.00	1850	160.00	2337	235.00	1401	334.00	4799
86.00	2869	161.00	3367	236.00	1122	335.00	1341
87.00	1401	162.00	903	237.00	1406	341.00	788
88.00	648	163.00	222	238.00	115	346.00	1786
89.00	241	164.00	340	239.00	861	347.00	122
91.00	2136	165.00	2753	240.00	575	352.00	2148
92.00	2463	166.00	2176	241.00	1004	353.00	1407
93.00	14986	167.00	14146	242.00	2393	354.00	2410
94.00	1113	168.00	7622	243.00	2415	355.00	404
95.00	409	169.00	1279	244.00	36656	365.00	10230
96.00	677	170.00	484	245.00	5001	366.00	1392
97.00	368	171.00	573	246.00	7495	371.00	556
98.00	11337	172.00	1408	247.00	1459	372.00	3670
99.00	8678	173.00	1796	248.00	273	373.00	900
100.00	859	174.00	2954	249.00	1419	383.00	990
101.00	5064	175.00	5840	250.00	131	384.00	124
102.00	290	176.00	1474	251.00	248	390.00	541
103.00	1721	177.00	2684	252.00	260	391.00	262
104.00	3170	178.00	1028	253.00	802	392.00	123
105.00	3045	179.00	10615	255.00	180928	402.00	1620
106.00	951	180.00	6834	256.00	26568	403.00	2178
107.00	38320	181.00	3403	257.00	2102	404.00	712
108.00	5852	182.00	514	258.00	11164	421.00	1710
109.00	1176	183.00	323	259.00	1786	422.00	1577
110.00	67696	184.00	1003	260.00	274	423.00	14250
111.00	10542	185.00	5637	261.00	268	424.00	2794
112.00	1364	186.00	40936	264.00	378	441.00	38200
113.00	378	187.00	11819	265.00	4358	442.00	271040
116.00	2086	188.00	997	266.00	817	443.00	51744
117.00	32584	189.00	2973	268.00	106	444.00	4897
118.00	2602	190.00	457	270.00	102		

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\S3E5160.D

Date : 09-AUG-2007 17:16

Client ID: DFTPP3N

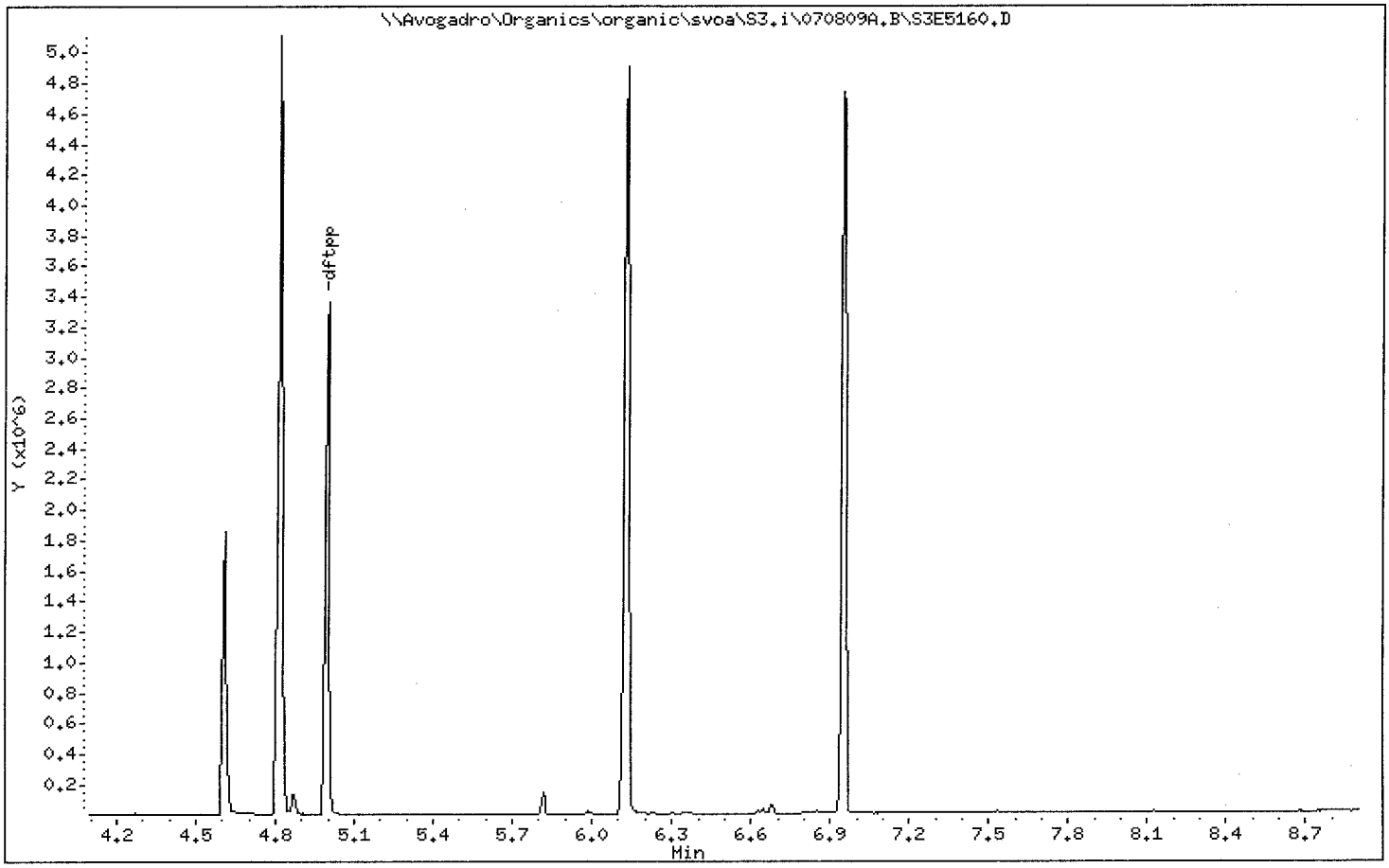
Instrument: S3.i

Sample Info: DFTPP3N,DFTPP3N

Operator: CLM SRC: CLM

Column phase: DB-5MS

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\svoa\S3.i\070810.B\S3E5190.D

Date : 10-AUG-2007 12:38

Client ID: DFTPP30

Instrument: S3.i

Sample Info: DFTPP30,DFTPP30

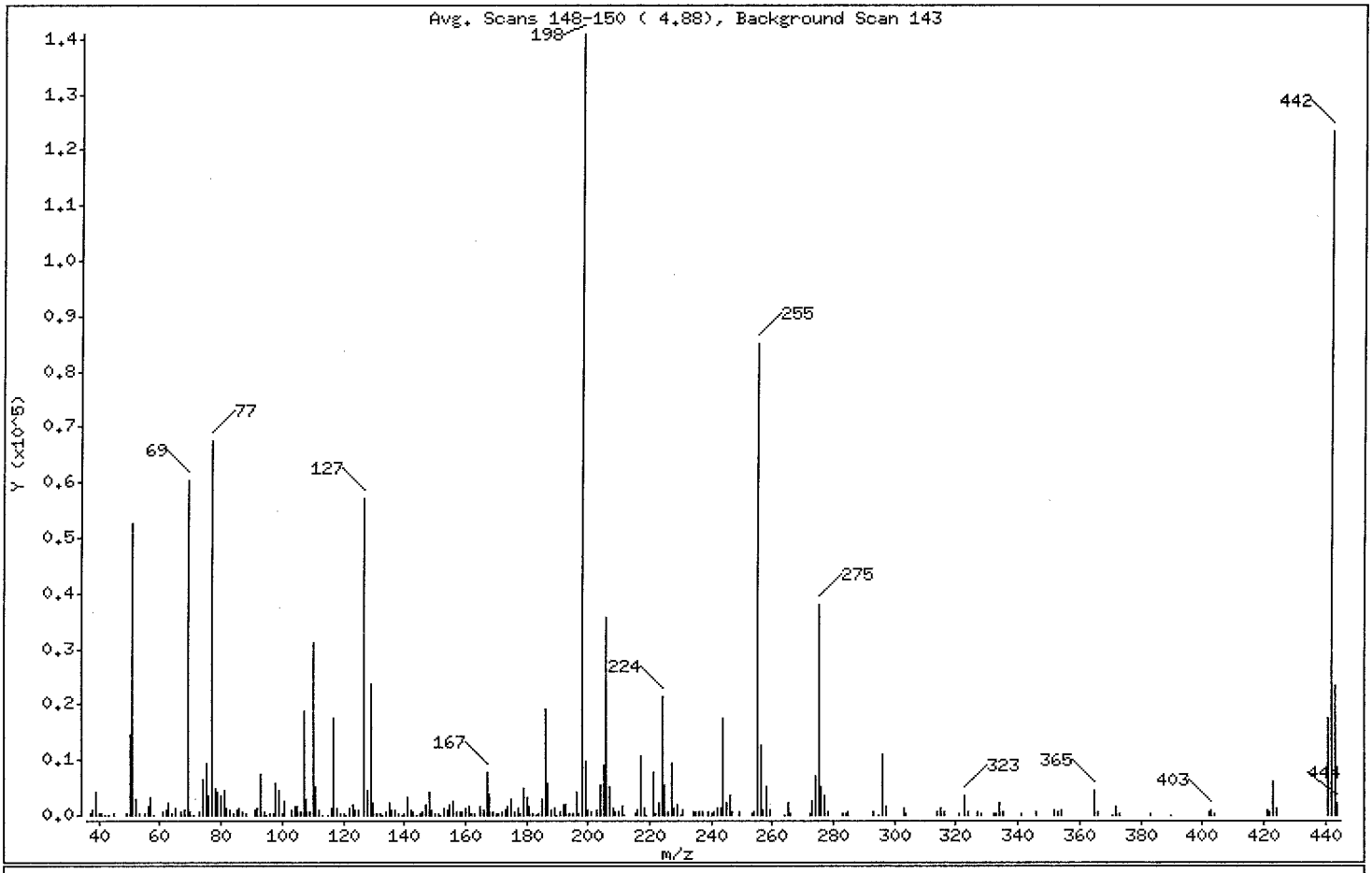
Volume Injected (uL): 1.0

Operator: CLM SRC: CLM

Column phase: DB-5MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 80.00% of mass 198	37.27
68	Less than 2.00% of mass 69	0.80 (1.87)
69	Mass 69 relative abundance	42.93
70	Less than 2.00% of mass 69	0.46 (1.08)
127	25.00 - 75.00% of mass 198	40.50
197	Less than 1.00% of mass 198	0.26
199	5.00 - 9.00% of mass 198	6.90
275	10.00 - 30.00% of mass 198	26.86
365	Greater than 0.75% of mass 198	3.24
441	Present, but less than mass 443	12.51
442	40.00 - 110.00% of mass 198	87.60
443	15.00 - 24.00% of mass 442	16.49 (18.82)

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070810.B\S3E5190.D

Date : 10-AUG-2007 12:38

Client ID: DFTPP30 Instrument: S3.i

Sample Info: DFTPP30,DFTPP30

Volume Injected (uL): 1.0 Operator: CLM SRC: CLM

Column phase: DB-5MS Column diameter: 0.25

Data File: S3E5190.D
Spectrum: Avg. Scans 148-150 (4.88), Background Scan 143
Location of Maximum: 198.00
Number of points: 251

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	336	112.00	815	178.00	455	249.00	653
38.00	860	113.00	126	179.00	4982	253.00	457
39.00	4340	115.00	152	180.00	3322	254.00	546
40.00	211	116.00	1200	181.00	1632	255.00	84992
41.00	230	117.00	17376	182.00	283	256.00	12533
42.00	38	118.00	1267	183.00	101	257.00	1030
43.00	115	119.00	253	184.00	412	258.00	5308
45.00	352	120.00	233	185.00	2773	259.00	860
49.00	414	121.00	129	186.00	19304	264.00	107
50.00	14621	122.00	1190	187.00	5715	265.00	2263
51.00	52520	123.00	2043	188.00	831	266.00	308
52.00	2809	124.00	916	189.00	1337	272.00	219
53.00	345	125.00	849	190.00	141	273.00	2538
55.00	239	127.00	57080	191.00	681	274.00	7208
56.00	1734	128.00	4434	192.00	1822	275.00	37856
57.00	3397	129.00	23792	193.00	2081	276.00	5150
58.00	120	130.00	2250	194.00	348	277.00	3605
61.00	678	131.00	420	195.00	279	278.00	609
62.00	890	132.00	248	196.00	4308	283.00	330
63.00	2382	133.00	106	197.00	367	284.00	267
64.00	305	134.00	734	198.00	140928	285.00	597
65.00	1290	135.00	2237	199.00	9720	293.00	759
67.00	510	136.00	914	200.00	852	295.00	114
68.00	1131	137.00	1002	201.00	591	296.00	11081
69.00	60504	138.00	218	203.00	1084	297.00	1584
70.00	655	139.00	107	204.00	5361	303.00	1227
71.00	98	140.00	282	205.00	8971	304.00	259
73.00	501	141.00	3116	206.00	35848	314.00	552
74.00	6384	142.00	1019	207.00	5047	315.00	1157
75.00	9515	143.00	786	208.00	1434	316.00	686
76.00	3426	144.00	130	209.00	565	321.00	249
77.00	67504	145.00	253	210.00	636	323.00	3507
78.00	4856	146.00	640	211.00	1543	324.00	574
79.00	4101	147.00	1897	212.00	121	327.00	607
80.00	3458	148.00	4075	215.00	425	328.00	298

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070810.B\S3E5190.D

Date : 10-AUG-2007 12:38

Client ID: DFTPP30 Instrument: S3.i

Sample Info: DFTPP30,DFTPP30

Volume Injected (uL): 1.0 Operator: CLM SRC: CLM

Column phase: DB-5MS Column diameter: 0.25

Data File: S3E5190.D
Spectrum: Avg. Scans 148-150 (4.88), Background Scan 143
Location of Maximum: 198.00
Number of points: 251

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	4599	149.00	1045	216.00	875	332.00	227
82.00	1241	150.00	245	217.00	10718	333.00	164
83.00	926	151.00	388	218.00	1422	334.00	2227
84.00	184	152.00	145	219.00	134	335.00	578
85.00	1070	153.00	1194	221.00	7776	341.00	354
86.00	1443	154.00	894	222.00	256	346.00	805
87.00	734	155.00	2016	223.00	2382	352.00	974
88.00	452	156.00	2653	224.00	21344	353.00	703
91.00	1091	157.00	693	225.00	5630	354.00	992
92.00	1234	158.00	669	226.00	573	365.00	4561
93.00	7368	159.00	620	227.00	9496	366.00	741
94.00	665	160.00	1166	228.00	1404	371.00	105
95.00	147	161.00	1551	229.00	2027	372.00	1758
96.00	427	162.00	452	230.00	111	373.00	476
97.00	311	163.00	208	231.00	860	383.00	431
98.00	5870	165.00	1600	234.00	600	390.00	116
99.00	4536	166.00	1072	235.00	757	402.00	638
100.00	395	167.00	7703	236.00	492	403.00	887
101.00	2484	168.00	3750	237.00	691	404.00	170
103.00	917	169.00	743	239.00	516	421.00	856
104.00	1636	170.00	276	240.00	309	422.00	717
105.00	1718	171.00	399	241.00	565	423.00	6237
106.00	494	172.00	597	242.00	1271	424.00	1276
107.00	18888	173.00	882	243.00	1178	441.00	17632
108.00	2931	174.00	1507	244.00	17448	442.00	123448
109.00	736	175.00	2820	245.00	2384	443.00	23232
110.00	31312	176.00	738	246.00	3591	444.00	2236
111.00	5149	177.00	1409	247.00	647		

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070810.B\S3E5190.D

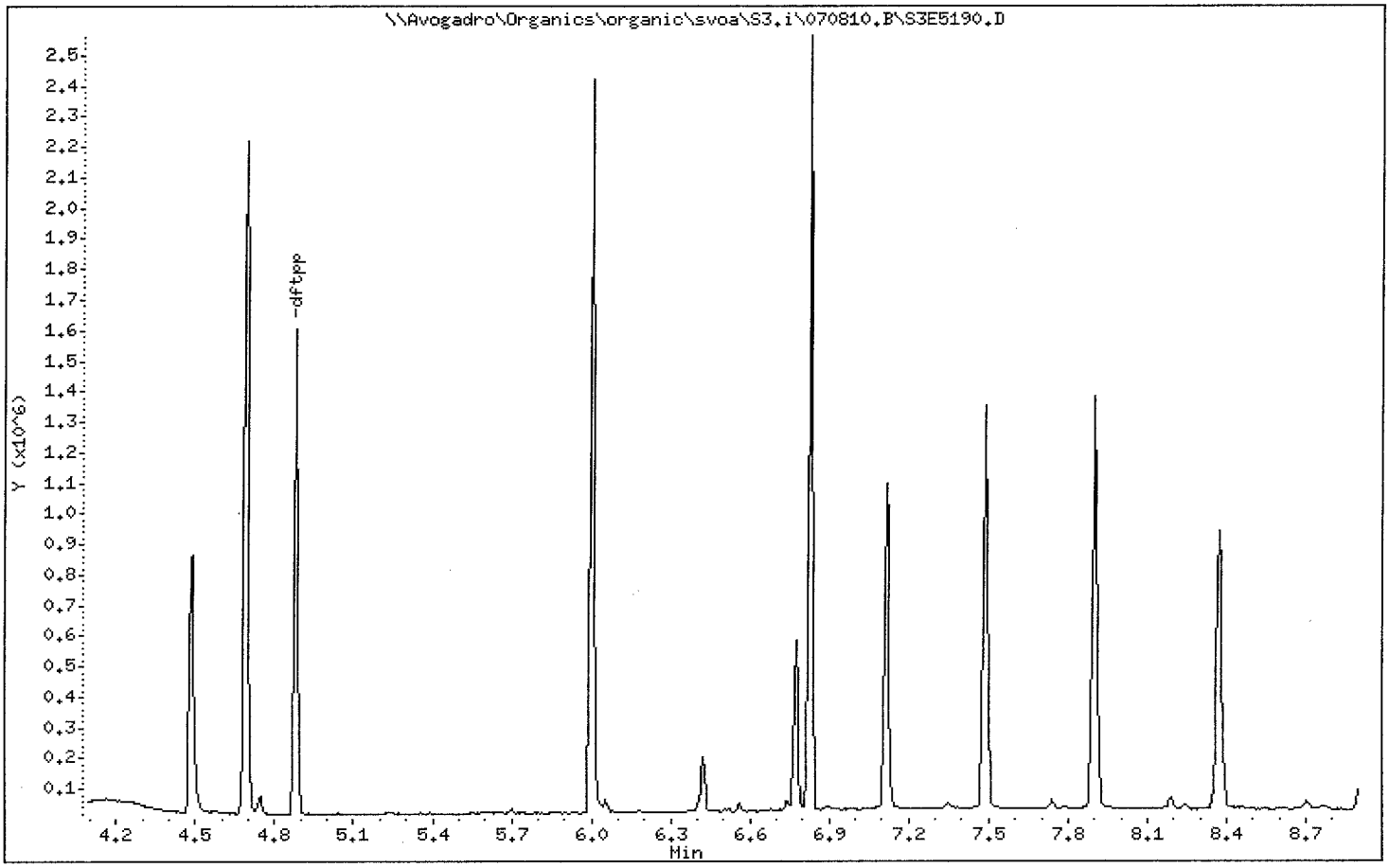
Date : 10-AUG-2007 12:38

Client ID: DFTPP30 Instrument: S3.i

Sample Info: DFTPP30,DFTPP30

Volume Injected (uL): 1.0 Operator: CLM SRC: CLM

Column phase: DB-5MS Column diameter: 0.25



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK30

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: MB-31530

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E5162

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 08/03/07

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/09/07

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK30

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: MB-31530

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E5162

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 08/03/07

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/09/07

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLK30

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: MB-31530

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E5162

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 08/03/07

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/09/07

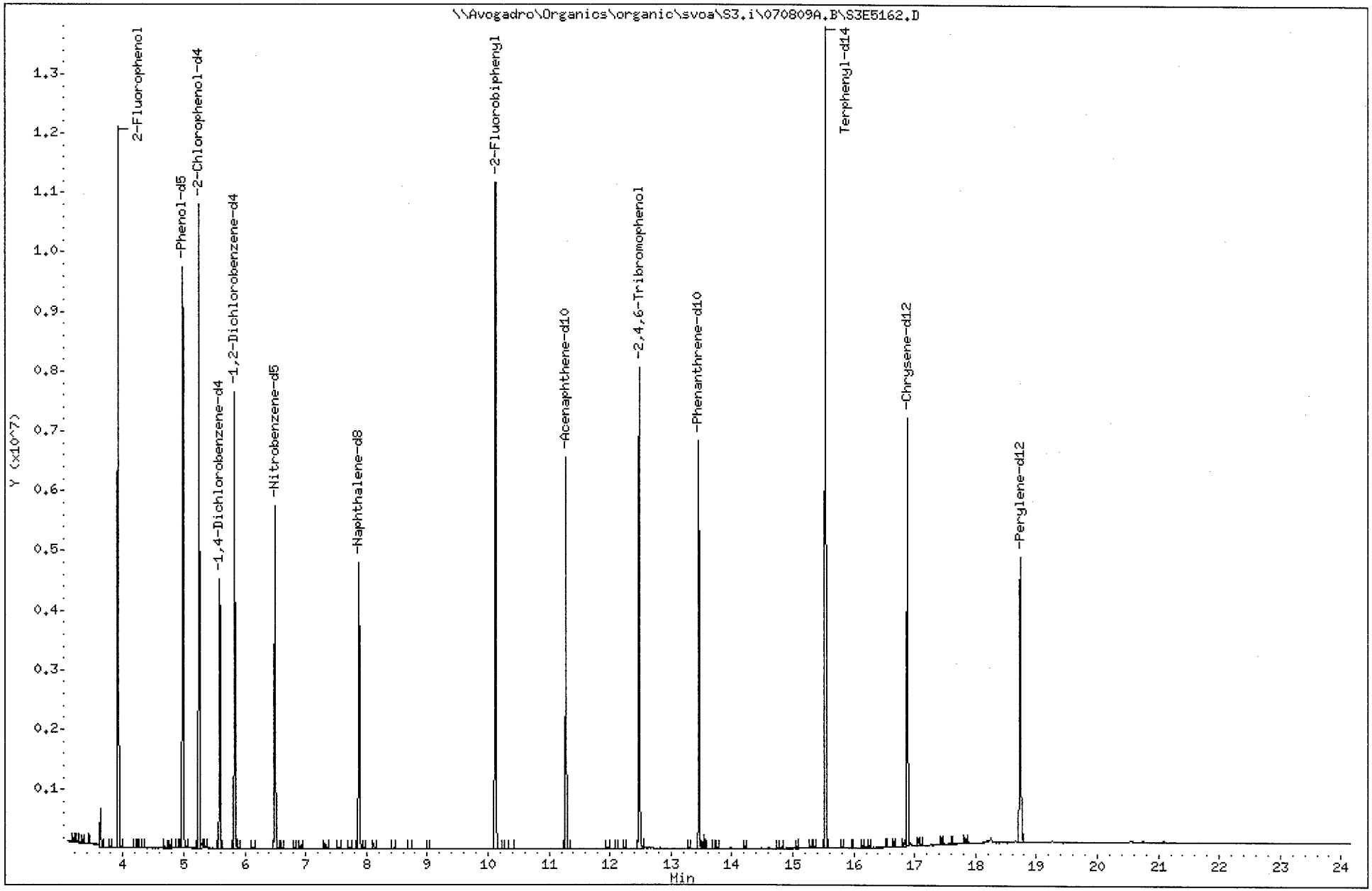
Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type) CONT

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\S3E5162.D
Date : 09-AUG-2007 18:07
Client ID: SBLK30
Instrument: S3.i
Sample Info: MB-31530,SBLK30,31530
Volume Injected (uL): 2.0
Operator: CLM SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



2529

Data File: S3E5162.D
Report Date: 16-Aug-2007 16:18

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\S3E5162.D
Lab Smp Id: MB-31530 Client Smp ID: SBLK3O
Inj Date : 09-AUG-2007 18:07
Operator : CLM SRC: LIMS Inst ID: S3.i
Smp Info : MB-31530,SBLK3O,31530
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\s3_olm4_2_S.m
Meth Date : 16-Aug-2007 16:18 S3.i Quant Type: ISTD
Cal Date : 09-AUG-2007 17:34 Cal File: S3E5161.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$ 1 2-Fluorophenol	112	3.922	3.917	(0.702)	3113379	119.948	60
$ 3 Phenol-d5	99	4.985	4.980	(0.892)	4178407	114.381	57
$ 6 2-Chlorophenol-d4	132	5.252	5.247	(0.940)	3388680	127.193	64
* 8 1,4-Dichlorobenzene-d4	152	5.589	5.589	(1.000)	850132	40.0000	
$ 9 1,2-Dichlorobenzene-d4	152	5.834	5.834	(1.044)	1498292	75.7699	38
$ 16 Nitrobenzene-d5	82	6.502	6.502	(0.826)	2831655	83.8900	42
* 23 Naphthalene-d8	136	7.875	7.880	(1.000)	3059302	40.0000	
$ 33 2-Fluorobiphenyl	172	10.124	10.124	(0.898)	4892504	76.1672	38
* 41 Acenaphthene-d10	164	11.278	11.278	(1.000)	1748726	40.0000	
$ 53 2,4,6-Tribromophenol	330	12.485	12.485	(0.928)	1093156	120.843	60
* 58 Phenanthrene-d10	188	13.458	13.463	(1.000)	2931718	40.0000	
$ 65 Terphenyl-d14	244	15.541	15.536	(0.921)	5052730	82.4799	41
* 69 Chrysene-d12	240	16.882	16.887	(1.000)	2959992	40.0000	
* 76 Perylene-d12	264	18.736	18.741	(1.000)	2673703	40.0000	

9/10/07 SW

Data File: S3E5162.D
Report Date: 16-Aug-2007 16:18

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\S3E5162.D
Lab Smp Id: MB-31530 Client Smp ID: SBLK3O
Inj Date : 09-AUG-2007 18:07
Operator : CLM SRC: LIMS Inst ID: S3.i
Smp Info : MB-31530,SBLK3O,31530
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\s3_olm4_2_S.m
Meth Date : 16-Aug-2007 16:18 S3.i Quant Type: ISTD
Cal Date : 09-AUG-2007 17:34 Cal File: S3E5161.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK3Q

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) SOIL Lab Sample ID: MB-31474

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3E5193

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 08/01/07

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/10/07

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	330	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK3Q

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) SOIL Lab Sample ID: MB-31474

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3E5193

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 08/01/07

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/10/07

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	830	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1G

EPA SAMPLE NO.

SBLK3Q

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) SOIL Lab Sample ID: MB-31474

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3E5193

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 08/01/07

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/10/07

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ___ Extraction: (Type) SONC

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
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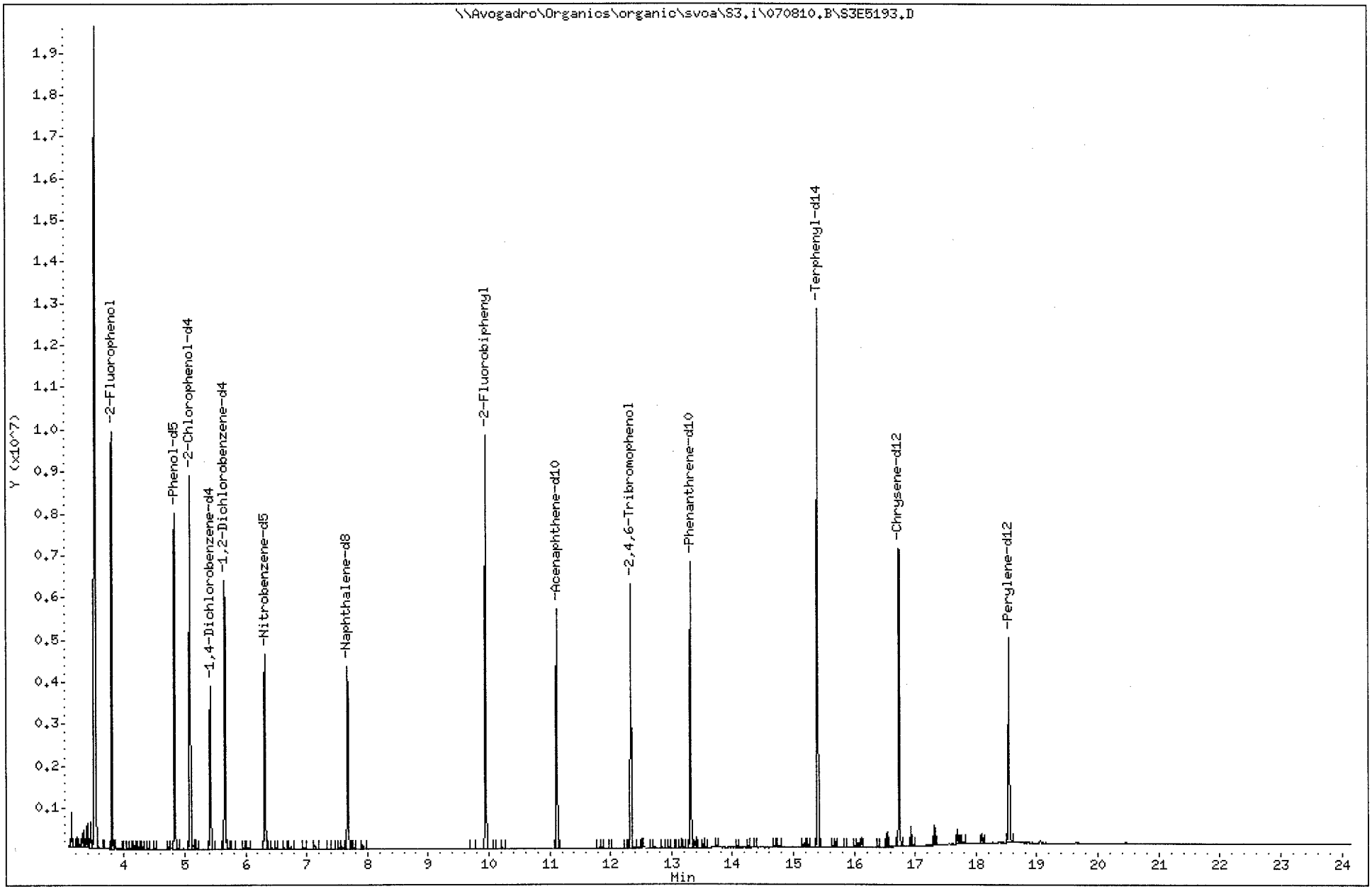
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070810.B\S3E5193.D
Date : 10-AUG-2007 14:47
Client ID: SBLK3Q
Instrument: S3.i
Sample Info: MB-31474,SBLK3Q,31474
Volume Injected (uL): 2.0
Operator: CLM SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



Data File: S3E5193.D
Report Date: 16-Aug-2007 16:14

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\070810.B\S3E5193.D
Lab Smp Id: MB-31474 Client Smp ID: SBLK3Q
Inj Date : 10-AUG-2007 14:47
Operator : CLM SRC: LIMS Inst ID: S3.i
Smp Info : MB-31474,SBLK3Q,31474
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\070810.B\s3_olm4_2_S.m
Meth Date : 15-Aug-2007 13:11 cmosher Quant Type: ISTD
Cal Date : 10-AUG-2007 13:40 Cal File: S3E5191A.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
$	1 2-Fluorophenol	112	3.806	3.793	(0.702)	2557747	112.653	1900
$	3 Phenol-d5	99	4.837	4.834	(0.893)	3362094	107.039	1800
$	6 2-Chlorophenol-d4	132	5.088	5.091	(0.939)	2646364	112.866	1900
*	8 1,4-Dichlorobenzene-d4	152	5.420	5.422	(1.000)	756762	40.0000	
$	9 1,2-Dichlorobenzene-d4	152	5.660	5.662	(1.044)	1250792	71.8438	1200
$	16 Nitrobenzene-d5	82	6.317	6.325	(0.823)	2231492	72.6446	1200
*	23 Naphthalene-d8	136	7.679	7.687	(1.000)	2803913	40.0000	
$	33 2-Fluorobiphenyl	172	9.950	9.952	(0.895)	4306418	72.6445	1200
*	41 Acenaphthene-d10	164	11.120	11.122	(1.000)	1629437	40.0000	
$	53 2,4,6-Tribromophenol	330	12.332	12.335	(0.926)	808503	89.5682	1500
*	58 Phenanthrene-d10	188	13.315	13.318	(1.000)	2824664	40.0000	
$	65 Terphenyl-d14	244	15.399	15.396	(0.920)	4732889	74.7845	1200
*	69 Chrysene-d12	240	16.740	16.742	(1.000)	3099284	40.0000	
*	76 Perylene-d12	264	18.540	18.542	(1.000)	2728219	40.0000	

8/16/07 SW

Data File: S3E5193.D
Report Date: 16-Aug-2007 16:14

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\070810.B\S3E5193.D
Lab Smp Id: MB-31474 Client Smp ID: SBLK3Q
Inj Date : 10-AUG-2007 14:47
Operator : CLM SRC: LIMS Inst ID: S3.i
Smp Info : MB-31474,SBLK3Q,31474
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\070810.B\s3_olm4_2_S.m
Meth Date : 15-Aug-2007 13:11 cmosher Quant Type: ISTD
Cal Date : 10-AUG-2007 13:40 Cal File: S3E5191A.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3OLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: LCS-31530

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E5163

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 08/03/07

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/09/07

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	10	U
108-95-2	Phenol	57	
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	59	
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
98-86-2	Acetophenone	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	33	
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
105-60-2	Caprolactam	10	U
59-50-7	4-Chloro-3-Methylphenol	61	
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
92-52-4	1,1'-Biphenyl	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	37	

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3OLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: LCS-31530

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E5163

Level: (low/med) LOW Date Received: _____

% Moisture: _____ Decanted: (Y/N) ___ Date Extracted: 08/03/07

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/09/07

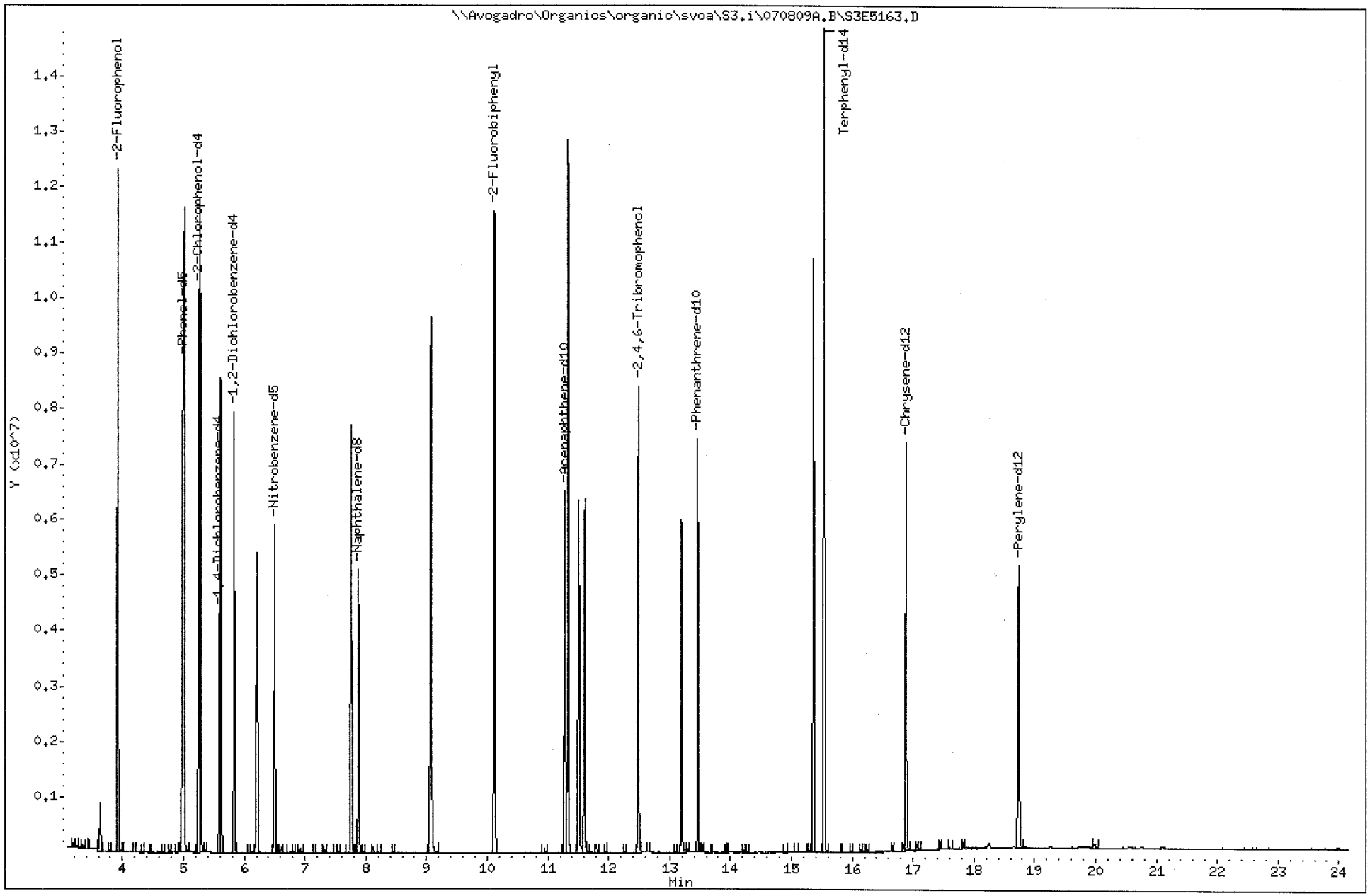
Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	63	
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	38	
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
1912-24-9	Atrazine	10	U
87-86-5	Pentachlorophenol	49	
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	29	
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\S3E5163.D
Date : 09-AUG-2007 18:41
Client ID: S3OLCS
Instrument: S3.i
Sample Info: LCS-31530,S3OLCS,31530
Volume Injected (uL): 2.0
Operator: CLM SRC: LIMS
Column phase: DB-5MS
Column diameter: 0.25



S1Z9

Data File: S3E5163.D
Report Date: 10-Aug-2007 10:35

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\S3E5163.D
Lab Smp Id: LCS-31530 Client Smp ID: S3OLCS
Inj Date : 09-AUG-2007 18:41
Operator : CLM SRC: LIMS Inst ID: S3.i
Smp Info : LCS-31530,S3OLCS,31530
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\070809A.B\s3_olm4_2_S.m
Meth Date : 09-Aug-2007 18:00 bmaczewska Quant Type: ISTD
Cal Date : 09-AUG-2007 17:34 Cal File: S3E5161.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.14
Processing Host: TARGET101

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	GPC Correction Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
$	1 2-Fluorophenol	112	3.922	3.917	(0.702)	3140544	113.702	57
$	3 Phenol-d5	99	4.990	4.980	(0.893)	4371926	112.465	56
	4 Phenol	94	5.012	5.001	(0.897)	4496860	113.052	57
$	6 2-Chlorophenol-d4	132	5.252	5.247	(0.940)	3494171	123.248	62
	7 2-Chlorophenol	128	5.279	5.273	(0.945)	3398708	118.429	59
*	8 1,4-Dichlorobenzene-d4	152	5.589	5.589	(1.000)	904655	40.0000	(Q)
$	9 1,2-Dichlorobenzene-d4	152	5.834	5.834	(1.044)	1552561	73.7823	37
	14 N-Nitroso-di-n-propylamine	70	6.214	6.219	(1.112)	1743130	66.1414	33(QH)
$	16 Nitrobenzene-d5	82	6.502	6.502	(0.825)	2891732	81.1913	41
*	23 Naphthalene-d8	136	7.880	7.880	(1.000)	3228053	40.0000	
	28 4-Chloro-3-Methylphenol	107	9.072	9.082	(1.151)	2977361	122.732	61
$	33 2-Fluorobiphenyl	172	10.124	10.124	(0.898)	4966753	75.3766	38
*	41 Acenaphthene-d10	164	11.278	11.278	(1.000)	1793883	40.0000	
	42 Acenaphthene	153	11.331	11.331	(1.005)	3762455	73.3614	37
	44 4-Nitrophenol	109	11.508	11.497	(1.020)	990227	126.836	63(R)
	46 2,4-Dinitrotoluene	165	11.604	11.599	(1.029)	1436887	76.2589	38(Q)
$	53 2,4,6-Tribromophenol	330	12.485	12.485	(0.927)	1117175	120.020	60
	57 Pentachlorophenol	266	13.196	13.196	(0.980)	876768	97.9704	49
*	58 Phenanthrene-d10	188	13.463	13.463	(1.000)	3016688	40.0000	
	64 Pyrene	202	15.359	15.359	(0.910)	5037567	58.7839	29

Data File: S3E5163.D
Report Date: 10-Aug-2007 10:35

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
$ 65 Terphenyl-d14	244	15.541	15.536	(0.921)	5182788	79.8891	40
* 69 Chrysene-d12	240	16.882	16.887	(1.000)	3134644	40.0000	
* 76 Perylene-d12	264	18.736	18.741	(1.000)	2841788	40.0000	

8/14/07 SW

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

KL

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

S3QLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) SOIL Lab Sample ID: LCS-31474

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3E5194

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 08/01/07

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/10/07

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____ Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	1800	
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	1900	
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
98-86-2	Acetophenone	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	1100	
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
105-60-2	Caprolactam	330	U
59-50-7	4-Chloro-3-Methylphenol	2000	
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	1200	

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

S3QLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) SOIL Lab Sample ID: LCS-31474

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3E5194

Level: (low/med) LOW Date Received: _____

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 08/01/07

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/10/07

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

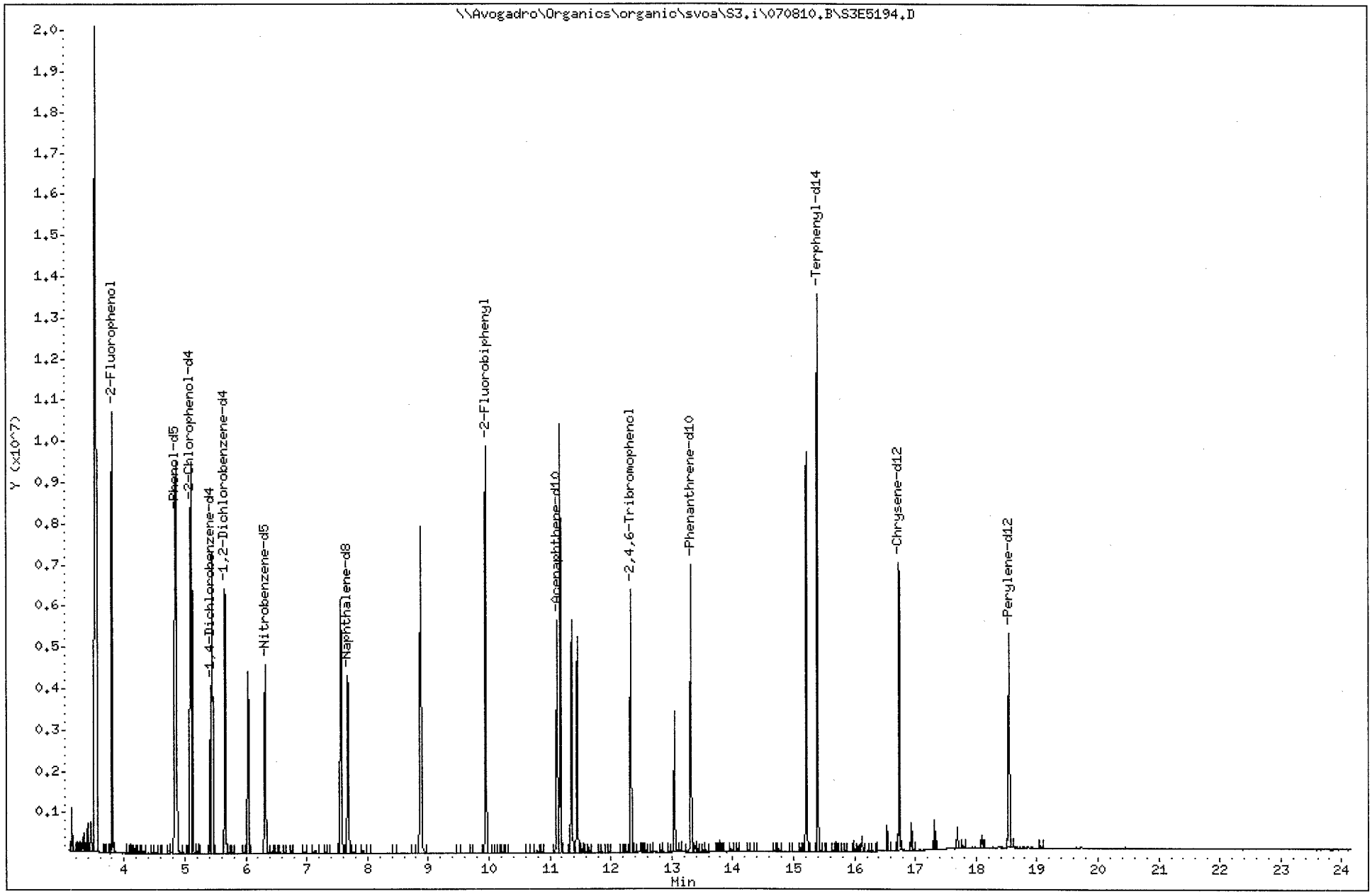
GPC Cleanup: (Y/N) Y pH: _____ Extraction: (Type) SONC

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	1900	
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	1200	
84-66-2	Diethylphthalate	330	U
86-73-7	Fluorene	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
100-01-6	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
1912-24-9	Atrazine	330	U
87-86-5	Pentachlorophenol	840	
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	940	
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

Data File: \\Avogadro\Organics\organic\svoa\S3.i\070810.B\S3E5194.D
Date : 10-AUG-2007 15:21
Client ID: S3QLCS
Sample Info: LCS-31474,S3QLCS,31474
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S3.i
Operator: CLM SRC: LIMS
Column diameter: 0.25



Data File: S3E5194.D
Report Date: 15-Aug-2007 11:31

Mitkem Corporation

CLP OLM04.1 QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S3.i\070810.B\S3E5194.D
Lab Smp Id: LCS-31474 Client Smp ID: S3QLCS
Inj Date : 10-AUG-2007 15:21
Operator : CLM SRC: LIMS Inst ID: S3.i
Smp Info : LCS-31474,S3QLCS,31474
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S3.i\070810.B\s3_olm4_2_S.m
Meth Date : 15-Aug-2007 11:23 S3.i Quant Type: ISTD
Cal Date : 10-AUG-2007 13:40 Cal File: S3E5191A.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: OLM4.sub
Target Version: 4.14
Processing Host: TARGET112

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	GPC correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
$	1 2-Fluorophenol	112	3.805	3.793	(0.702)	2582139	110.733	1800
$	3 Phenol-d5	99	4.841	4.834	(0.893)	3494334	108.320	1800
	4 Phenol	94	4.863	4.856	(0.897)	3708485	110.373	1800
$	6 2-Chlorophenol-d4	132	5.092	5.091	(0.939)	2709124	112.501	1900
	7 2-Chlorophenol	128	5.114	5.112	(0.943)	2701102	112.094	1900
*	8 1,4-Dichlorobenzene-d4	152	5.424	5.422	(1.000)	777226	40.0000	(Q)
$	9 1,2-Dichlorobenzene-d4	152	5.659	5.662	(1.043)	1306366	73.0603	1200
	14 N-Nitroso-di-n-propylamine	70	6.038	6.047	(1.113)	1421696	65.6808	1100(Q)
$	16 Nitrobenzene-d5	82	6.321	6.325	(0.823)	2318850	75.1277	1300
*	23 Naphthalene-d8	136	7.678	7.687	(1.000)	2817378	40.0000	
	28 4-Chloro-3-Methylphenol	107	8.875	8.894	(1.156)	2523851	119.437	2000
$	33 2-Fluorobiphenyl	172	9.948	9.952	(0.895)	4449542	74.7720	1200
*	41 Acenaphthene-d10	164	11.118	11.122	(1.000)	1635689	40.0000	
	42 Acenaphthene	153	11.172	11.175	(1.005)	3320974	71.6178	1200
	44 4-Nitrophenol	109	11.359	11.357	(1.022)	853714	116.733	1900
	46 2,4-Dinitrotoluene	165	11.455	11.453	(1.030)	1252662	71.4312	1200(Q)
$	53 2,4,6-Tribromophenol	330	12.331	12.335	(0.926)	859027	95.0116	1600
	57 Pentachlorophenol	266	13.047	13.051	(0.980)	467507	50.4179	840
*	58 Phenanthrene-d10	188	13.314	13.318	(1.000)	2829236	40.0000	

Data File: S3E5194.D
Report Date: 15-Aug-2007 11:31

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
64 Pyrene	202	15.216	15.214	(0.909)	4718401	56.2831	940
$ 65 Terphenyl-d14	244	15.397	15.396	(0.920)	4777532	75.6939	1300
* 69 Chrysene-d12	240	16.733	16.742	(1.000)	3090929	40.0000	
* 76 Perylene-d12	264	18.539	18.542	(1.000)	2708525	40.0000	

8/16/07 SV

QC Flag Legend

Q - Qualifier signal failed the ratio test.

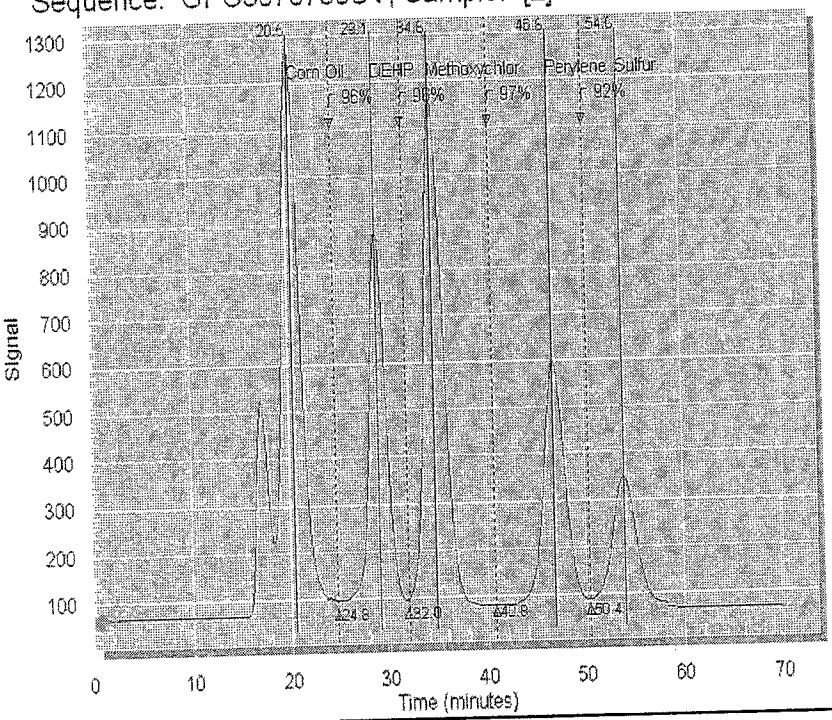
Column Calibration Report

Sample ID: GPC3070730-UV1
Sequence: GPC3070730UV
Description: sample
Volume: 5000
Method: GPC CALIBRATION
Position: 2
Outcome: Sample processed normally

Start Time: 13:32:14, 07/30/07
End Time: 14:44:29, 07/30/07

Column Name: DCMTrad
Description: DCM Trad
Serial #:
Pressure Limit: 30

Sequence: GPC3070730UV, Sample: [2] GPC3070730-UV1



GPC3070730-UV1

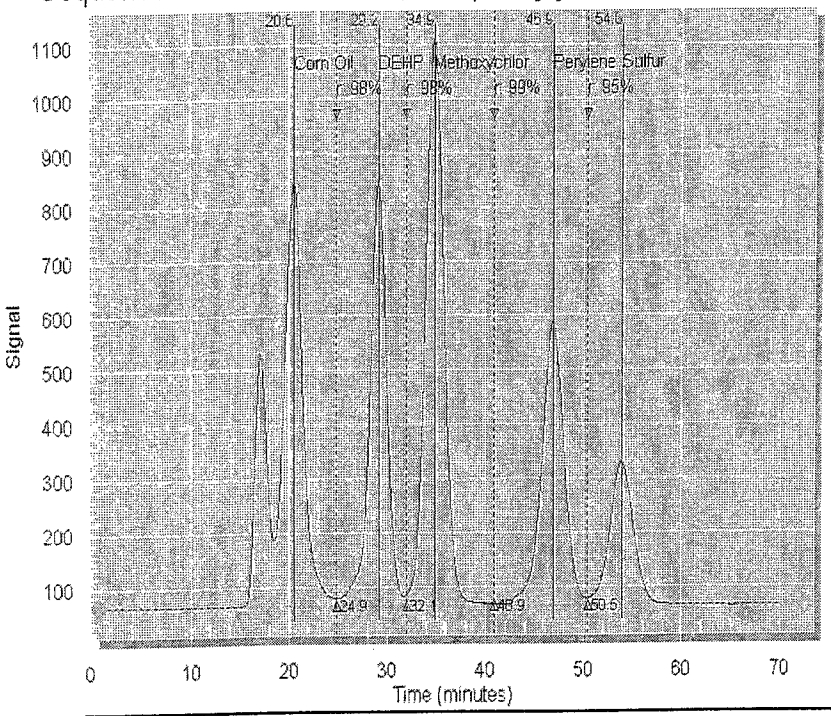
Peak	Sample	Retention Time	Pk Ht	Base	Res.	Tol.	P/F
1	Corn Oil	20.5	66	66.5			
2	DEHP	29.1	66	66.5	96.1	85.0	P
3	Methoxychlor	34.8	66	66.5	96.3	85.0	P
4	Perylene	46.8	66	66.5	97.1	85.0	P
5	Sulfur	54.0	66	66.5	91.7	85.0	P

Column Calibration Report

Sample ID: GPC3070730-UV2
Sequence: GPC3070730UV
Description: sample
Volume: 5000
Method: GPC CALIBRATION
Position: 3
Outcome: Sample processed normally

Start Time: 14:44:29, 07/30/07
End Time: 15:56:46, 07/30/07
Column Name: DCMTrad
Description: DCM Trad
Serial #:
Pressure Limit: 30

Sequence: GPC3070730UV, Sample: [3] GPC3070730-UV2



GPC3070730-UV2

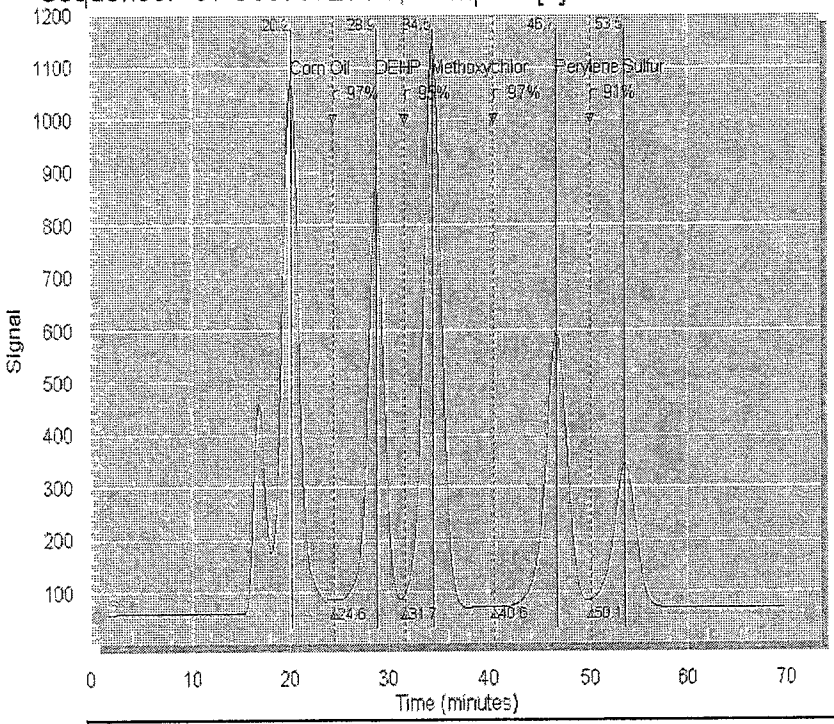
Peak	Sample	Retention Time	Pk Ht	Base	Res.	Tol.	P/F
1	Corn Oil	20.6	68	67.7			
2	DEHP	29.2	68	67.7	98.0	85.0	P
3	Methoxychlor	34.9	68	67.7	97.6	85.0	P
4	Perylene	46.9	68	67.7	99.4	85.0	P
5	Sulfur	54.0	68	67.7	95.3	85.0	P

Column Calibration Report

Sample ID: GPC3070723-UV1
Sequence: GPC3070723UV
Description: sample
Volume: 5000
Method: GPC CALIBRATION
Position: 2
Outcome: Sample processed normally

Start Time: 10:19:21, 07/23/07
End Time: 11:31:38, 07/23/07
Column Name: DCMTrad
Description: DCM Trad
Serial #:
Pressure Limit: 30

Sequence: GPC3070723UV, Sample: [2] GPC3070723-UV1



GPC3070723-UV1

Peak	Sample	Retention Time	Pk Ht	Base	Res.	Tol.	P/F
1	Corn Oil	20.2	59	59.4			
2	DEHP	28.9	59	59.4	96.6	85.0	P
3	Methoxychlor	34.5	59	59.4	95.1	85.0	P
4	Perylene	46.7	59	59.4	97.5	85.0	P
5	Sulfur	53.5	59	59.4	90.7	85.0	P

Sequence Log Report

Print Date: 7/31/2007
Print Time 8:47:10AM

Sequence: **GPC3070730CAL**

Pos #	Sample ID	Description	Method	Inject uL	Column	Status	Comments
1	GPC3070730-SB	sample	SVOA	5000	DCMTrad	Sample processed normally	
2	GPC3070730-PB	sample	PEST	5000	DCMTrad	Sample processed normally	
3	GPC3070730-PMS	sample	PEST	5000	DCMTrad	Sample processed normally	
4	GPC3070730-ARO	sample	PEST	5000	DCMTrad	Sample processed normally	

MITKEM CORPORATION: INSTRUMENT GC/MS LOGBOOK

0259

Operator Name:

Notes:

Start: 16:11:45, 07/30/07

End: 20:44:03, 07/30/07

Outcome: Sequence executed normally

Sequence Log Report

Print Date: 8/3/2007
Print Time 8:58:07AM

Sequence: **GPC3070802B**

Pos #	Sample ID	Description	Method	Inject uL	Column	Status	Comments
1	F1025-01A	sample	SVOA	5000	DCMTrad	Sample processed normally	
2	F0981-09A	sample	SVOA	5000	DCMTrad	Sample processed normally	
3	F0981-10A	sample	SVOA	5000	DCMTrad	Sample processed normally	
4	F0981-11AMS	sample	SVOA	5000	DCMTrad	Sample processed normally	
5	F0981-11AMSD	sample	SVOA	5000	DCMTrad	Sample processed normally	
6	F0981-11A	sample	SVOA	5000	DCMTrad	Sample processed normally	
7	LCS-31474	sample	SVOA	5000	DCMTrad	Sample processed normally	
8	MB-31474	sample	SVOA	5000	DCMTrad	Sample processed normally	

Operator Name:

Start: 23:16:24, 08/02/07

End: 08:19:39, 08/03/07

Outcome: Sequence executed normally

Sequence Log Report

Print Date: 8/3/2007
Print Time 8:58:07AM

Sequence: **GPC3070802B**

Pos #	Sample ID	Description	Method	Inject uL	Column	Status	Comments
1	F1025-01A	sample	SVOA	5000	DCMTrad	Sample processed normally	
2	F0981-09A	sample	SVOA	5000	DCMTrad	Sample processed normally	
3	F0981-10A	sample	SVOA	5000	DCMTrad	Sample processed normally	
4	F0981-11AMS	sample	SVOA	5000	DCMTrad	Sample processed normally	
5	F0981-11AMSD	sample	SVOA	5000	DCMTrad	Sample processed normally	
6	F0981-11A	sample	SVOA	5000	DCMTrad	Sample processed normally	
7	LCS-31474	sample	SVOA	5000	DCMTrad	Sample processed normally	
8	MB-31474	sample	SVOA	5000	DCMTrad	Sample processed normally	

Operator Name:

Notes:

Start: 23:16:24, 08/02/07

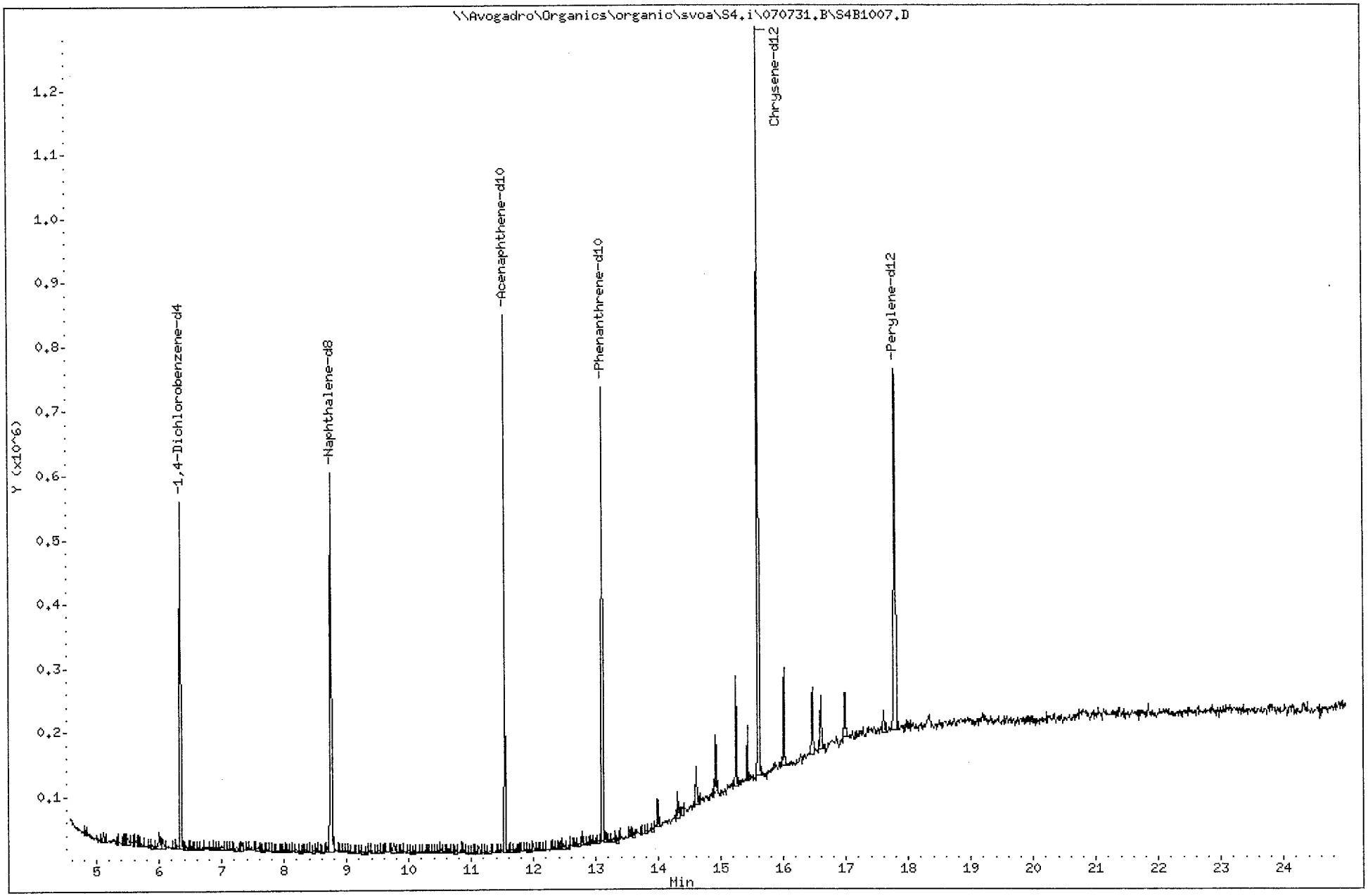
End: 08:19:39, 08/03/07

Outcome: Sequence executed normally

Data File: \\Avogadro\Organics\organic\svoa\S4.i\070731.B\S4B1007.D
Date : 31-JUL-2007 17:19
Client ID:
Sample Info: GPC3-070730SB
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S4.i

Operator: CLM SRC: CLM
Column diameter: 0.25



Data File: S4B1007.D
Report Date: 01-Aug-2007 11:19

Mitkem Corporation

CLP SOM QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S4.i\070731.B\S4B1007.D
Lab Smp Id: GPC3-070730SB
Inj Date : 31-JUL-2007 17:19
Operator : CLM SRC: CLM Inst ID: S4.i
Smp Info : GPC3-070730SB
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\S4.i\070731.B\S4_SOM.m
Meth Date : 01-Aug-2007 08:14 cmosher Quant Type: ISTD
Cal Date : 27-JUL-2007 15:12 Cal File: S4B9915.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TARGET111

Concentration Formula: Amt * DF * Uf*(Vt/Vi)*(1/Ws)*(100/(100-M)) * CpndVari

Name	Value	Description
DF	1.000	Dilution Factor
Uf	0.10000	GPC correction factor
Vt	10000.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)	
* 8 1,4-Dichlorobenzene-d4	152	6.344	6.344	(1.000)	97225	40.0000		(Q)
* 25 Naphthalene-d8	136	8.756	8.756	(1.000)	318889	40.0000		
* 46 Acenaphthene-d10	164	11.540	11.540	(1.000)	162480	40.0000		
* 65 Phenanthrene-d10	188	13.113	13.113	(1.000)	284836	40.0000		
79 bis(2-Ethylhexyl)phthalate	149	15.421	15.421	(0.989)	24351	3.88996		65(a)
* 77 Chrysene-d12	240	15.597	15.597	(1.000)	402958	40.0000		
* 85 Perylene-d12	264	17.781	17.781	(1.000)	365541	40.0000		

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

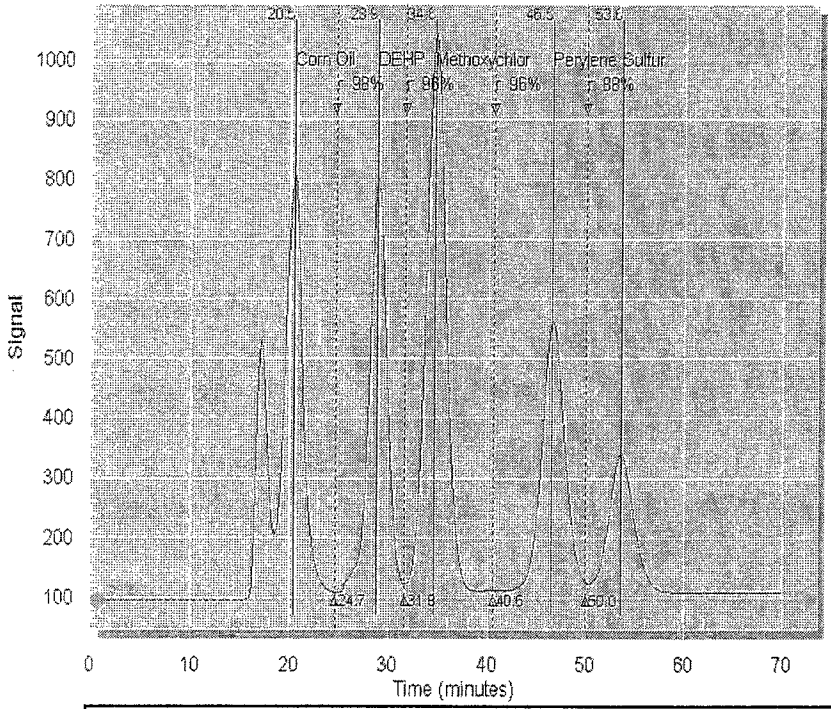
8/15/07 SW

Column Calibration Report

Sample ID: GPS3070808-UV1
Sequence: GPC3070808CAL
Description: sample
Volume: 5000
Method: GPC CALIBRATION
Position: 1
Outcome: Sample processed normally

Start Time: 00:04:50, 08/08/07
End Time: 01:18:35, 08/08/07
Column Name: DCMTrad
Description: DCM Trad
Serial #:
Pressure Limit: 30

Sequence: GPC3070808CAL, Sample: [1] GPS3070808-UV1



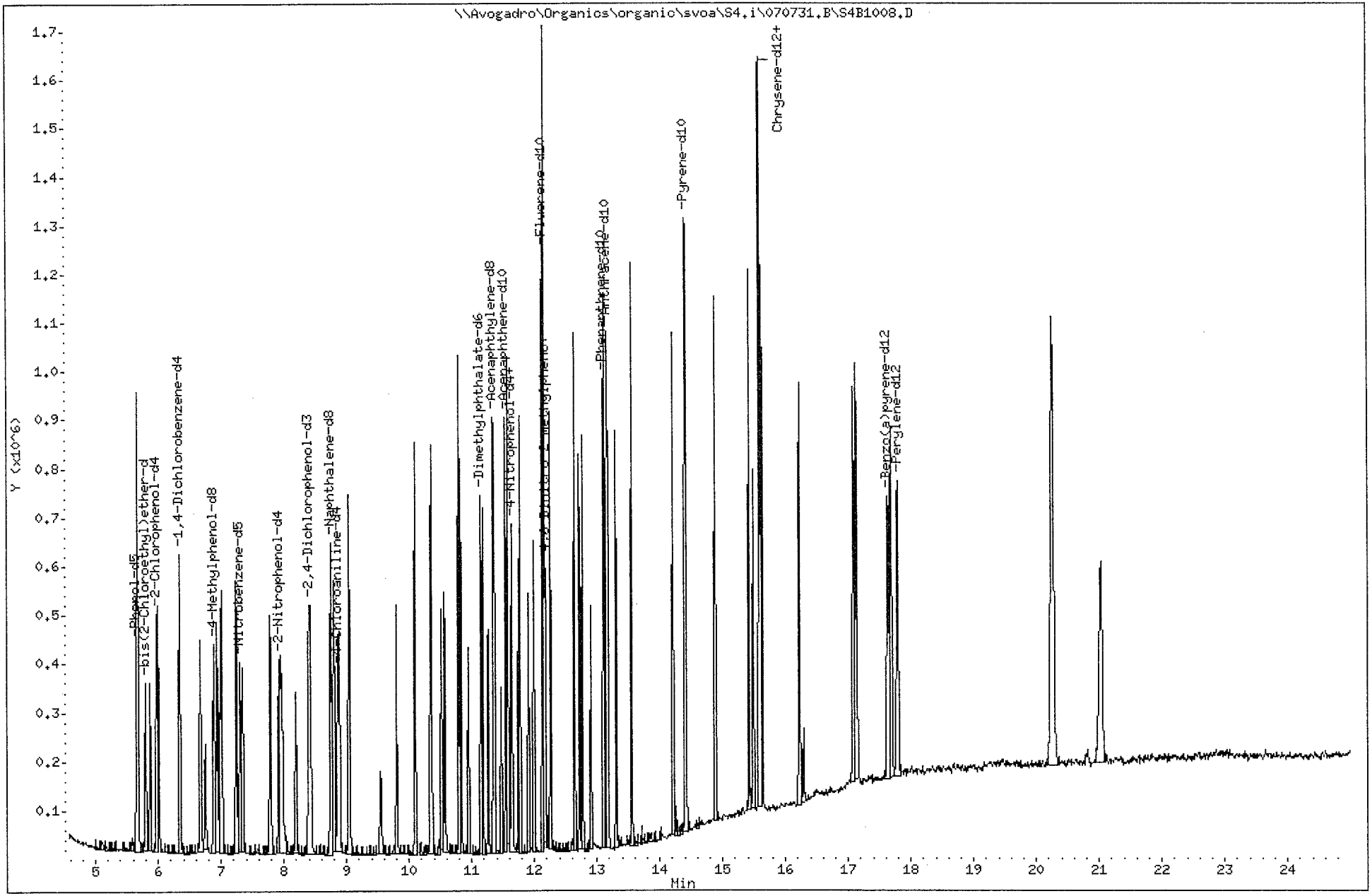
GPS3070808-UV1

Peak	Sample	Retention Time	Pk Ht	Base	Res.	Tol.	P/F
1	Corn Oil	20.5	95	95.4			
2	DEHP	28.9	95	95.4	97.8	85.0	P
3	Methoxychlor	34.6	95	95.4	96.1	85.0	P
4	Perylene	46.5	95	95.4	96.2	85.0	P
5	Sulfur	53.6	95	95.4	87.5	85.0	P

Data File: \\Avogadro\Organics\organic\svoa\S4.i\070731.B\S4B1008.D
Date : 31-JUL-2007 17:51
Client ID: SSTD02040
Sample Info: SSTD02040,SSTD02040
Volume Injected (uL): 2.0
Column phase: DB-5MS

Instrument: S4.i

Operator: CLM SRC: CLM
Column diameter: 0.25



Data File: S4B1008.D
Report Date: 01-Aug-2007 08:14

Mitkem Corporation

CLP SOM QUANTITATION REPORT

Data file : \\Avogadro\Organics\organic\svoa\S4.i\070731.B\S4B1008.D
Lab Smp Id: SSTD0204O Client Smp ID: SSTD0204O
Inj Date : 31-JUL-2007 17:51
Operator : CLM SRC: CLM Inst ID: S4.i
Smp Info : SSTD0204O,SSTD0204O
Misc Info : 2,3
Comment :
Method : \\Avogadro\Organics\organic\svoa\S4.i\070731.B\S4_SOM.m
Meth Date : 01-Aug-2007 08:14 cmosher Quant Type: ISTD
Cal Date : 27-JUL-2007 15:12 Cal File: S4B9915.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: TARGET111

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	1000.000	Volume of final extract (uL)
Vi	2.000	Volume injected (uL)
Vo	1000.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	1 Benzaldehyde	77	5.671	5.671	(0.894)	157189	40.0000	50
$	2 Phenol-d5	99	5.651	5.651	(0.891)	174476	40.0000	42
	3 Phenol	94	5.671	5.671	(0.894)	174453	40.0000	42
$	4 bis(2-Chloroethyl)ether-d8	67	5.795	5.795	(0.914)	133424	40.0000	48
	5 bis(2-Chloroethyl)ether	93	5.868	5.868	(0.925)	135044	40.0000	43
$	6 2-Chlorophenol-d4	132	5.982	5.982	(0.943)	133470	40.0000	40
	7 2-Chlorophenol	128	6.002	6.002	(0.946)	132913	40.0000	41
*	8 1,4-Dichlorobenzene-d4	152	6.344	6.344	(1.000)	109708	40.0000	(Q)
	9 2-Methylphenol	108	6.675	6.675	(1.052)	119928	40.0000	42
	10 2,2'-oxybis(1-Chloropropane)	45	6.748	6.748	(1.064)	89882	40.0000	40
$	11 4-Methylphenol-d8	113	6.882	6.882	(1.085)	120879	40.0000	41
	12 4-Methylphenol	108	6.934	6.934	(1.093)	122897	40.0000	41
	14 N-Nitroso-di-n-propylamine	70	6.986	6.986	(1.101)	118152	40.0000	47
	13 Acetophenone	105	7.017	7.017	(1.106)	205665	40.0000	43
	15 Hexachloroethane	117	7.244	7.244	(1.142)	80716	40.0000	46
$	16 Nitrobenzene-d5	128	7.307	7.307	(0.835)	62232	40.0000	40
	17 Nitrobenzene	77	7.338	7.338	(0.838)	223831	40.0000	48
	18 Isophorone	82	7.783	7.783	(0.889)	310703	40.0000	47
$	19 2-Nitrophenol-d4	143	7.928	7.928	(0.905)	68768	40.0000	40
	20 2-Nitrophenol	139	7.959	7.959	(0.909)	67946	40.0000	39
	21 2,4-Dimethylphenol	107	7.979	7.979	(0.911)	96222	40.0000	35

Data File: S4B1008.D
Report Date: 01-Aug-2007 08:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)
	22 bis(2-Chloroethoxy)methane	93	8.197	8.197	(0.936)	148724	40.0000	42
$	23 2,4-Dichlorophenol-d3	165	8.404	8.404	(0.960)	121576	40.0000	40
	24 2,4-Dichlorophenol	162	8.424	8.424	(0.962)	110523	40.0000	38
*	25 Naphthalene-d8	136	8.756	8.756	(1.000)	364105	40.0000	
	26 Naphthalene	128	8.807	8.807	(1.006)	351183	40.0000	41
$	27 4-Chloroaniline-d4	131	8.859	8.859	(1.012)	132597	40.0000	36(Q)
	28 4-Chloroaniline	127	8.890	8.890	(1.015)	130696	40.0000	37
	29 Hexachlorobutadiene	225	9.045	9.045	(1.033)	118573	40.0000	42
	30 Caprolactam	113	9.542	9.542	(1.090)	38294	40.0000	42
	31 4-Chloro-3-methylphenol	107	9.801	9.801	(1.119)	121948	40.0000	41
	32 2-Methylnaphthalene	142	10.101	10.101	(1.154)	227541	40.0000	38
	33 Hexachlorocyclopentadiene	237	10.339	10.339	(0.896)	60666	40.0000	33
	34 1,2,4,5-Tetrachlorobenzene	216	10.360	10.360	(0.898)	139366	40.0000	41
	35 2,4,6-Trichlorophenol	196	10.526	10.526	(0.912)	75067	40.0000	39
	36 2,4,5-Trichlorophenol	196	10.577	10.577	(0.917)	85756	40.0000	42
	37 1,1'-Biphenyl	154	10.795	10.795	(0.935)	281081	40.0000	45
	38 2-Chloronaphthalene	162	10.826	10.826	(0.938)	207229	40.0000	43
	39 2-Nitroaniline	65	10.950	10.950	(0.949)	93855	40.0000	48
$	40 Dimethylphthalate-d6	166	11.157	11.157	(0.967)	275359	40.0000	44
	41 Dimethylphthalate	163	11.188	11.188	(0.970)	262825	40.0000	44
	42 2,6-Dinitrotoluene	165	11.271	11.271	(0.977)	56043	40.0000	41
$	43 Acenaphthylene-d8	160	11.354	11.354	(0.984)	318091	40.0000	42
	44 Acenaphthylene	152	11.374	11.374	(0.986)	313860	40.0000	45
	45 3-Nitroaniline	138	11.478	11.478	(0.995)	49824	40.0000	38
*	46 Acenaphthene-d10	164	11.540	11.540	(1.000)	179364	40.0000	
	47 Acenaphthene	153	11.581	11.581	(1.004)	215242	40.0000	42
	48 2,4-Dinitrophenol	184	11.602	11.602	(1.005)	27320	40.0000	31
$	49 4-Nitrophenol-d4	143	11.643	11.643	(1.009)	41504	40.0000	36
	50 4-Nitrophenol	109	11.654	11.654	(1.010)	72325	40.0000	46
	51 2,4-Dinitrotoluene	165	11.747	11.747	(1.018)	71761	40.0000	38(Q)
	52 Dibenzofuran	168	11.778	11.778	(1.021)	287650	40.0000	41
	53 Diethylphthalate	149	12.006	12.006	(1.040)	275159	40.0000	46
	118 2,3,4,6-Tetrachlorophenol	232	11.912	11.912	(1.032)	68920	40.0000	38
$	54 Fluorene-d10	176	12.130	12.130	(1.051)	239268	40.0000	39
	55 4-Chlorophenyl-phenylether	204	12.150	12.150	(1.053)	155073	40.0000	39
	56 Fluorene	166	12.161	12.161	(1.054)	269728	40.0000	43
	57 4-Nitroaniline	138	12.161	12.161	(1.054)	60288	40.0000	41
$	58 4,6-Dinitro-2-methylphenol-d2	200	12.182	12.182	(0.929)	48535	40.0000	31
	59 4,6-Dinitro-2-methylphenol	198	12.192	12.192	(0.930)	45609	40.0000	37(Q)
	60 N-Nitrosodiphenylamine	169	12.264	12.264	(0.935)	172401	40.0000	41
	61 4-Bromophenyl-phenylether	248	12.647	12.647	(0.964)	81501	40.0000	39
	62 Hexachlorobenzene	284	12.730	12.730	(0.971)	73526	40.0000	39
	63 Atrazine	200	12.772	12.772	(0.974)	92274	40.0000	40
	64 Pentachlorophenol	266	12.906	12.906	(0.984)	36657	40.0000	34
*	65 Phenanthrene-d10	188	13.113	13.113	(1.000)	324656	40.0000	
	66 Phenanthrene	178	13.134	13.134	(1.002)	383055	40.0000	45
$	67 Anthracene-d10	188	13.165	13.165	(1.004)	362634	40.0000	40
	68 Anthracene	178	13.186	13.186	(1.006)	366191	40.0000	44
	117 Carbazole	167	13.310	13.310	(1.015)	297766	40.0000	42
	70 Di-n-butylphthalate	149	13.558	13.558	(1.034)	461732	40.0000	50
	71 Fluoranthene	202	14.210	14.210	(1.084)	447087	40.0000	45
$	72 Pyrene-d10	212	14.407	14.407	(0.924)	394000	40.0000	40
	73 Pyrene	202	14.428	14.428	(0.925)	504966	40.0000	47
	74 Butylbenzylphthalate	149	14.893	14.893	(0.955)	220938	40.0000	45

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Report Date: 01-Aug-2007 08:14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)
	79 bis(2-Ethylhexyl)phthalate	149	15.421	15.421	(0.989)	311328	40.0000	46
	75 3,3'-Dichlorobenzidine	252	15.494	15.494	(0.993)	129077	40.0000	43
	76 Benzo(a)anthracene	228	15.587	15.587	(0.999)	560992	40.0000	48
*	77 Chrysene-d12	240	15.597	15.597	(1.000)	432234	40.0000	
	78 Chrysene	228	15.628	15.628	(1.002)	502487	40.0000	47
	80 Di-n-octylphthalate	149	16.228	16.228	(0.912)	540477	40.0000	42
	81 Benzo(b)fluoranthene	252	17.088	17.088	(0.960)	531241	40.0000	41
	82 Benzo(k)fluoranthene	252	17.129	17.129	(0.963)	561244	40.0000	41
$	83 Benzo(a)pyrene-d12	264	17.636	17.636	(0.991)	394300	40.0000	39
	84 Benzo(a)pyrene	252	17.688	17.688	(0.994)	502166	40.0000	43
*	85 Perylene-d12	264	17.791	17.791	(1.000)	383876	40.0000	
	86 Indeno(1,2,3-cd)pyrene	276	20.265	20.265	(1.139)	624350	40.0000	47
	87 Dibenzo(a,h)anthracene	278	20.275	20.275	(1.140)	540308	40.0000	47
	88 Benzo(g,h,i)perylene	276	21.031	21.031	(1.182)	506996	40.0000	46

QC Flag Legend

Q - Qualifier signal failed the ratio test.

8/15/07 SW

MITKEM CORPORATION: ORGANIC PREP - CLP Semivolatiles

Date	Analysis	Method:	AQ: 3510C(SepF) 3520C(Cont) Other:	Sample Matrix: Aqueous (Soil)	Date/Time Started:
8/1/07	OLM 5.0a		Soil: 3540C(Soxhlet) 3550B(Sonic)	Other:	8/1/07
Blank ID	**LCS ID**	**Analyst:**	**Spiked by:**	**Witness:**	**Solvent:** MeCl/Acetone **Lot #** E23E16	**Acid Lot #**	**GPC #**	**Date/Time Ended:**
31474	31474	DZ	DZ	Tony				8/1/07

Lab ID	Bottle #	Wt(g) Vol(mL) Extracted	Surrogate Added(uL)	Matrix Spike Added(uL)	Initial pH	RV/KD prior to GPC Date/Analyst		Vol. pre GPC	GPC Date/Analyst		RV/KD after GPC Date/Analyst		Final Extract Vol.(mL)	Date Ext. Trans.
MB-31474	—	30.0	500 uL OSW0707128	—		8/1/07	WLi	10mL	8/2/07	DK	8/3/07	WLi	0.5mL	8/3/07
LCS-31474	—	30.0		500 uL OSW070410A										
F0981-09A	1	30.0		—										
-10A		30.4		—										
-11A		30.2		—										
-1AMS		30.0		500 uL OSW070410A										
F0981-11AMSD		30.2		500 uL OSW070410A										
F1025-01A	1	30.1	500 uL OSW0707128	—		8/1/07	WLi	10mL	8/2/07	DK	8/3/07	WLi	0.5mL	8/3/07

DL 8/1/07

8/1/07

PL 8/1/07

Comments

Sodium Sulfate Lot #: FIS594

L/L Drip Rate: NA

Soxhlet Cycle/Hour NA

Sonicator Tuned: (Yes) / No

Reviewed By: Cw 8/3/07

MITKEM CORPORATION: ORGANIC PREP - CLP Semivolatiles

Date 8/3/07	Analysis OLM SVOA	Method:	AQ: 3510C(SepF) (3520C(Liq/Liq)) Other:_____ Soil: 3540C(Soxhlet) 3550B(Sonic)			Sample Matrix (Aqueous) Soil Other:	Date/Time Started: 8/3/07 2:30PM
Blank ID 31V30	LCS ID 31V30	Analyst: Roy	Spiked by: BM	Witness: Roy	Solvent: CH_2Cl_2 Lot # E33E44	Acid Lot # OAW070720A	GPC # —	Date/Time Ended: 8/4/07 8:30AM

Lab ID	Bottle #	Wt(g) Vol(mL) Extracted	Surrogate Added(uL)	Matrix Spike Added(uL)	Initial pH	RV/KD ~~prior to GPC~~ Date/Analyst		Vol. pre GPC	GPC Date/Analyst	RV/KD after GPC Date/Analyst	Final Extract Vol.(mL)	Date Ext. Trans.
MB 31V30	—	1000ML	OAW070712B 100µL	—	7	8/4/07	Wei	—			1mL	8/6/07
LCS 31V30	—	↓	↓	OAW070410A 100µL	↓	↓	↓				↓	↓
LCSD 31V30	—	↓	↓	OAW070410A 100µL	7	↓	↓				↓	↓
F1025-024	1	1000ML	OAW070712B 100µL	—	6	8/4/07	Wei				1mL	8/6/07
						8/3/07 AR						

Comments

Sodium Sulfate Lot #: _____

L/L Drip Rate: >60 DROPS PER MINUTE

Soxhlet Cycle/Hour N/A

Sonicator Tuned: Yes / No N/A

Logbook ID: 50.0173-06/07

Reviewed By: 08/06/07 BM

Percent Moisture and Percent Solids Report

Mitkem Sample ID	*Client Sample ID*	*Analyzed*	*Percent Moisture*	*Percent Solids*	*Validated*
F1025-01A	*OTMI-MW-BR11*	08/01/2007	13	87	Yes

MITKEM CORPORATION **pH Determination Logbook**

pH Meter: pH Meter_070731A

Date	Sample ID		pH Reading	Buffer IDs	Comments	Analyst
~~7/30/07~~ 7/31/07 DKD	pH 4.0	—	4.00	IWP060613A		DKD
	pH 10.0	—	10.00	IWP061020C		
	pH 7.0	—	7.00	IWP061129D		
	F0981	09A	7.94	———		
	↓	09ADUP	7.89	↓		
	↓	10A	7.62			
	F0981	11A	7.91			
	F1017	02A	7.36			
	↓	03A	7.94			
	↓	04A	8.05			
	↓	05A	6.46			
	↓	07A	8.03	↓		
	F1017	08A	6.33	———		
	pH 7.0	—	7.04	IWP061129D		
	F1017	09A	8.01	———		
	↓	10A	8.02	↓		
	↓	11A	6.55			
	↓	12A	6.70			
	↓	14A	7.71			
	↓	15A	8.22			
	F1017	17A	8.66	↓		
DKD 7/31/08 ↓	F1025	01A	8.00	———		↓
~~7/30/07~~ 7/31/07	pH 7.0	—	7.04	IWP061129D		DKD
				DKD 7/31/07		

pH LCS (Buffer 7.00) Acceptance Criteria:
±0.05 S.U.
Frequency: at least every 20 samples

Calibration Check Criteria:
pH Buffer: 4.00±0.05 S.U.
10.00+0.05 S.U.
7.00+0.05 S.U.

Logbook ID: 30.0210 - 04/07

Level 1 Review by DKD 7/31/07

Data Entry to LIMS DKD 7/31/07 **Level 2 QA Review** ACW 7/31/07

Mitkem Corporation
Semivolatiles Laboratory

Instrument S3 Injection Log

METHOD: OLM
ICAL DATE: 8/9/07

ANALYST: BM
EMV: 1600

BATCH: 070809.B

Start: 09-AUG-07 13:13
End: 09-AUG-07 16:48

Comments: IS = SI070509A

Tune - SW070807A
L1 - SW070809A
L2 - SW070809B
L3 - SW070809C
L4 - SW070809D
L5 - SW070809E

Liner - clean
Column - clipped
Gold Seal - clean

Reviewed By: CS 8/10/07

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	INTERNAL STANDARDS DCB	NPT	ANT	PHN	CRY	PRY	SURROGATES BN NBZ	FBP	TPH	ACID PHL	2FP	TBP	OLM DCB	2CP	DILN	FLG	COMMENTS
																				1		ok
S3E5150	13:13	DFTPP3M	DFTPP3M		AQ															1		
S3E5151	13:45	SSTD0503M	SSTD0503M		AQ	100	100	100	100	100	100									1		
S3E5152	14:43	SSTD1603M	SSTD1603M		AQ	93	96	97	99	105	108									1		OK OLM + Toluic Acid ICal
S3E5153	15:16	SSTD0203M	SSTD0203M		AQ	104	104	104	104	98	95									1		
S3E5154	15:49	SSTD1203M	SSTD1203M		AQ	91	91	93	94	101	102									1		
S3E5155	16:22	SSTD0803M	SSTD0803M		AQ	96	96	97	98	102	102									1		

E - One or more target compounds are above the calibration range
R - One or more spike compounds are outside of control limits
T - Sample was injected outside of the 12 hour sequence
* - Internal Standard or Surrogate outside of control limits
D - Surrogates are diluted

Ferrule

SW 8/10/07

Reviewed By: _____

Logbook ID 70.0192-05/07

Instrument S3
Injection Log

Mitkem Corporation
SemiVolatiles Laboratory

Mitkem Corporation
Semivolatiles Laboratory

Instrument S3 Injection Log

METHOD: OLM
ICAL DATE: 8/9/07

ANALYST: CLM
EMV: 1600

BATCH: 070809A.B

Start: 09-AUG-07 17:16
End: 10-AUG-07 05:57

Comments: IS: SI070509A

Tune - SW070807 A

L_3 - SW070809C

Liner - clean
Column - clipped
Gold Seal - clean

Reviewed By: SW 8/10/07

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	INTERNAL STANDARDS DCB	NPT	ANT	PHN	CRY	PRY	SURROGATES BN NBZ	BN FBP	BN TPH	ACID PHL	ACID 2FP	ACID TBP	OLM DCB	OLM 2CP	DILN	FLG	COMMENTS
S3E5160	17:16	DFTPP3N	DFTPP3N																	1		ok
S3E5161	17:34	SSTD0503N	SSTD0503N		AQ	100	100	100	100	100	100									1		ok
S3E5162	18:07	MB-31530	SBLK3O	31530	AQ	116	110	108	106	93	94	84	76	82	76	80	80	76	85	1		ok
S3E5163	18:41	LCS-31530	S3OLCS	31530	AQ	123	116	111	109	99	100	81	75	80	75	76	80	74	82	1	R	ok
S3E5164	19:15	LCSD-31530	S3OLCSD	31530	AQ	117	111	106	104	95	98	80	77	81	74	76	81	76	82	1	R	ok
S3E5165	19:48	F1025-02A	RB	31530	AQ	114	108	106	104	94	94	85	78	82	75	80	81	79	85	1		ok
S3E5166	20:22	MB-31558	SBLK3P	31558	AQ	107	102	101	99	88	87	85	80	84	77	81	80	80	86	1		ok
S3E5167	20:56	LCS-31558	S3PLCS	31558	AQ	116	111	106	105	96	97	82	78	80	77	78	81	76	84	1	R	ok
S3E5168	21:29	F1075-01B	J67999X-1	31558	AQ	106	101	99	96	89	90				76	78	82		84	1		ok
S3E5169	22:03	F1075-01BMS	J67999X-1MS	31558	AQ	107	101	98	96	89	90				70	70	79		78	1		ok
S3E5170	22:37	F1075-01BMSD	J67999X-1MSD	31558	AQ	104	100	97	95	88	92				73	74	81		80	1		ok
S3E5171	23:11	F1075-02B	J67999X-2	31558	AQ	110	105	103	100	91	94				74	77	79		81	1		ok
S3E5172	23:45	F1075-03B	J67999X-3	31558	AQ	100	96	100	99	96	99				73	76	90		80	1		ok
S3E5173	00:19	F1075-04B	J67999X-4	31558	AQ	102	97	98	93	89	91				72	76	90		79	1		ok
S3E5174	00:52	F1075-05B	J67999X-5	31558	AQ	109	103	101	96	88	90				70	74	83		78	1		ok
S3E5175	01:26	F1075-06B	J67999X-6	31558	AQ	107	101	100	97	89	90				72	74	83		80	1		ok
S3E5176	02:00	F1075-07B	J67999X-7	31558	AQ	101	96	95	94	88	90				74	78	84		82	1		ok
S3E5177	02:34	F1075-08B	J67999X-8	31558	AQ	104	98	98	95	88	90				73	77	81		81	1		ok
S3E5178	03:08	F1075-09B	J67999X-9	31558	AQ	100	95	94	91	82	83				73	78	83		83	1		ok
S3E5179	03:42	F1075-10B	J67999X-10	31558	AQ	103	99	98	95	87	88				75	80	82		83	1		ok
S3E5180	04:16	F1075-11B	J67999X-11	31558	AQ	95	94	93	96	91	90				76	80	80		84	1		ok
S3E5181	04:50	F1025-01A	MW-BR11	31474	SL	96	93	90	88	78	74	37	38	44	35	37	31	35	37	1	T	RR Tune time
S3E5182	05:23	F0981-09A	MW-BR09	31474	SL	121	115	111	106	90	85	69	67	74	62	68	62	66	68	1	T	RR Tune Time
S3E5183	05:57	F0981-10A	MW-BR10	31474	SL	103	100	98	97	82	79	69	68	77	64	70	64	67	70	1		

E - One or more target compounds are above the calibration range
R - One or more spike compounds are outside of control limits
T - Sample was injected outside of the 12 hour sequence
* - Internal Standard or Surrogate outside of control limits
D - Surrogates are diluted

SW 8/10/07

Mitkem Corporation
Semivolatiles Laboratory

Instrument S3 Injection Log

METHOD: OLM-SV
ICAL DATE: 8/9/07

ANALYST: CM
EMV: 1600

BATCH: 070810.B

Start: 10-AUG-07 12:38
End: 11-AUG-07 00:21

Comments: I.S = SIO70509A

Tune - SW 070807A

L3 - SW 070809C

Liner - clean
Column - clipped
Gold Seal - clean

Reviewed By: CM 8/13/07 SW 8/16/07

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	INTERNAL STANDARDS DCB	NPT	ANT	PHN	CRY	PRY	SURROGATES BN NBZ	BN FBP	BN TPH	ACID PHL	ACID 2FP	ACID TBP	OLM DCB	OLM 2CP	DILN	FLG	COMMENTS
S3E5190	12:38	DFTPP3O	DFTPP3O		AQ	100	100	100	100	100	100									1		OK
S3E5191A	13:40	SSTD0503O	SSTD0503O		AQ	100	100	100	100	100	100									1		OK
S3E5192	14:13	MB-31474	SBLK3Q	31474	SL	118	117	117	117	107	111	84	76	78	79	81	76	76	85	1		Not used - wrong vial
S3E5193	14:47	MB-31474	SBLK3Q	31474	SL	107	107	107	107	99	97	73	73	75	71	75	60	72	75	1		ok
S3E5194	15:21	LCS-31474	S3QLCS	31474	SL	109	107	107	108	99	96	75	75	76	72	74	63	73	75	1		ok
S3E5195	16:22	F0981-09A	MW-BR09	31474	SL	120	120	120	120	109	107	68	67	69	66	69	59	67	70	1		OK
S3E5196	16:56	MB-31231	SBLK3R	31231	SL	111	110	109	110	100	97	73	72	72	70	72	56	70	73	1		OK
S3E5197	17:30	MB-31309	SBLK3S	31309	SL	122	122	123	122	110	109	73	70	72	71	74	56	72	74	1		ok
S3E5198	18:03	LCS-31231	S3RLCS	31231	SL	129	126	123	121	110	107	76	74	73	72	73	66	72	76	1		ok
S3E5199	18:38	LCS-31309	S3SLCS	31309	SL	123	122	120	118	107	102	71	72	72	70	70	61	69	73	1		ok
S3E5200	19:12	F0981-10A	MW-BR10	31474	SL	106	104	103	102	93	89	68	69	72	65	70	60	67	69	1		OK
S3E5201	19:46	F0981-11A	MW-BR12	31474	SL	107	107	105	103	93	90	70	70	73	67	72	63	67	72	1		ok
S3E5203	20:20	F0981-11AMS	MW-BR12MS	31474	SL	99	98	95	97	88	85	71	74	78	70	72	70	69	74	1		ok
S3E5204	20:54	F0981-11AMSD	MW-BR12MSD	31474	SL	117	113	111	109	98	93	72	72	74	69	71	68	70	73	1		ok
S3E5205	21:28	F0981-03A	SB06	31231	SL	145	139	134	126	105	98	66	65	69	60	64	61	63	65	1		ok
S3E5206	22:02	F0981-08A	MW-BR09	31309	SL	169	157	149	135	107	103	69	68	72	57	57	41	65	59	1		ok
S3E5207	22:37	F0981-07ADL	MW-BR07DL	31309	SL	259*	231*	236*	200*	169	188	36	35	47	21D	9.0D	0D	30	13D	5		Not needed
S3E5208	23:12	F0981-04A	SB12	31231	SL	126	122	121	112	101	111	69	70	69	64	66	57	66	67	1		ok
S3E5209	23:46	F0981-05A	SB12/D	31231	SL	115	113	109	105	102	114	74	77	71	69	71	66	71	74	1		ok
S3E5210	00:21	F0981-07A	MW-BR07	31309	SL	109	108	108	106	107	114	60	64	64	41	17*	5.1*	58	27	1		ok - Re-Ext

E - One or more target compounds are above the calibration range
R - One or more spike compounds are outside of control limits
T - Sample was injected outside of the 12 hour sequence
* - Internal Standard or Surrogate outside of control limits
D - Surrogates are diluted

SW 8/13/07

MITKEM CORPORATION

Sample Receiving Logbook

Workorder No. H0025

Client Name: ENE

Date Recv'd 7.26.07 **Sample #s** 01 **Storage Locations:** A1, VOA

Date Recv'd 8/1/07 **Sample #s** 02-03 **Storage Locations:** E3, VOA, M1 DKD

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

OUT		IN	
Relinquished By	**Received By**	**Relinquished By**	**Received By**
Date: 7.26.07 Init: CM	Date: 7.2607 Init: KP	Date: 7.2607 Init: KP	Date: 7.2607 Init: CM
Samp. #s 01A pH		01A	
Date: 7/30 Init: DD	Date: 7/30 Init: DD	Date: 7/30 Init: DD	Date: 7/30 Init: JD
Samp. #s 1B Cy		1B	
Date: 7/30/07 Init: KP	Date: 7/30/07 Init: DKD	Date: 7/30/07 Init: DKD	Date: 7/30/07 Init: KP
Samp. #s 01A1 pH		01A1	
Date: 8.1.07 Init: DKD	Date: 8.1.07 Init: DL	Date: 8.1.07 Init: DL	Date: 8.1.07 Init: DKD
Samp. #s 01A olm svoa		01A olm svoa	
Date: 8/3/7 Init: DKD	Date: 8/3/7 Init: DL	Date: 8/3/7 Init: DL	Date: 8/3/7 Init: DKD
Samp. #s 02A1, 02A2 olm svoa olc pp		02A olm svoa	
Date: 8/7/07 Init: DKD	Date: 8/7/07 Init: BV	Date: 8/7/07 Init: BV	Date: 8/7/07 Init: DKD
Samp. #s 02C CN-		02C	
Date: 8/13/07 Init: DKD	Date: 8/13/07 Init: NS	Date: 8/13/07 Init: DKD	Date: 8/13/07 Init: NS
Samp. #s 1B, 2B ICP, Hg		01B, 2B	
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			

Comments: _____

Please record analyst's initials, date, and sample #s removed. Add any comments if necessary (broken bottles, empty jars, etc.)
Include the abbreviated name of the test to be performed., ie: SVOA, PCB...near the "samp. #s".
Include bottle or jar number when more than one.

Reviewed: X 8/14/07

MITKEM CORPORATION EXTRACT TRANSFER LOGBOOK: SEMIVOLATILE ANALYSIS

Date Transferred from Prep Lab	Lab ID		Transferred By	Received By	Storage Location	Comments
8/1/07	LCSD31456	–	[illegible]	BM	R7-79	
	F1030	01A				
		03A				
		05A				
		07A				
		09A				
		11A				
		13A				
		15A				
		17A				
		19A				
		21A				
		23A				
		25A				
		27A				
		29A				
	F1030	31A				
	F1039	01A				
		03A				
		04A				
8/1/07	F1039	05A	[illegible]			
8/2/07	MB31501	–	[illegible]	BM	R7-79	
	LCS31501	–				
	LCSD31501	–				
	F1060	01B				
		02B				
	MB31498	–				
	LCS31498	–				
8/2/07	F1062	07A	[illegible]			
8/3/07	MB31474	–	[illegible]	CW	CLP-R7-48	
	LCS31474	–				
	F0981	09A				
		10A				
8/3/07	F0981	11A	[illegible]	CW	CLP-R7-48	

Logbook ID 70.0141-05/07

Reviewed By: SW 8/9/07

MITKEM CORPORATION EXTRACT TRANSFER LOGBOOK: SEMIVOLATILE ANALYSIS

Date Transferred from Prep Lab	Lab ID		Transferred By	Received By	Storage Location	Comments
8/3/07	F0981	11AMS	[illegible]	CW	CLP-R7-48	
↓	↓	11AMSD	↓	↓	↓	
8/3/07	F1025	07A	[illegible]	CW	CLP R7-48	
8/3/07	F1039	06B	[illegible]	BM	R7-79	
	F1051	01A		BM	R7-2980	CW 8/4/07
		01AMS				
		01AMSD				
		02A				
		03A				
		04A				
		06A				
		07A				
		08A				
↓	↓	09A	↓	↓	↓	
8/3/07	F1051	10A	[illegible]	↓	R7 80	
8/3/07	MB31526	—	↓	↓	R7 79	
↓	LCS31526	—		↓	↓	
↓	LCSD31526	—	↓	↓	↓	
↓	F0973	07ARE	↓	↓	↓	
8/3/07	↓	15ARE	[illegible]	↓	↓	
8/6/07	F1051	12A	PK	↓	↓	
↓	↓	13A	↓	↓	↓	
↓	↓	14A	↓	↓	↓	
↓	↓	15A	↓	↓	↓	
↓	F1051	16A	↓	↓	↓	
↓	F1067	07E	↓	↓	↓	
↓	↓	08E	↓	↓	↓	
↓	↓	09E	↓	↓	↓	
↓	↓	10B	↓	↓	↓	
↓	↓	22E	↓	↓	↓	
↓	F1067	23E	↓	↓	R7 79	
↓	MB31525	—	↓	↓	R7 80	
↓	LCS31525	—	↓	↓	↓	
8/6/07	F1051	17A	PK	↓	R7 80	

Logbook ID 70.0141-05/07

Reviewed By: SW 8/7/07

MITKEM CORPORATION EXTRACT TRANSFER LOGBOOK: SEMIVOLATILE ANALYSIS

Date Transferred from Prep Lab	Lab ID		Transferred By	Received By	Storage Location	Comments
8/6/07	F1063	01A	PK	BM	R7-7980	CW 8/14/07
	F1064	02B				
		02BMS				
8/6/07	F1064	02BMSD	PK		R7-80	
8/6/07	MB31527	-	PK	CW	CLP R7-49	
	MB31529	-				
	LCS31529	-				
	LCSD31529	-				
	F1061	01B				
		02B				
		05B				
		06B				
		07B				
	F1061	08B		CW		
	MB31530	-				
	LCS31530	-				
	LCSD31530	-				
8/6/07	F1025	02A	PK	CW	CLP R7-49	
8/7/07	LCS31563	1	MLi	CW	R7-Blanks	
		2				
		3				
		4				
8/7/07	LCS31563	5	MLi	CW	R7-Blanks	
8/7/07	MB31556	-	MLi	CW	CLP-R7-49	
	MB31557	-				
	LCS31557	-				
	LCSD31557	-				
	F1061	09B				
		10B				
		11B				
		12B				
	F1061	13B				
	MB31558	-				
8/7/07	LCS31558	-	MLi	CW	CLP R7-49	

Logbook ID 70.0141-05/07

Reviewed By: SW 8/16/07

MITKEM CORPORATION

* Pesticide / PCB Organics *

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTIIID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK5U	92	77	77	78			0
02	P5ULCS	91	77	75	75			0
03	P5ULCSD	102	86	84	83			0
04	RB	63	61	54	54			0
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
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19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
(TCX) = Tetrachloro-m-xylene	(30-150)
(DCB) = Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTIIID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK5K	56	56	78	76			0
02	P5KLCS	49	48	69	67			0
03	MW-BR11	44	44	50	52			0
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
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19								
20								
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23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
(TCX) = Tetrachloro-m-xylene	(30-150)
(DCB) = Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 3
WATER PESTICIDE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1025

Matrix Spike - Sample No.: P5ULCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	0.50		0.38	76	56-123
Heptachlor	0.50		0.37	74	40-131
Aldrin	0.50		0.37	74	40-120
Dieldrin	1.0		0.79	79	52-126
Endrin	1.0		0.96	96	56-121
4,4'-DDT	1.0		0.78	78	38-127

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	0.50	0.44	88	15	15	56-123
Heptachlor	0.50	0.42	84	13	20	40-131
Aldrin	0.50	0.42	84	13	22	40-120
Dieldrin	1.0	0.90	90	13	18	52-126
Endrin	1.0	1.1	110	14	21	56-121
4,4'-DDT	1.0	0.89	89	13	27	38-127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 0 out of 12 outside limits

COMMENTS: _____

_____

FORM 3
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1025

Matrix Spike - Sample No.: P5KLCS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	17		9.0	53	46-127
Heptachlor	17		9.4	55	35-130
Aldrin	17		9.3	55	34-132
Dieldrin	33		21	64	31-134
Endrin	33		26	79	42-139
4,4'-DDT	33		21	64	23-134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK5K

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Lab Sample ID: MB-31475 Lab File ID: E5D6502F

Matrix (soil/water) SOIL Extraction: (Type) SONC

Sulfur Cleanup (Y/N) Y Date Extracted: 08/01/07

Date Analyzed (1): 08/03/07 Date Analyzed (2): 08/03/07

Time Analyzed (1): 1452 Time Analyzed (2): 1452

Instrument ID (1): E5 Instrument ID (2): E5

GC Column (1): CLPPEST ID: 0.53 (mm) GC Column (2): CLPPESTII ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	P5KLCS	LCS-31475	08/03/07	08/03/07
02	MW-BR11	F1025-01A	08/03/07	08/03/07
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

4C

EPA SAMPLE NO.

PESTICIDE METHOD BLANK SUMMARY

PBLK5U

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Lab Sample ID: MB-31534 Lab File ID: E5D6652F

Matrix (soil/water) WATER Extraction:(Type) SEPF

Sulfur Cleanup (Y/N) Y Date Extracted: 08/03/07

Date Analyzed (1): 08/11/07 Date Analyzed (2): 08/11/07

Time Analyzed (1): 1342 Time Analyzed (2): 1342

Instrument ID (1): E5 Instrument ID (2): E5

GC Column (1): CLPPEST ID: 0.53 (mm) GC Column (2): CLPPESTII ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	P5ULCS	LCS-31534	08/11/07	08/11/07
02	P5ULCSD	LCSD-31534	08/11/07	08/11/07
03	RB	F1025-02A	08/11/07	08/11/07
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: _____

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-BR11

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) SOIL Lab Sample ID: F1025-01A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E5D6509F

% Moisture: 13 Decanted: (Y/N) N Date Received: 07/26/07

Extraction: (Type) SONC Date Extracted: 08/01/07

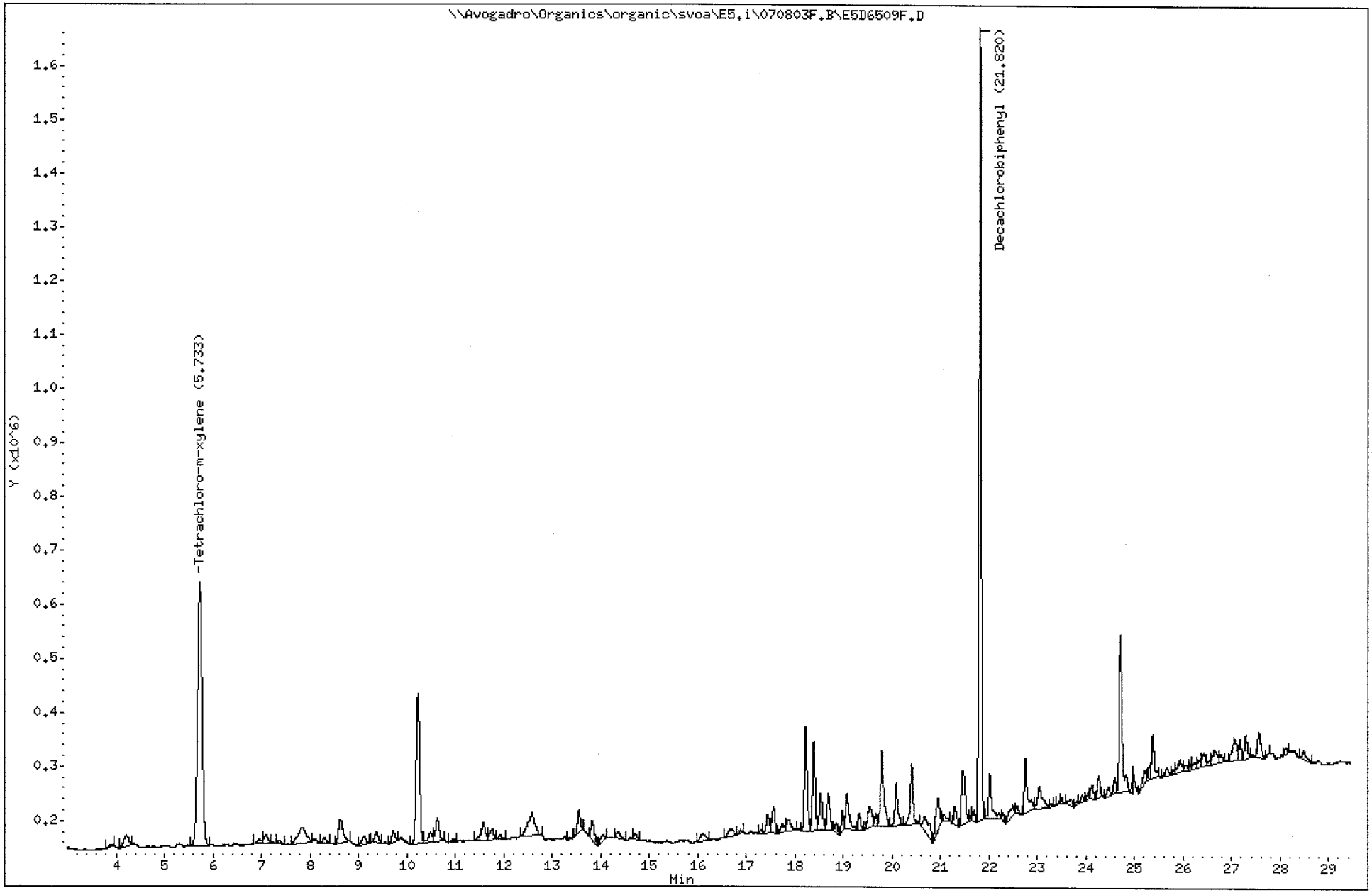
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/03/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

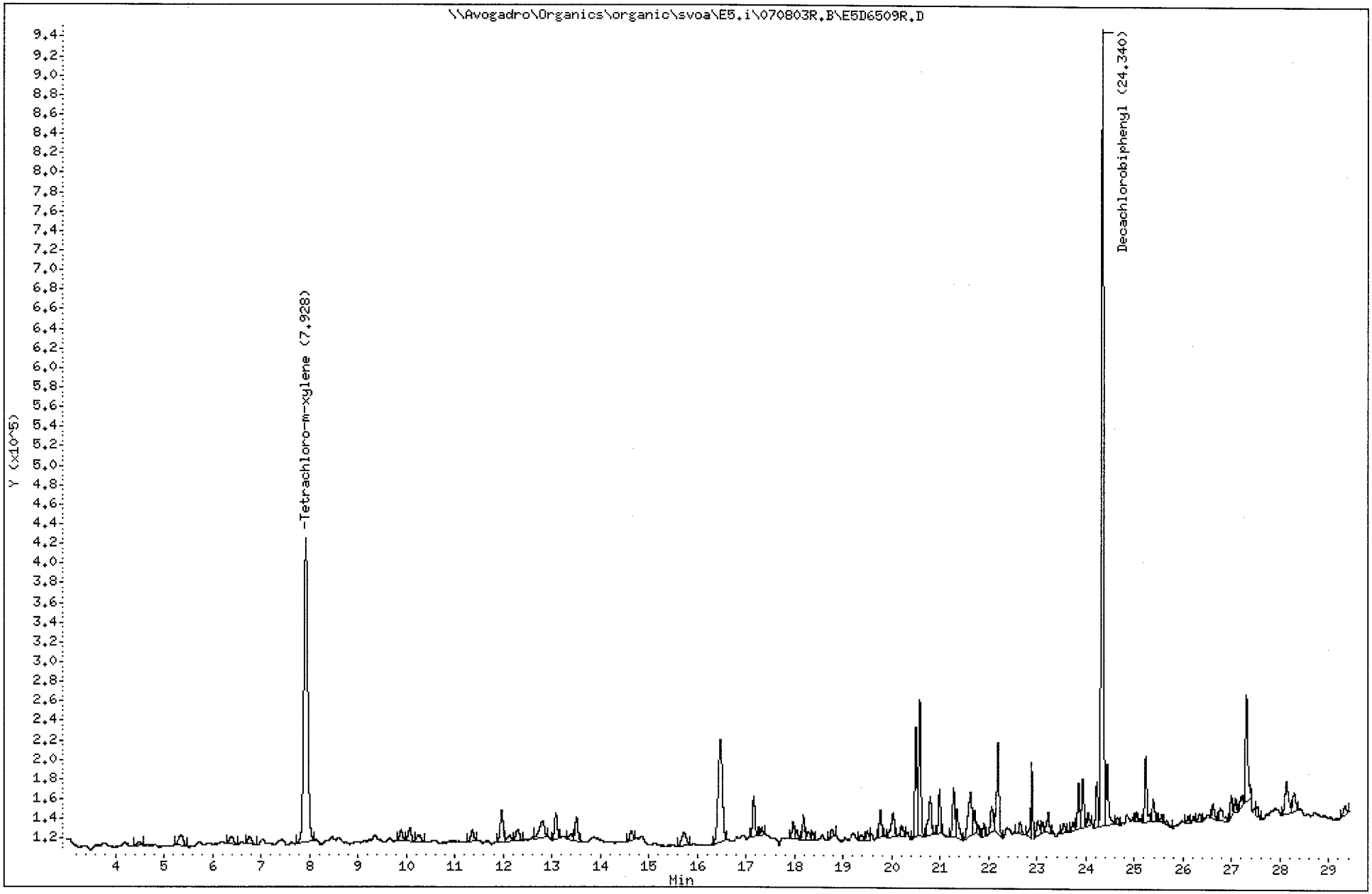
GPC Cleanup: (Y/N) Y pH: 8.0 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.8	U
7421-93-4	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	77	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	38	U

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\E5D6509F.D
Date : 03-AUG-2007 18:43
Client ID: MW-BR11
Instrument: E5.i
Sample Info: F1025-01A,,31475,clp,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: LIMS
Column phase: CLPPEST
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\E5D6509R.D
Date : 03-AUG-2007 18:43
Client ID: MW-BR11
Instrument: E5.i
Sample Info: F1025-01A,,31475,clp,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



Data File: E5D6509F.D
Report Date: 14-Aug-2007 11:17

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\E5D6509F.D
Lab Smp Id: F1025-01A Client Smp ID: MW-BR11
Inj Date : 03-AUG-2007 18:43
Operator : SZ SRC: LIMS Inst ID: E5.i
Smp Info : F1025-01A,,31475,clp.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\clp-e5f.m
Meth Date : 14-Aug-2007 11:17 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	13.000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.732	5.711	0.021	3211205	0.01763	6.8		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
21.819	21.810	0.009	4821364	0.01983	7.6		

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K

Data File: E5D6509R.D
Report Date: 14-Aug-2007 11:18

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\E5D6509R.D
Lab Smp Id: F1025-01A Client Smp ID: MW-BR11
Inj Date : 03-AUG-2007 18:43
Operator : SZ SRC: LIMS Inst ID: E5.i
Smp Info : F1025-01A,,31475,clp.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\clp-e5r.m
Meth Date : 14-Aug-2007 11:18 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	13.000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.927	7.903	0.024	1710828	0.01749	6.7		
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3		
24.339	24.329	0.010	2518884	0.02083	8.0		

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: F1025-02A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5D6657F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: 08/01/07

Extraction: (Type) SEPF Date Extracted: 08/03/07

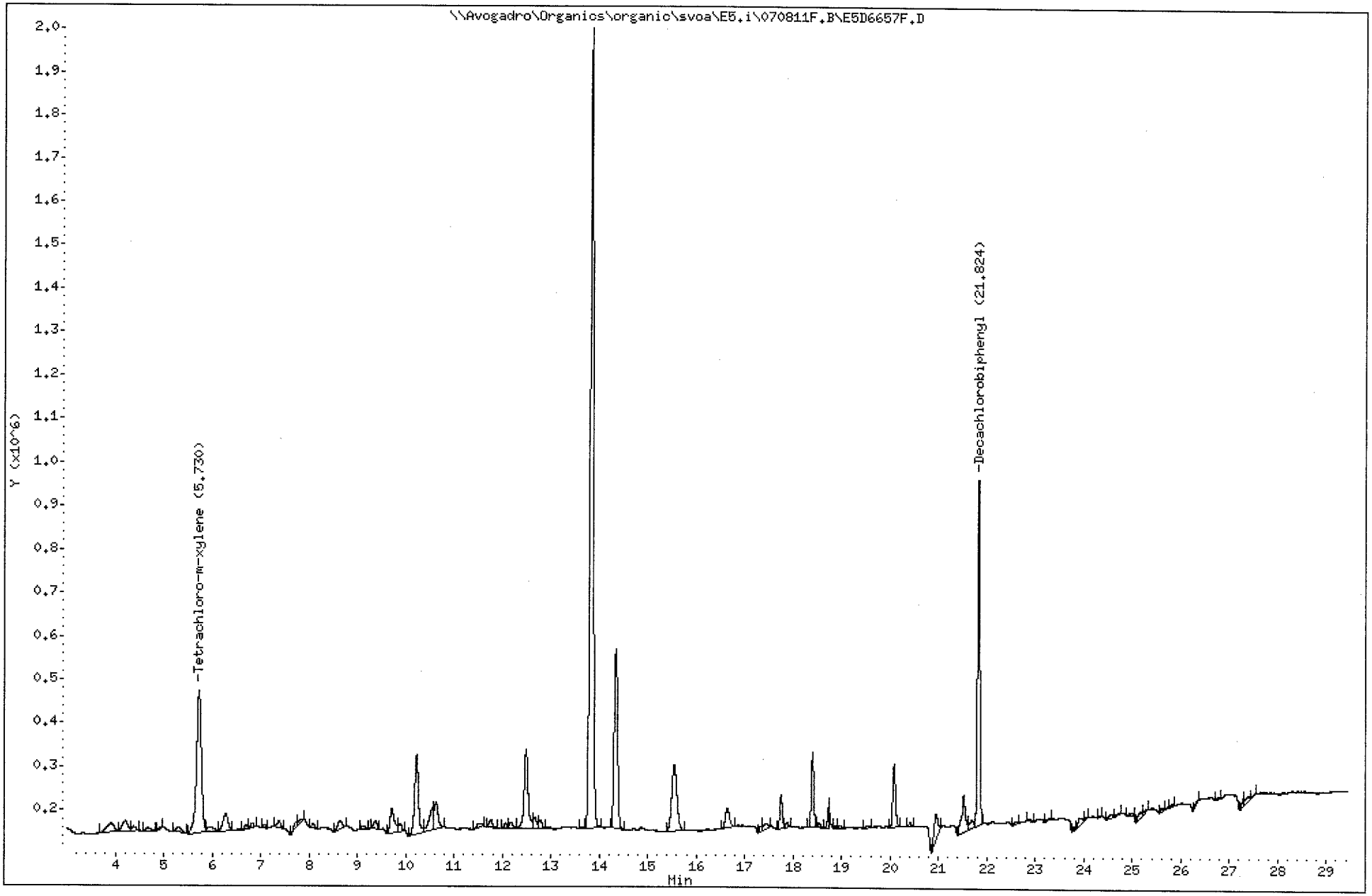
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/11/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

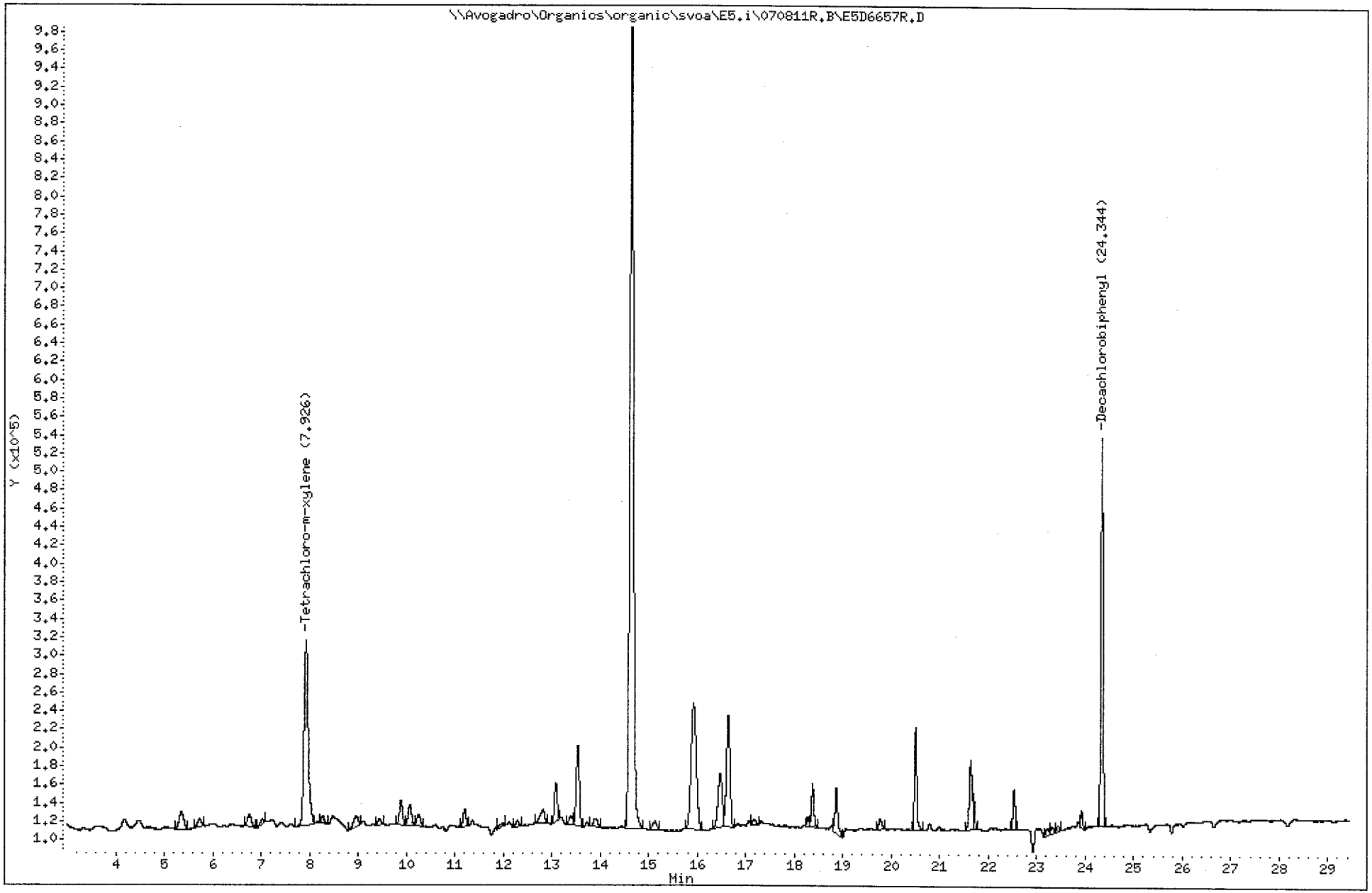
GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\E5D6657F.D
Date : 11-AUG-2007 16:27
Client ID: RB
Instrument: E5.i
Sample Info: F1025-02A,,31534,clp,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: LIMS
Column phase: CLPPEST
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\E5D6657R.D
Date : 11-AUG-2007 16:27
Client ID: RB
Instrument: E5.i
Sample Info: F1025-02A,,31534,clp,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



6329

Data File: E5D6657F.D
Report Date: 14-Aug-2007 11:25

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\E5D6657F.D
Lab Smp Id: F1025-02A Client Smp ID: RB
Inj Date : 11-AUG-2007 16:27
Operator : SZ SRC: LIMS Inst ID: E5.i
Smp Info : F1025-02A,,31534,clp.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\clp-e5f.m
Meth Date : 14-Aug-2007 11:25 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.730	5.711	0.019	2283656	0.01254	0.13		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
21.824	21.810	0.014	2605409	0.01072	0.11		

8/14/07

Data File: E5D6657R.D
Report Date: 14-Aug-2007 11:28

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\E5D6657R.D
Lab Smp Id: F1025-02A Client Smp ID: RB
Inj Date : 11-AUG-2007 16:27
Operator : SZ SRC: LIMS Inst ID: E5.i
Smp Info : F1025-02A,,31534,clp.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\clp-e5r.m
Meth Date : 14-Aug-2007 11:28 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL ng	CONCENTRATIONS FINAL ug/L		
RT	EXP RT	DLT RT	RESPONSE			TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
7.926	7.903	0.023	1185515	0.01212	0.12		
$ 3 Decachlorobiphenyl						CAS #: 2051-24-3	
24.343	24.329	0.014	1308408	0.01082	0.11		

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6E

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Instrument ID: E5 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: CLPPEST ID: 0.53 (mm) Date(s) Analyzed: 07/19/07 07/19/07

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	7.72	7.72	7.72	7.72	7.67	7.77
beta-BHC	9.20	9.20	9.19	9.20	9.15	9.25
delta-BHC	9.70	9.70	9.70	9.70	9.65	9.75
gamma-BHC (Lindane)	8.79	8.80	8.79	8.79	8.74	8.84
Heptachlor	10.30	10.30	10.29	10.30	10.25	10.35
Aldrin	11.17	11.17	11.17	11.17	11.12	11.22
Heptachlor epoxide	13.09	13.08	13.08	13.08	13.01	13.15
Endosulfan I	14.16	14.16	14.15	14.16	14.09	14.23
Dieldrin	14.99	14.99	14.98	14.99	14.92	15.06
4,4'-DDE	14.37	14.37	14.37	14.37	14.30	14.44
Endrin	15.97	15.96	15.96	15.96	15.89	16.03
Endosulfan II	16.96	16.95	16.94	16.95	16.88	17.02
4,4'-DDD	16.87	16.87	16.87	16.87	16.80	16.94
Endosulfan sulfate	18.98	18.98	18.97	18.98	18.91	19.05
4,4'-DDT	17.56	17.56	17.56	17.56	17.49	17.63
Methoxychlor	18.86	18.86	18.85	18.86	18.79	18.93
Endrin ketone	19.52	19.52	19.51	19.52	19.45	19.59
Endrin aldehyde	18.01	18.01	18.00	18.01	17.94	18.08
alpha-Chlordane	13.86	13.85	13.85	13.85	13.78	13.92
gamma-Chlordane	13.46	13.45	13.45	13.45	13.38	13.52
Tetrachloro-m-xylene	5.71	5.71	5.71	5.71	5.66	5.76
Decachlorobiphenyl	21.81	21.81	21.81	21.81	21.71	21.91

* Surrogate retention times are measured from Standard Mix A analyses.

Retention time windows are +/- 0.05 minutes for all compounds that elute before Heptachlor epoxide, +/- 0.07 minutes for all other compounds, except +/- 0.10 minutes for Decachlorobiphenyl.

6E

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Instrument ID: E5 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: CLPPESTII ID: 0.53 (mm) Date(s) Analyzed: 07/19/07 07/19/07

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	10.30	10.30	10.29	10.30	10.25	10.35
beta-BHC	11.96	11.95	11.95	11.95	11.90	12.00
delta-BHC	12.87	12.86	12.86	12.86	12.81	12.91
gamma-BHC (Lindane)	11.54	11.54	11.53	11.54	11.49	11.59
Heptachlor	12.88	12.88	12.87	12.88	12.83	12.93
Aldrin	13.83	13.83	13.83	13.83	13.78	13.88
Heptachlor epoxide	16.38	16.38	16.37	16.38	16.31	16.45
Endosulfan I	17.53	17.53	17.53	17.53	17.46	17.60
Dieldrin	18.21	18.20	18.20	18.20	18.13	18.27
4,4'-DDE	18.04	18.04	18.04	18.04	17.97	18.11
Endrin	18.89	18.89	18.88	18.89	18.82	18.96
Endosulfan II	19.40	19.40	19.40	19.40	19.33	19.47
4,4'-DDD	19.37	19.37	19.37	19.37	19.30	19.44
Endosulfan sulfate	20.77	20.77	20.76	20.77	20.70	20.84
4,4'-DDT	20.03	20.02	20.02	20.02	19.95	20.09
Methoxychlor	21.57	21.57	21.56	21.57	21.50	21.64
Endrin ketone	21.82	21.81	21.81	21.81	21.74	21.88
Endrin aldehyde	20.18	20.18	20.17	20.18	20.11	20.25
alpha-Chlordane	17.46	17.46	17.45	17.46	17.39	17.53
gamma-Chlordane	17.07	17.07	17.06	17.07	17.00	17.14
Tetrachloro-m-xylene	7.91	7.90	7.90	7.90	7.85	7.95
Decachlorobiphenyl	24.33	24.33	24.33	24.33	24.23	24.43

* Surrogate retention times are measured from Standard Mix A analyses.

Retention time windows are +/- 0.05 minutes for all compounds that elute before Heptachlor epoxide, +/- 0.07 minutes for all other compounds, except +/- 0.10 minutes for Decachlorobiphenyl.

6F

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Instrument ID: E5 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: CLPPEST ID: 0.53 (mm) Date(s) Analyzed: 07/19/07 07/19/07

COMPOUND	CALIBRATION FACTORS LOW	MID	HIGH	MEAN	%RSD
alpha-BHC	295964200	311801500	314514050	307426583	3.3
beta-BHC	115880000	114060900	103056538	110999146	6.3
delta-BHC	252948000	275738300	277787300	268824533	5.1
gamma-BHC (Lindane)	273782600	284845600	284164250	280930817	2.2
Heptachlor	288268800	293615800	288196675	290027092	1.1
Aldrin	254220000	267485600	263057125	261587575	2.6
Heptachlor epoxide	247954000	255935500	247411263	250433588	1.9
Endosulfan I	240554600	241476350	231839763	237956904	2.2
Dieldrin	245883200	260970450	257555806	254803152	3.1
4,4'-DDE	227039900	245802325	242603181	238481802	4.2
Endrin	187901200	198731925	198559944	195064356	3.2
Endosulfan II	222426900	231433800	222974975	225611892	2.2
4,4'-DDD	185834800	200168850	200903575	195635742	4.3
Endosulfan sulfate	187287100	205779200	204736431	199267577	5.2
4,4'-DDT	213938600	228851250	227855306	223548385	3.7
Methoxychlor	105106580	99033065	81495805	95211817	12.9
Endrin ketone	209133500	225593725	213374756	216033994	4.0
Endrin aldehyde	180479900	183445725	175784069	179903231	2.1
alpha-Chlordane	250631600	251647150	239916438	247398396	2.6
gamma-Chlordane	247310600	254949000	248685150	250314917	1.6
Tetrachloro-m-xylene	186993000	182098900	173206888	180766263	3.9
Decachlorobiphenyl	246697700	243141850	234471631	241437060	2.6

* Surrogate calibration factors are measured from Standard Mix A analyses.

6F

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Instrument ID: E5 Level (x low): low 1.0 mid 4.0 high 16.0

GC Column: CLPPESTII ID: 0.53 (mm) Date(s) Analyzed: 07/19/07 07/19/07

COMPOUND	CALIBRATION FACTORS LOW	MID	HIGH	MEAN	%RSD
alpha-BHC	164363800	171848250	172269463	169493838	2.6
beta-BHC	65418000	63481500	57973575	62291025	6.2
delta-BHC	146496400	156459550	157702738	153552896	4.0
gamma-BHC (Lindane)	153744400	158198850	156905650	156282967	1.5
Heptachlor	161138600	159452950	154503600	158365050	2.2
Aldrin	140527000	143149850	138292063	140656304	1.7
Heptachlor epoxide	142260000	139453350	131287513	137666954	4.1
Endosulfan I	134180200	130722600	125528738	130143846	3.3
Dieldrin	137068400	142030725	140067494	139722206	1.8
4,4'-DDE	126118200	132731575	131379319	130076365	2.7
Endrin	104514400	107654600	106724844	106297948	1.5
Endosulfan II	124099700	123164225	119447169	122237031	2.0
4,4'-DDD	108279400	110611200	109659750	109516783	1.1
Endosulfan sulfate	106696900	115811650	116648844	113052465	4.9
4,4'-DDT	112844000	117342900	116774475	115653792	2.1
Methoxychlor	56925560	55475550	48525554	53642221	8.4
Endrin ketone	112032100	119277550	114685938	115331863	3.2
Endrin aldehyde	94240800	95680675	93195931	94372469	1.3
alpha-Chlordane	134255600	132989350	127036113	131427021	2.9
gamma-Chlordane	133409200	133696350	130770788	132625446	1.2
Tetrachloro-m-xylene	101002400	97835300	91994075	96943925	4.7
Decachlorobiphenyl	125812500	120921775	122382456	123038910	2.0

* Surrogate calibration factors are measured from Standard Mix A analyses.

6G

PESTICIDE INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Instrument ID: E5 Date(s) Analyzed: 07/19/07 07/19/07

GC Column: CLPPEST ID: 0.53 (mm)

COMPOUND	AMOUNT (ng)	PEAK1	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	0.50	1	17.13	17.06	17.20	8843374
		2	17.72	17.65	17.79	7996078
		3	18.69	18.62	18.76	9715770
		4				
		5				
Aroclor-1016	0.10	1	7.17	7.10	7.24	4099870
		2	8.38	8.31	8.45	5663240
		3	9.86	9.79	9.93	13376830
		4				
		5				
Aroclor-1221	0.20	1	3.91	3.84	3.98	1029225
		2	6.52	6.45	6.59	1706805
		3	7.17	7.10	7.24	4326290
		4				
		5				
Aroclor-1232	0.10	1	6.52	6.45	6.59	1171660
		2	9.01	8.94	9.08	1845470
		3	11.54	11.47	11.61	2373590
		4				
		5				
Aroclor-1242	0.10	1	9.86	9.79	9.93	10996930
		2	10.27	10.20	10.34	4801250
		3	10.45	10.38	10.52	2930750
		4				
		5				
Aroclor-1248	0.10	1	11.54	11.47	11.61	7663830
		2	12.53	12.46	12.60	3337520
		3	13.43	13.36	13.50	5930660
		4				
		5				
Aroclor-1254	0.10	1	14.60	14.53	14.67	10059900
		2	16.92	16.85	16.99	11188140
		3	17.44	17.37	17.51	13304150
		4				
		5				
Aroclor-1260	0.10	1	18.27	18.20	18.34	8317350
		2	18.97	18.90	19.04	22794180
		3	19.56	19.49	19.63	11297550
		4				
		5				

1 At least 3 peaks for each column are required for identification of multicomponent analytes.

6G

PESTICIDE INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Instrument ID: E5 Date(s) Analyzed: 07/19/07 07/19/07

GC Column: CLPPESTII ID: 0.53 (mm)

COMPOUND	AMOUNT (ng)	PEAK1	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	0.50	1	19.59	19.52	19.66	5304800
		2	20.17	20.10	20.24	6364158
		3	21.20	21.13	21.27	6811492
		4				
		5				
Aroclor-1016	0.10	1	9.85	9.78	9.92	1769300
		2	12.69	12.62	12.76	7290800
		3	13.11	13.04	13.18	2764900
		4				
		5				
Aroclor-1221	0.20	1	6.29	6.22	6.36	652460
		2	9.15	9.08	9.22	968315
		3	9.86	9.79	9.93	2322940
		4				
		5				
Aroclor-1232	0.10	1	9.65	9.58	9.72	491400
		2	11.25	11.18	11.32	1396430
		3	17.28	17.21	17.35	1558450
		4				
		5				
Aroclor-1242	0.10	1	11.25	11.18	11.32	2677500
		2	13.11	13.04	13.18	2255210
		3	14.59	14.52	14.66	1948820
		4				
		5				
Aroclor-1248	0.10	1	15.05	14.98	15.12	3539130
		2	16.42	16.35	16.49	3888180
		3	16.59	16.52	16.66	4420800
		4				
		5				
Aroclor-1254	0.10	1	18.29	18.22	18.36	5595980
		2	18.82	18.75	18.89	7049090
		3	19.99	19.92	20.06	6622040
		4				
		5				
Aroclor-1260	0.10	1	20.80	20.73	20.87	4532700
		2	21.33	21.26	21.40	10900470
		3	22.06	21.99	22.13	8051200
		4				
		5				

1 At least 3 peaks for each column are required for identification of multicomponent analytes.

6H

PESTICIDE ANALYTE RESOLUTION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E5

EPA Sample No. (RESC##): RESCT5 Lab Sample ID (1): RESCT5

Date Analyzed (1): 07/19/07 Time Analyzed (1): 1604

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.72	100.0
02	gamma-Chlordane	13.47	100.0
03	Endosulfan I	14.18	98.8
04	4,4'-DDE	14.38	100.0
05	Dieldrin	15.01	100.0
06	Methoxychlor	18.86	90.9
07	Endosulfan sulfate	18.98	100.0
08	Endrin ketone	19.52	100.0
09	Decachlorobiphenyl	21.82	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E5

EPA Sample No. (RESC##): RESCT5 Lab Sample ID (2): RESCT5

Date Analyzed (2): 07/19/07 Time Analyzed (2): 1604

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.92	100.0
02	gamma-Chlordane	17.07	100.0
03	Endosulfan I	17.54	100.0
04	4,4'-DDE	18.04	100.0
05	Dieldrin	18.21	100.0
06	Endosulfan sulfate	20.77	100.0
07	Methoxychlor	21.57	100.0
08	Endrin ketone	21.82	100.0
09	Decachlorobiphenyl	24.34	

6I
PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E5

EPA Sample No. (PEM##): PEMT5 Lab Sample ID (1): PEMT5

Date Analyzed (1): 07/19/07 Time Analyzed (1): 1637

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.72	100.0
02	alpha-BHC	7.73	100.0
03	gamma-BHC (Lindane)	8.80	100.0
04	beta-BHC	9.21	100.0
05	Endrin	15.97	100.0
06	4,4'-DDT	17.57	100.0
07	Methoxychlor	18.86	100.0
08	Decachlorobiphenyl	21.81	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E5

EPA Sample No. (PEM##): PEMT5 Lab Sample ID (2): PEMT5

Date Analyzed (2): 07/19/07 Time Analyzed (2): 1637

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.91	100.0
02	alpha-BHC	10.30	100.0
03	gamma-BHC (Lindane)	11.54	100.0
04	beta-BHC	11.96	100.0
05	Endrin	18.89	100.0
06	4,4'-DDT	20.03	100.0
07	Methoxychlor	21.57	100.0
08	Decachlorobiphenyl	24.33	

PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E5

EPA Sample No. (PEM##): PEMTA Lab Sample ID (1): PEMTA

Date Analyzed (1): 07/20/07 Time Analyzed (1): 0053

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.71	100.0
02	alpha-BHC	7.72	100.0
03	gamma-BHC (Lindane)	8.79	100.0
04	beta-BHC	9.20	100.0
05	Endrin	15.96	100.0
06	4,4'-DDT	17.56	100.0
07	Methoxychlor	18.86	100.0
08	Decachlorobiphenyl	21.81	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E5

EPA Sample No. (PEM##): PEMTA Lab Sample ID (2): PEMTA

Date Analyzed (2): 07/20/07 Time Analyzed (2): 0053

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.91	100.0
02	alpha-BHC	10.30	100.0
03	gamma-BHC (Lindane)	11.54	100.0
04	beta-BHC	11.95	100.0
05	Endrin	18.88	100.0
06	4,4'-DDT	20.02	100.0
07	Methoxychlor	21.57	100.0
08	Decachlorobiphenyl	24.33	

PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E5

EPA Sample No. (PEM##): PEMUP Lab Sample ID (1): PEMUP

Date Analyzed (1): 08/03/07 Time Analyzed (1): 1346

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.73	100.0
02	alpha-BHC	7.74	100.0
03	gamma-BHC (Lindane)	8.82	100.0
04	beta-BHC	9.22	100.0
05	Endrin	16.00	100.0
06	4,4'-DDT	17.58	100.0
07	Methoxychlor	18.87	100.0
08	Decachlorobiphenyl	21.82	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E5

EPA Sample No. (PEM##): PEMUP Lab Sample ID (2): PEMUP

Date Analyzed (2): 08/03/07 Time Analyzed (2): 1346

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.93	100.0
02	alpha-BHC	10.32	100.0
03	gamma-BHC (Lindane)	11.56	100.0
04	beta-BHC	11.97	100.0
05	Endrin	18.90	100.0
06	4,4'-DDT	20.04	100.0
07	Methoxychlor	21.58	100.0
08	Decachlorobiphenyl	24.34	

6I
PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E5

EPA Sample No. (PEM##): PEMUU Lab Sample ID (1): PEMUU

Date Analyzed (1): 08/11/07 Time Analyzed (1): 1232

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.74	100.0
02	alpha-BHC	7.74	100.0
03	gamma-BHC (Lindane)	8.82	100.0
04	beta-BHC	9.23	100.0
05	Endrin	16.01	100.0
06	4,4'-DDT	17.58	100.0
07	Methoxychlor	18.87	100.0
08	Decachlorobiphenyl	21.83	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E5

EPA Sample No. (PEM##): PEMUU Lab Sample ID (2): PEMUU

Date Analyzed (2): 08/11/07 Time Analyzed (2): 1232

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.93	100.0
02	alpha-BHC	10.32	100.0
03	gamma-BHC (Lindane)	11.56	100.0
04	beta-BHC	11.98	100.0
05	Endrin	18.91	100.0
06	4,4'-DDT	20.04	100.0
07	Methoxychlor	21.59	100.0
08	Decachlorobiphenyl	24.35	

INDIVIDUAL STANDARD MIXTURE A

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E5

EPA Sample No. (INDAM##): INDAMT5 Lab Sample ID (1): INDAMT5

Date Analyzed (1): 07/19/07 Time Analyzed (1): 2208

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.71	100.0
02	alpha-BHC	7.72	100.0
03	gamma-BHC (Lindane)	8.80	100.0
04	Heptachlor	10.30	100.0
05	Endosulfan I	14.16	100.0
06	Dieldrin	14.99	100.0
07	Endrin	15.97	100.0
08	4,4'-DDD	16.87	100.0
09	4,4'-DDT	17.56	100.0
10	Methoxychlor	18.86	100.0
11	Decachlorobiphenyl	21.81	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E5

EPA Sample No. (INDAM##): INDAMT5 Lab Sample ID (2): INDAMT5

Date Analyzed (2): 07/19/07 Time Analyzed (2): 2208

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.90	100.0
02	alpha-BHC	10.30	100.0
03	gamma-BHC (Lindane)	11.54	100.0
04	Heptachlor	12.88	100.0
05	Endosulfan I	17.53	100.0
06	Dieldrin	18.21	100.0
07	Endrin	18.89	100.0
08	4,4'-DDD	19.37	100.0
09	4,4'-DDT	20.02	100.0
10	Methoxychlor	21.57	100.0
11	Decachlorobiphenyl	24.33	

6K
INDIVIDUAL STANDARD MIXTURE B

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column (1): CLPPEST ID: 0.53 (mm) Instrument ID (1): E5

EPA Sample No. (INDBM##): INDBMT5 Lab Sample ID (1): INDBMT5

Date Analyzed (1): 07/19/07 Time Analyzed (1): 2241

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	5.71	100.0
02	beta-BHC	9.20	100.0
03	delta-BHC	9.70	100.0
04	Aldrin	11.17	100.0
05	Heptachlor epoxide	13.08	100.0
06	gamma-Chlordane	13.45	100.0
07	alpha-Chlordane	13.85	100.0
08	4,4'-DDE	14.37	100.0
09	Endosulfan II	16.95	100.0
10	Endrin aldehyde	18.01	100.0
11	Endosulfan sulfate	18.98	100.0
12	Endrin ketone	19.52	100.0
13	Decachlorobiphenyl	21.81	

GC Column (2): CLPPESTII ID: 0.53 (mm) Instrument ID (2): E5

EPA Sample No. (INDBM##): INDBMT5 Lab Sample ID (2): INDBMT5

Date Analyzed (2): 07/19/07 Time Analyzed (2): 2241

	ANALYTE	RT	RESOLUTION (%)
01	Tetrachloro-m-xylene	7.91	100.0
02	beta-BHC	11.95	100.0
03	delta-BHC	12.86	100.0
04	Aldrin	13.83	100.0
05	Heptachlor epoxide	16.38	100.0
06	gamma-Chlordane	17.07	100.0
07	alpha-Chlordane	17.45	100.0
08	4,4'-DDE	18.04	100.0
09	Endosulfan II	19.40	100.0
10	Endrin aldehyde	20.18	100.0
11	Endosulfan sulfate	20.77	100.0
12	Endrin ketone	21.81	100.0
13	Decachlorobiphenyl	24.33	

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 07/19/07 07/19/07

EPA Sample No.(PIBLK##): _____ Date Analyzed : _____

Lab Sample ID (PIBLK) : _____ Time Analyzed : _____

EPA Sample No.(PEM##) : PEMT5 Date Analyzed : 07/19/07

Lab Sample ID (PEM) : PEMT5 Time Analyzed : 1637

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	7.73	7.67	7.77	0.009	0.010	-13.0
beta-BHC	9.21	9.15	9.25	0.009	0.010	-15.0
gamma-BHC (Lindane)	8.80	8.74	8.84	0.008	0.010	-16.0
Endrin	15.97	15.89	16.03	0.048	0.050	-4.0
4,4'-DDT	17.57	17.49	17.63	0.088	0.100	-12.0
Methoxychlor	18.86	18.79	18.93	0.216	0.250	-13.6

4,4'-DDT % Breakdown (1): 0.64 Endrin % Breakdown (1): 15.31

Combined % Breakdown (1): 15.95

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 07/19/07 07/19/07

EPA Sample No.(PIBLK##): _____ Date Analyzed : _____

Lab Sample ID (PIBLK) : _____ Time Analyzed : _____

EPA Sample No.(PEM##) : PEMT5 Date Analyzed : 07/19/07

Lab Sample ID (PEM) : PEMT5 Time Analyzed : 1637

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	10.30	10.25	10.35	0.009	0.010	-13.0
beta-BHC	11.96	11.90	12.00	0.009	0.010	-10.0
gamma-BHC (Lindane)	11.54	11.49	11.59	0.008	0.010	-16.0
Endrin	18.89	18.82	18.96	0.047	0.050	-6.0
4,4'-DDT	20.03	19.95	20.09	0.088	0.100	-12.0
Methoxychlor	21.57	21.50	21.64	0.219	0.250	-12.4

4,4'-DDT % Breakdown (1): 0.74 Endrin % Breakdown (1): 17.12

Combined % Breakdown (1): 17.86

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 07/19/07 07/19/07

EPA Sample No.(PIBLK##): PIBLKTA Date Analyzed : 07/20/07

Lab Sample ID (PIBLK) : PIBLKTA Time Analyzed : 0020

EPA Sample No.(PEM##) : PEMTA Date Analyzed : 07/20/07

Lab Sample ID (PEM) : PEMTA Time Analyzed : 0053

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	7.72	7.67	7.77	0.009	0.010	-8.0
beta-BHC	9.20	9.15	9.25	0.009	0.010	-10.0
gamma-BHC (Lindane)	8.79	8.74	8.84	0.009	0.010	-12.0
Endrin	15.96	15.89	16.03	0.052	0.050	4.0
4,4'-DDT	17.56	17.49	17.63	0.091	0.100	-9.0
Methoxychlor	18.86	18.79	18.93	0.224	0.250	-10.4

4,4'-DDT % Breakdown (1): 0.42 Endrin % Breakdown (1): 13.43

Combined % Breakdown (1): 13.85

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 07/19/07 07/19/07

EPA Sample No.(PIBLK##): PIBLKTA Date Analyzed : 07/20/07

Lab Sample ID (PIBLK) : PIBLKTA Time Analyzed : 0020

EPA Sample No.(PEM##) : PEMTA Date Analyzed : 07/20/07

Lab Sample ID (PEM) : PEMTA Time Analyzed : 0053

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	10.30	10.25	10.35	0.009	0.010	-8.0
beta-BHC	11.95	11.90	12.00	0.009	0.010	-7.0
gamma-BHC (Lindane)	11.54	11.49	11.59	0.009	0.010	-12.0
Endrin	18.88	18.82	18.96	0.050	0.050	0.0
4,4'-DDT	20.02	19.95	20.09	0.091	0.100	-9.0
Methoxychlor	21.57	21.50	21.64	0.226	0.250	-9.6

4,4'-DDT % Breakdown (1): 0.46 Endrin % Breakdown (1): 15.34

Combined % Breakdown (1): 15.80

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 07/19/07 07/19/07

EPA Sample No.(PIBLK##): PIBLKUP Date Analyzed : 08/03/07

Lab Sample ID (PIBLK) : PIBLKUP Time Analyzed : 1313

EPA Sample No.(PEM##) : PEMUP Date Analyzed : 08/03/07

Lab Sample ID (PEM) : PEMUP Time Analyzed : 1346

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	7.74	7.67	7.77	0.009	0.010	-15.0
beta-BHC	9.22	9.15	9.25	0.009	0.010	-15.0
gamma-BHC (Lindane)	8.82	8.74	8.84	0.008	0.010	-18.0
Endrin	16.00	15.89	16.03	0.050	0.050	0.0
4,4'-DDT	17.58	17.49	17.63	0.083	0.100	-17.0
Methoxychlor	18.87	18.79	18.93	0.204	0.250	-18.4

4,4'-DDT % Breakdown (1): 1.12 Endrin % Breakdown (1): 6.26

Combined % Breakdown (1): 7.38

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 07/19/07 07/19/07

EPA Sample No.(PIBLK##): PIBLKUP Date Analyzed : 08/03/07

Lab Sample ID (PIBLK) : PIBLKUP Time Analyzed : 1313

EPA Sample No.(PEM##) : PEMUP Date Analyzed : 08/03/07

Lab Sample ID (PEM) : PEMUP Time Analyzed : 1346

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	10.32	10.25	10.35	0.008	0.010	-18.0
beta-BHC	11.97	11.90	12.00	0.008	0.010	-16.0
gamma-BHC (Lindane)	11.56	11.49	11.59	0.008	0.010	-21.0
Endrin	18.90	18.82	18.96	0.048	0.050	-4.0
4,4'-DDT	20.04	19.95	20.09	0.079	0.100	-21.0
Methoxychlor	21.58	21.50	21.64	0.195	0.250	-22.0

4,4'-DDT % Breakdown (1): 1.21 Endrin % Breakdown (1): 6.62

Combined % Breakdown (1): 7.82

7E
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 07/19/07 07/19/07

EPA Sample No.(PIBLK##): PIBLKUU Date Analyzed : 08/11/07

Lab Sample ID (PIBLK) : PIBLKUU Time Analyzed : 1159

EPA Sample No.(PEM##) : PEMUU Date Analyzed : 08/11/07

Lab Sample ID (PEM) : PEMUU Time Analyzed : 1232

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	7.74	7.67	7.77	0.009	0.010	-14.0
beta-BHC	9.23	9.15	9.25	0.009	0.010	-15.0
gamma-BHC (Lindane)	8.82	8.74	8.84	0.008	0.010	-18.0
Endrin	16.01	15.89	16.03	0.048	0.050	-4.0
4,4'-DDT	17.58	17.49	17.63	0.081	0.100	-19.0
Methoxychlor	18.87	18.79	18.93	0.200	0.250	-20.0

4,4'-DDT % Breakdown (1): 1.73 Endrin % Breakdown (1): 10.60

Combined % Breakdown (1): 12.33

7E

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 07/19/07 07/19/07

EPA Sample No.(PIBLK##): PIBLKUU Date Analyzed : 08/11/07

Lab Sample ID (PIBLK) : PIBLKUU Time Analyzed : 1159

EPA Sample No.(PEM##) : PEMUU Date Analyzed : 08/11/07

Lab Sample ID (PEM) : PEMUU Time Analyzed : 1232

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	10.32	10.25	10.35	0.008	0.010	-17.0
beta-BHC	11.98	11.90	12.00	0.009	0.010	-15.0
gamma-BHC (Lindane)	11.56	11.49	11.59	0.008	0.010	-20.0
Endrin	18.91	18.82	18.96	0.046	0.050	-8.0
4,4'-DDT	20.04	19.95	20.09	0.078	0.100	-22.0
Methoxychlor	21.59	21.50	21.64	0.192	0.250	-23.2

4,4'-DDT % Breakdown (1): 1.78 Endrin % Breakdown (1): 11.39

Combined % Breakdown (1): 13.17

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 07/19/07 07/19/07

EPA Sample No.(PIBLK##): PIBLKUQ Date Analyzed : 08/03/07

Lab Sample ID (PIBLK) : PIBLKUQ Time Analyzed : 1950

EPA Sample No.(INDAM##) : INDAMUQ Date Analyzed : 08/03/07

Lab Sample ID (INDAM) : INDAMUQ Time Analyzed : 2023

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	7.74	7.67	7.77	0.018	0.020	-10.0
gamma-BHC (Lindane)	8.81	8.74	8.84	0.018	0.020	-10.0
Heptachlor	10.32	10.25	10.35	0.018	0.020	-10.0
Endosulfan I	14.18	14.09	14.23	0.018	0.020	-10.0
Dieldrin	15.01	14.92	15.06	0.036	0.040	-10.0
Endrin	16.00	15.89	16.03	0.040	0.040	0.0
4,4'-DDD	16.89	16.80	16.94	0.037	0.040	-7.5
4,4'-DDT	17.58	17.49	17.63	0.036	0.040	-10.0
Methoxychlor	18.87	18.79	18.93	0.181	0.200	-9.5
Tetrachloro-m-xylene	5.74	5.66	5.76	0.018	0.020	-10.0
Decachlorobiphenyl	21.82	21.71	21.91	0.035	0.040	-12.5

EPA Sample No.(INDBM##) : INDBMUQ Date Analyzed : 08/03/07

Lab Sample ID (INDBM) : INDBMUQ Time Analyzed : 2056

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	9.22	9.15	9.25	0.023	0.020	15.0
delta-BHC	9.72	9.65	9.75	0.024	0.020	20.0
Aldrin	11.19	11.12	11.22	0.018	0.020	-10.0
Heptachlor epoxide	13.10	13.01	13.15	0.018	0.020	-10.0
4,4'-DDE	14.39	14.30	14.44	0.036	0.040	-10.0
Endosulfan II	16.97	16.88	17.02	0.037	0.040	-7.5
Endosulfan sulfate	18.99	18.91	19.05	0.039	0.040	-2.5
Endrin ketone	19.53	19.45	19.59	0.038	0.040	-5.0
Endrin aldehyde	18.02	17.94	18.08	0.036	0.040	-10.0
alpha-Chlordane	13.87	13.78	13.92	0.018	0.020	-10.0
gamma-Chlordane	13.48	13.38	13.52	0.018	0.020	-10.0
Tetrachloro-m-xylene	5.73	5.66	5.76	0.023	0.020	15.0
Decachlorobiphenyl	21.82	21.71	21.91	0.036	0.040	-10.0

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 07/19/07 07/19/07

EPA Sample No.(PIBLK##): PIBLKUQ Date Analyzed : 08/03/07

Lab Sample ID (PIBLK) : PIBLKUQ Time Analyzed : 1950

EPA Sample No.(INDAM##) : INDAMUQ Date Analyzed : 08/03/07

Lab Sample ID (INDAM) : INDAMUQ Time Analyzed : 2023

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	10.32	10.25	10.35	0.018	0.020	-10.0
gamma-BHC (Lindane)	11.56	11.49	11.59	0.018	0.020	-10.0
Heptachlor	12.90	12.83	12.93	0.017	0.020	-15.0
Endosulfan I	17.55	17.46	17.60	0.017	0.020	-15.0
Dieldrin	18.22	18.13	18.27	0.035	0.040	-12.5
Endrin	18.90	18.82	18.96	0.039	0.040	-2.5
4,4'-DDD	19.38	19.30	19.44	0.035	0.040	-12.5
4,4'-DDT	20.04	19.95	20.09	0.035	0.040	-12.5
Methoxychlor	21.58	21.50	21.64	0.173	0.200	-13.5
Tetrachloro-m-xylene	7.93	7.85	7.95	0.018	0.020	-10.0
Decachlorobiphenyl	24.34	24.23	24.43	0.034	0.040	-15.0

EPA Sample No.(INDBM##) : INDBMUQ Date Analyzed : 08/03/07

Lab Sample ID (INDBM) : INDBMUQ Time Analyzed : 2056

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	11.98	11.90	12.00	0.018	0.020	-10.0
delta-BHC	12.89	12.81	12.91	0.018	0.020	-10.0
Aldrin	13.85	13.78	13.88	0.018	0.020	-10.0
Heptachlor epoxide	16.41	16.31	16.45	0.018	0.020	-10.0
4,4'-DDE	18.06	17.97	18.11	0.035	0.040	-12.5
Endosulfan II	19.42	19.33	19.47	0.035	0.040	-12.5
Endosulfan sulfate	20.78	20.70	20.84	0.037	0.040	-7.5
Endrin ketone	21.83	21.74	21.88	0.037	0.040	-7.5
Endrin aldehyde	20.19	20.11	20.25	0.035	0.040	-12.5
alpha-Chlordane	17.47	17.39	17.53	0.018	0.020	-10.0
gamma-Chlordane	17.09	17.00	17.14	0.018	0.020	-10.0
Tetrachloro-m-xylene	7.93	7.85	7.95	0.018	0.020	-10.0
Decachlorobiphenyl	24.34	24.23	24.43	0.035	0.040	-12.5

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 07/19/07 07/19/07

EPA Sample No.(PIBLK##): PIBLKUV Date Analyzed : 08/11/07

Lab Sample ID (PIBLK) : PIBLKUV Time Analyzed : 2019

EPA Sample No.(INDAM##) : INDAMUV Date Analyzed : 08/11/07

Lab Sample ID (INDAM) : INDAMUV Time Analyzed : 2052

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	7.74	7.67	7.77	0.018	0.020	-10.0
gamma-BHC (Lindane)	8.82	8.74	8.84	0.018	0.020	-10.0
Heptachlor	10.32	10.25	10.35	0.018	0.020	-10.0
Endosulfan I	14.18	14.09	14.23	0.018	0.020	-10.0
Dieldrin	15.01	14.92	15.06	0.035	0.040	-12.5
Endrin	16.00	15.89	16.03	0.038	0.040	-5.0
4,4'-DDD	16.89	16.80	16.94	0.038	0.040	-5.0
4,4'-DDT	17.58	17.49	17.63	0.035	0.040	-12.5
Methoxychlor	18.87	18.79	18.93	0.176	0.200	-12.0
Tetrachloro-m-xylene	5.74	5.66	5.76	0.018	0.020	-10.0
Decachlorobiphenyl	21.83	21.71	21.91	0.036	0.040	-10.0

EPA Sample No.(INDBM##) : INDBMUV Date Analyzed : 08/11/07

Lab Sample ID (INDBM) : INDBMUV Time Analyzed : 2125

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	9.23	9.15	9.25	0.018	0.020	-10.0
delta-BHC	9.73	9.65	9.75	0.018	0.020	-10.0
Aldrin	11.20	11.12	11.22	0.018	0.020	-10.0
Heptachlor epoxide	13.11	13.01	13.15	0.018	0.020	-10.0
4,4'-DDE	14.39	14.30	14.44	0.035	0.040	-12.5
Endosulfan II	16.97	16.88	17.02	0.036	0.040	-10.0
Endosulfan sulfate	18.99	18.91	19.05	0.038	0.040	-5.0
Endrin ketone	19.53	19.45	19.59	0.038	0.040	-5.0
Endrin aldehyde	18.03	17.94	18.08	0.035	0.040	-12.5
alpha-Chlordane	13.88	13.78	13.92	0.018	0.020	-10.0
gamma-Chlordane	13.48	13.38	13.52	0.018	0.020	-10.0
Tetrachloro-m-xylene	5.74	5.66	5.76	0.018	0.020	-10.0
Decachlorobiphenyl	21.82	21.71	21.91	0.036	0.040	-10.0

7F

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 07/19/07 07/19/07

EPA Sample No.(PIBLK##): PIBLKUV Date Analyzed : 08/11/07

Lab Sample ID (PIBLK) : PIBLKUV Time Analyzed : 2019

EPA Sample No.(INDAM##) : INDAMUV Date Analyzed : 08/11/07

Lab Sample ID (INDAM) : INDAMUV Time Analyzed : 2052

INDIVIDUAL MIX A COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
alpha-BHC	10.32	10.25	10.35	0.018	0.020	-10.0
gamma-BHC (Lindane)	11.56	11.49	11.59	0.018	0.020	-10.0
Heptachlor	12.90	12.83	12.93	0.017	0.020	-15.0
Endosulfan I	17.55	17.46	17.60	0.018	0.020	-10.0
Dieldrin	18.22	18.13	18.27	0.035	0.040	-12.5
Endrin	18.90	18.82	18.96	0.037	0.040	-7.5
4,4'-DDD	19.39	19.30	19.44	0.035	0.040	-12.5
4,4'-DDT	20.04	19.95	20.09	0.034	0.040	-15.0
Methoxychlor	21.58	21.50	21.64	0.171	0.200	-14.5
Tetrachloro-m-xylene	7.93	7.85	7.95	0.018	0.020	-10.0
Decachlorobiphenyl	24.35	24.23	24.43	0.035	0.040	-12.5

EPA Sample No.(INDBM##) : INDBMUV Date Analyzed : 08/11/07

Lab Sample ID (INDBM) : INDBMUV Time Analyzed : 2125

INDIVIDUAL MIX B COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
beta-BHC	11.98	11.90	12.00	0.018	0.020	-10.0
delta-BHC	12.89	12.81	12.91	0.018	0.020	-10.0
Aldrin	13.85	13.78	13.88	0.017	0.020	-15.0
Heptachlor epoxide	16.42	16.31	16.45	0.018	0.020	-10.0
4,4'-DDE	18.06	17.97	18.11	0.035	0.040	-12.5
Endosulfan II	19.42	19.33	19.47	0.035	0.040	-12.5
Endosulfan sulfate	20.79	20.70	20.84	0.037	0.040	-7.5
Endrin ketone	21.83	21.74	21.88	0.037	0.040	-7.5
Endrin aldehyde	20.20	20.11	20.25	0.034	0.040	-15.0
alpha-Chlordane	17.48	17.39	17.53	0.018	0.020	-10.0
gamma-Chlordane	17.09	17.00	17.14	0.018	0.020	-10.0
Tetrachloro-m-xylene	7.94	7.85	7.95	0.017	0.020	-15.0
Decachlorobiphenyl	24.34	24.23	24.43	0.035	0.040	-12.5

8D

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 07/19/07 07/19/07

Instrument ID: E5

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.71 DCB: 21.81

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	RESCT5	RESCT5	07/19/07	1604	5.72	21.82
02	PEMT5	PEMT5	07/19/07	1637	5.72	21.81
03	AR1660T5	AR1660T5	07/19/07	1710	5.71	21.81
04	AR1221T5	AR1221T5	07/19/07	1743	5.72	21.81
05	AR1232T5	AR1232T5	07/19/07	1816	5.72	21.81
06	AR1242T5	AR1242T5	07/19/07	1849	5.71	21.81
07	AR1248T5	AR1248T5	07/19/07	1922	5.72	21.81
08	AR1254T5	AR1254T5	07/19/07	1955	5.71	21.81
09	TOXAPHT5	TOXAPHT5	07/19/07	2028	5.71	21.81
10	INDALT5	INDALT5	07/19/07	2101	5.71	21.81
11	INDBLT5	INDBLT5	07/19/07	2134	5.72	21.81
12	INDAMT5	INDAMT5	07/19/07	2208	5.71	21.81
13	INDBMT5	INDBMT5	07/19/07	2241	5.71	21.81
14	INDAHT5	INDAHT5	07/19/07	2314	5.71	21.81
15	INDBHT5	INDBHT5	07/19/07	2347	5.71	21.81
16	PIBLKTA	PIBLKTA	07/20/07	0020	5.71	21.81
17	PEMTA	PEMTA	07/20/07	0053	5.71	21.81
18	PIBLKUP	PIBLKUP	08/03/07	1313	5.74	21.82
19	PEMUP	PEMUP	08/03/07	1346	5.73	21.82
20	PBLK5K	MB-31475	08/03/07	1452	5.73	21.82
21	P5KLCS	LCS-31475	08/03/07	1525	5.74	21.82
22	MW-BR11	F1025-01A	08/03/07	1843	5.73	21.82
23	PIBLKUQ	PIBLKUQ	08/03/07	1950	5.73	21.82
24	INDAMUQ	INDAMUQ	08/03/07	2023	5.74	21.82
25	INDBMUQ	INDBMUQ	08/03/07	2056	5.73	21.82
26	PIBLKUU	PIBLKUU	08/11/07	1159	5.73	21.83
27	PEMUU	PEMUU	08/11/07	1232	5.74	21.83
28	PBLK5U	MB-31534	08/11/07	1342	5.75	21.83
29	P5ULCS	LCS-31534	08/11/07	1415	5.73	21.82
30	P5ULCSD	LCSD-31534	08/11/07	1448	5.74	21.82
31	RB	F1025-02A	08/11/07	1627	5.73	21.82
32	PIBLKUV	PIBLKUV	08/11/07	2019	5.74	21.83

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 07/19/07 07/19/07

Instrument ID: E5

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.71 DCB: 21.81

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	INDAMUV	INDAMUV	08/11/07	2052	5.74	21.83
02	INDBMUV	INDBMUV	08/11/07	2125	5.74	21.82
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
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26						
27						
28						
29						
30						
31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 07/19/07 07/19/07

Instrument ID: E5

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 7.90 DCB: 24.33

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	RESCT5	RESCT5	07/19/07	1604	7.92	24.34
02	PEMT5	PEMT5	07/19/07	1637	7.91	24.33
03	AR1660T5	AR1660T5	07/19/07	1710	7.90	24.33
04	AR1221T5	AR1221T5	07/19/07	1743	7.91	24.33
05	AR1232T5	AR1232T5	07/19/07	1816	7.91	24.33
06	AR1242T5	AR1242T5	07/19/07	1849	7.91	24.33
07	AR1248T5	AR1248T5	07/19/07	1922	7.91	24.33
08	AR1254T5	AR1254T5	07/19/07	1955	7.90	24.33
09	TOXAPHT5	TOXAPHT5	07/19/07	2028	7.91	24.33
10	INDALT5	INDALT5	07/19/07	2101	7.91	24.33
11	INDBLT5	INDBLT5	07/19/07	2134	7.91	24.33
12	INDAMT5	INDAMT5	07/19/07	2208	7.90	24.33
13	INDBMT5	INDBMT5	07/19/07	2241	7.91	24.33
14	INDAHT5	INDAHT5	07/19/07	2314	7.90	24.33
15	INDBHT5	INDBHT5	07/19/07	2347	7.90	24.33
16	PIBLKTA	PIBLKTA	07/20/07	0020	7.90	24.33
17	PEMTA	PEMTA	07/20/07	0053	7.91	24.33
18	PIBLKUP	PIBLKUP	08/03/07	1313	7.93	24.34
19	PEMUP	PEMUP	08/03/07	1346	7.93	24.34
20	PBLK5K	MB-31475	08/03/07	1452	7.93	24.34
21	P5KLCS	LCS-31475	08/03/07	1525	7.93	24.34
22	MW-BR11	F1025-01A	08/03/07	1843	7.93	24.34
23	PIBLKUQ	PIBLKUQ	08/03/07	1950	7.93	24.34
24	INDAMUQ	INDAMUQ	08/03/07	2023	7.93	24.34
25	INDBMUQ	INDBMUQ	08/03/07	2056	7.93	24.34
26	PIBLKUU	PIBLKUU	08/11/07	1159	7.93	24.34
27	PEMUU	PEMUU	08/11/07	1232	7.93	24.35
28	PBLK5U	MB-31534	08/11/07	1342	7.92	24.35
29	P5ULCS	LCS-31534	08/11/07	1415	7.93	24.34
30	P5ULCSD	LCSD-31534	08/11/07	1448	7.93	24.34
31	RB	F1025-02A	08/11/07	1627	7.93	24.34
32	PIBLKUV	PIBLKUV	08/11/07	2019	7.93	24.35

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GC Column: CLPPESTII ID: 0.53 (mm) Init. Calib. Date(s): 07/19/07 07/19/07

Instrument ID: E5

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 7.90 DCB: 24.33

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	INDAMUV	INDAMUV	08/11/07	2052	7.93	24.35
02	INDBMUV	INDBMUV	08/11/07	2125	7.94	24.34
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

9A
PESTICIDE FLORISIL CARTRIDGE CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Florisil Cartridge Lot Number: FLOSP3020 Date of Analysis: 06/22/07

GC Column (1): CLPPEST ID: 0.53 (mm) GC Column (2): CLPPESTII ID: 0.53 (mm)

COMPOUND	SPIKE ADDED (ng)	SPIKE RECOVERED (ng)	% REC	#	QC LIMITS
alpha-BHC	0.010	0.0087	87		80-120
gamma-BHC (Lindane)	0.010	0.0087	87		80-120
Heptachlor	0.010	0.0089	89		80-120
Endosulfan I	0.010	0.0092	92		80-120
Dieldrin	0.020	0.018	89		80-120
Endrin	0.020	0.016	80		80-120
4,4'-DDD	0.020	0.018	90		80-120
4,4'-DDT	0.020	0.016	82		80-120
Methoxychlor	0.10	0.093	93		80-120
Tetrachloro-m-xylene	0.010	0.0095	95		80-120
Decachlorobiphenyl	0.020	0.02	100		80-120
2,4,5-Trichlorophenol	0.050	0	0		<5

Column to be used to flag recovery with an asterisk.
* Values outside of QC limits.

THIS CARTRIDGE LOT APPLIES TO THE FOLLOWING SAMPLES, BLANKS, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PBLK5K	MB-31475	08/03/07	08/03/07
02	P5KLCS	LCS-31475	08/03/07	08/03/07
03	MW-BR11	F1025-01A	08/03/07	08/03/07
04	PBLK5U	MB-31534	08/11/07	08/11/07
05	P5ULCS	LCS-31534	08/11/07	08/11/07
06	P5ULCSD	LCSD-31534	08/11/07	08/11/07
07	RB	F1025-02A	08/11/07	08/11/07
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

9B

PESTICIDE GPC CALIBRATION VERIFICATION

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

GPC Column: S-X3 Calibration Verification Date: 08/04/07

GC Column (1): CLPPEST ID: 0.53 (mm) GC Column (2): CLPPESTII ID: 0.53 (mm)

COMPOUND	SPIKE ADDED (ng)	SPIKE RECOVERED (ng)	% REC #	QC LIMITS
gamma-BHC (Lindane)	0.050	0.04	80	80-110
Heptachlor	0.050	0.042	84	80-110
Aldrin	0.050	0.041	82	80-110
Dieldrin	0.10	0.084	84	80-110
Endrin	0.10	0.11	105	80-110
4,4'-DDT	0.10	0.082	82	80-110

Column to be used to flag recovery with an asterisk.
* Values outside of QC limits.

THIS GPC CALIBRATION VERIFICATION APPLIES TO THE FOLLOWING SAMPLES, BLANKS, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PBLK5K	MB-31475	08/03/07	08/03/07
02	P5KLCS	LCS-31475	08/03/07	08/03/07
03	MW-BR11	F1025-01A	08/03/07	08/03/07
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

10A

EPA SAMPLE NO.

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

P5KLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Lab Sample ID: LCS-31475 Date(s) Analyzed: 08/03/07 08/03/07

Instrument ID (1): E5 Instrument ID (2): E5

GC Column(1): CLPPEST ID: 0.53(mm) GC Column(2): CLPPESTII ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	8.82	8.74	8.84	9.9	
	2	11.56	11.49	11.59	9.0	10.0
Heptachlor	1	10.32	10.25	10.35	9.8	
	2	12.90	12.83	12.93	9.4	4.3
Aldrin	1	11.19	11.12	11.22	9.6	
	2	13.85	13.78	13.88	9.3	3.2
Dieldrin	1	15.00	14.92	15.06	22	
	2	18.22	18.13	18.27	21	4.8
Endrin	1	16.00	15.89	16.03	27	
	2	18.90	18.82	18.96	26	3.8
4,4'-DDT	1	17.57	17.49	17.63	21	
	2	20.04	19.95	20.09	22	4.8
	1					
	2					
	1					
	2					

10A

EPA SAMPLE NO.

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

P5ULCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Lab Sample ID: LCS-31534 Date(s) Analyzed: 08/11/07 08/11/07

Instrument ID (1): E5 Instrument ID (2): E5

GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTII ID: 0.53 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	8.82	8.74	8.84	0.39	
	2	11.57	11.49	11.59	0.38	2.6
Heptachlor	1	10.33	10.25	10.35	0.41	
	2	12.90	12.83	12.93	0.37	10.8
Aldrin	1	11.20	11.12	11.22	0.38	
	2	13.86	13.78	13.88	0.37	2.7
Dieldrin	1	15.02	14.92	15.06	0.79	
	2	18.23	18.13	18.27	0.79	0.0
Endrin	1	16.01	15.89	16.03	0.99	
	2	18.90	18.82	18.96	0.96	3.1
4,4'-DDT	1	17.58	17.49	17.63	0.78	
	2	20.04	19.95	20.09	0.78	0.0
	1					
	2					
	1					
	2					

10A

EPA SAMPLE NO.

PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

P5ULCSD

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1025

Lab Sample ID: LCSD-31534 Date(s) Analyzed: 08/11/07 08/11/07

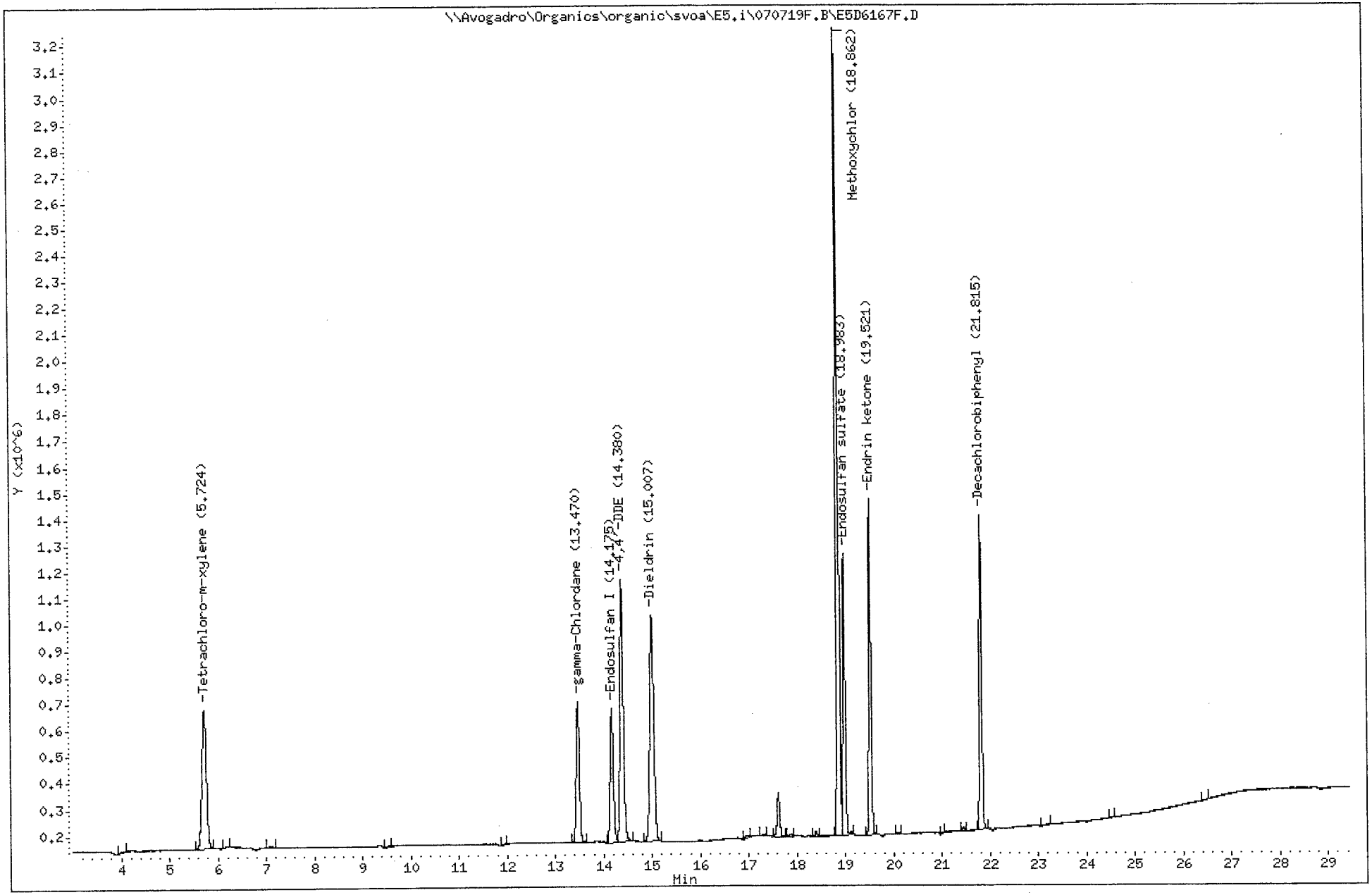
Instrument ID (1): E5 Instrument ID (2): E5

GC Column(1): CLPPEST ID: 0.53 (mm) GC Column(2): CLPPESTII ID: 0.53 (mm)

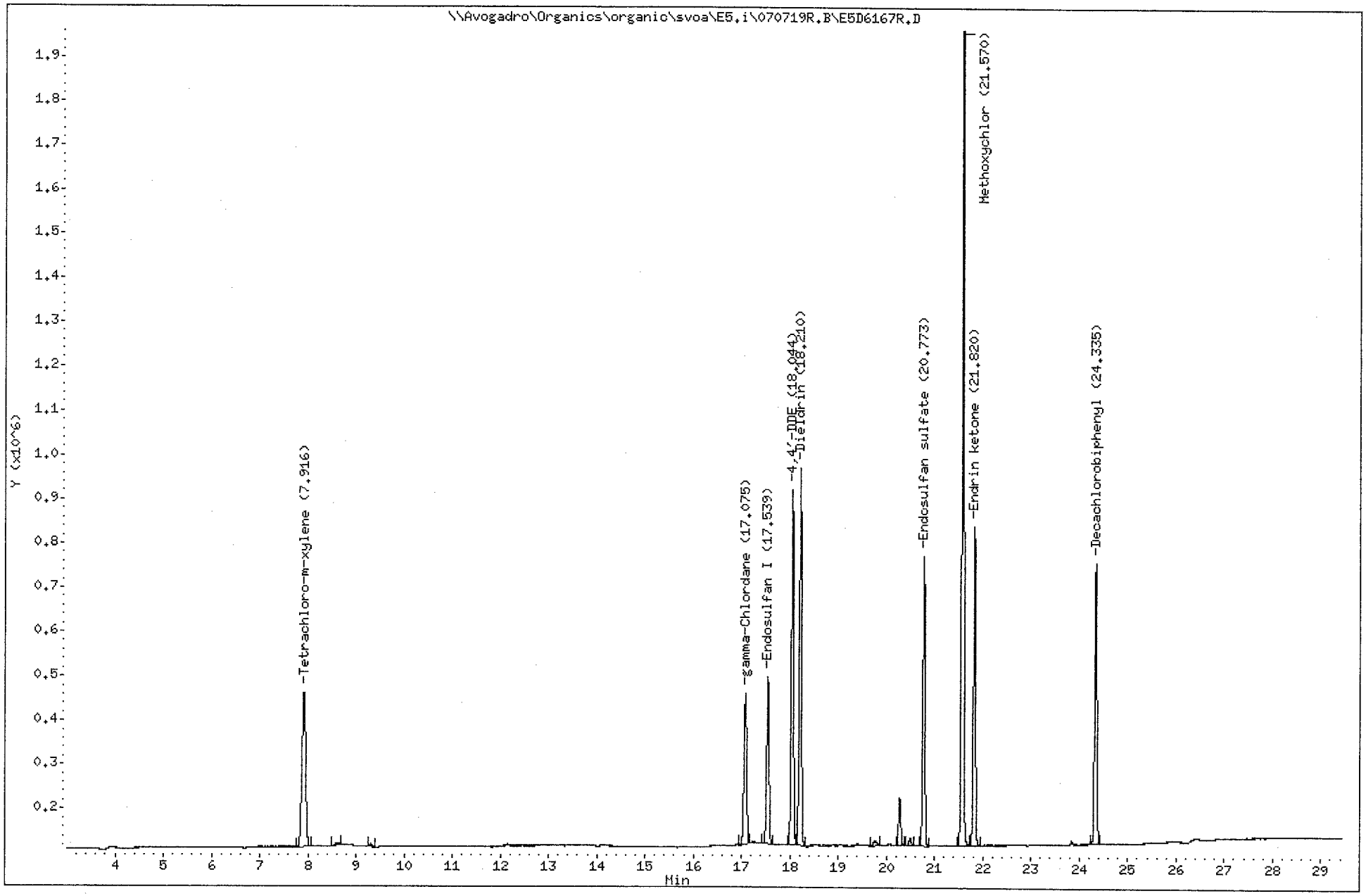
ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
gamma-BHC (Lindane)	1	8.82	8.74	8.84	0.45	
	2	11.56	11.49	11.59	0.44	2.3
Heptachlor	1	10.32	10.25	10.35	0.47	
	2	12.90	12.83	12.93	0.42	11.9
Aldrin	1	11.20	11.12	11.22	0.44	
	2	13.86	13.78	13.88	0.42	4.8
Dieldrin	1	15.02	14.92	15.06	0.92	
	2	18.23	18.13	18.27	0.90	2.2
Endrin	1	16.01	15.89	16.03	1.1	
	2	18.90	18.82	18.96	1.1	0.0
4,4'-DDT	1	17.58	17.49	17.63	0.90	
	2	20.04	19.95	20.09	0.89	1.1
	1					
	2					
	1					
	2					

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6167F.D
Date : 19-JUL-2007 16:04
Client ID: RESCT5
Sample Info: RESCT5,RESCT5,,reso,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPEST

Instrument: E5.i
Operator: SZ SRC: SZ
Column diameter: 0.53

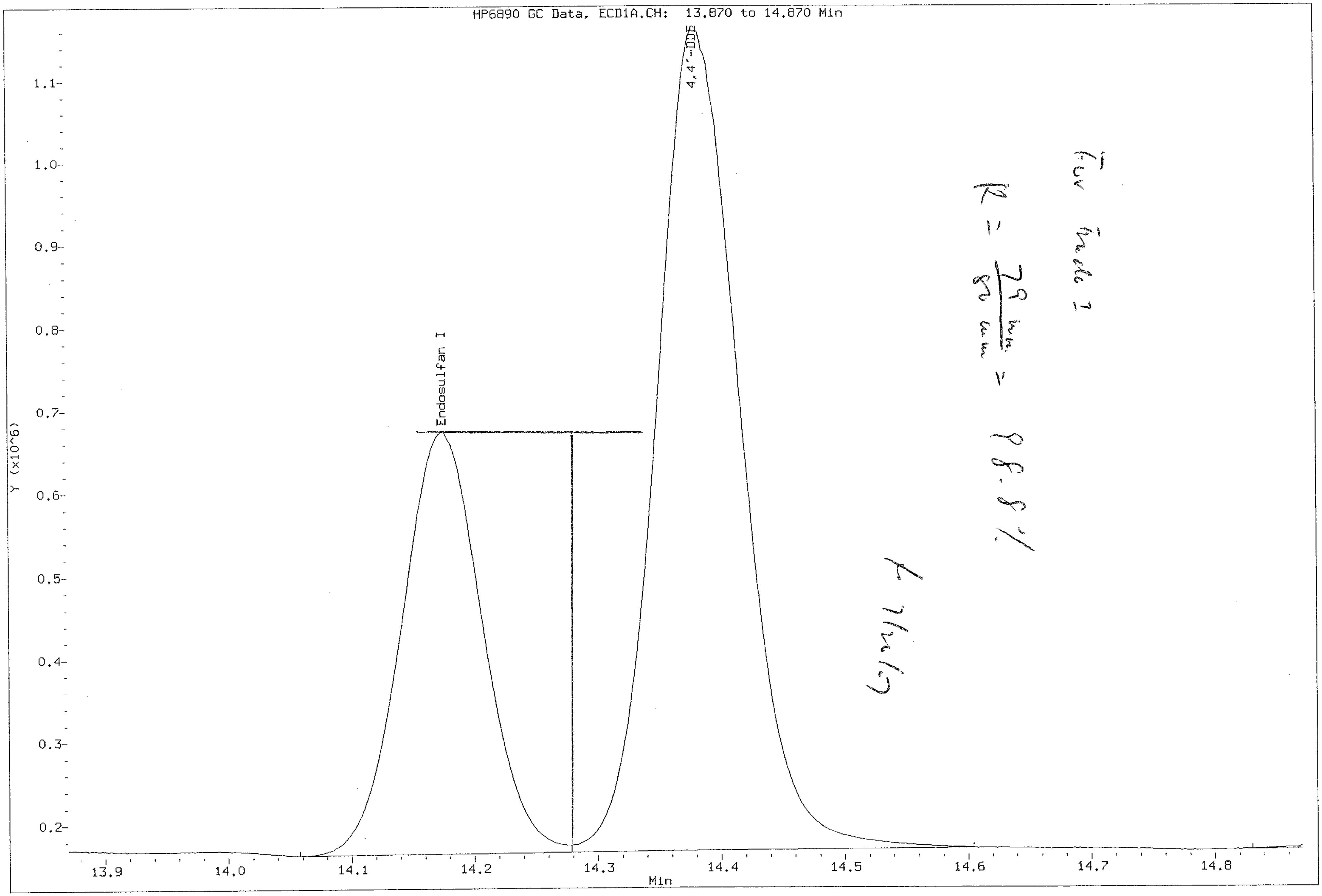


Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6167R.D
Date : 19-JUL-2007 16:04
Client ID: RESCT5
Instrument: E5.i
Sample Info: RESCT5,RESCT5,,resc.sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPESTII
Column diameter: 0.53

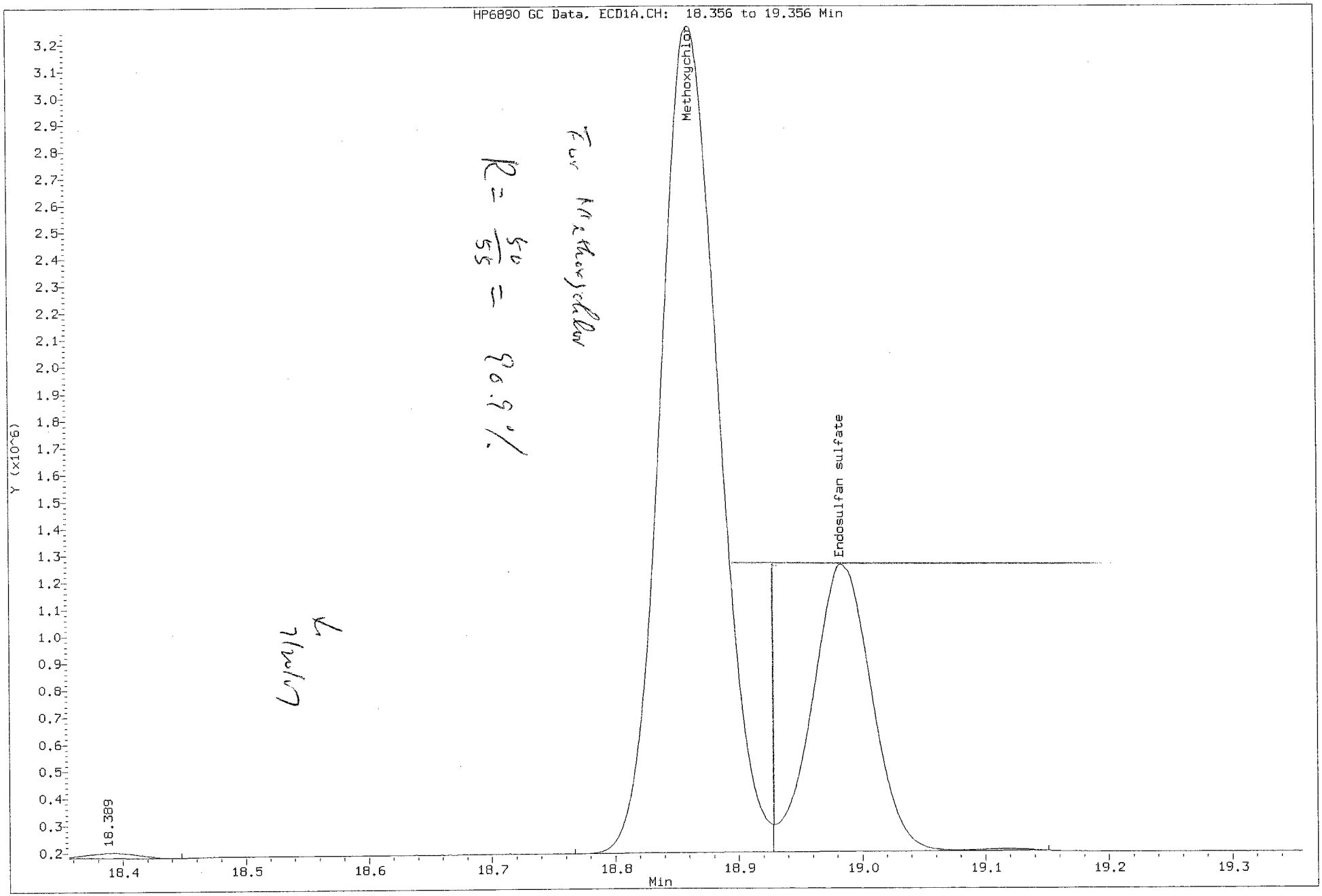


1259

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6167F.D
Injection Date: 19-JUL-2007 16:04
Instrument: E5.i
Client Sample ID: RESCT5



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6167F.D
Injection Date: 19-JUL-2007 16:04
Instrument: E5.i
Client Sample ID: RESCT5



6239

Data File: E5D6167F.D
Report Date: 20-Jul-2007 10:04

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6167F.D
Lab Smp Id: RESCT5 Client Smp ID: RESCT5
Inj Date : 19-JUL-2007 16:04
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : RESCT5,RESCT5,,resc.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\clp-e5f.m
Meth Date : 20-Jul-2007 09:53 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 1 QC Sample: RESOLUTION
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: resc.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
11 gamma-Chlordane					CAS #: 5103-74-2		
13.470	13.454	0.016	2420928	0.00950	0.095		
10 Endosulfan I					CAS #: 959-98-8		
14.175	14.158	0.017	2319943	0.00961	0.096		
13 4,4'-DDE					CAS #: 72-55-9		
14.380	14.370	0.010	4692100	0.01909	0.19		
14 Dieldrin					CAS #: 60-57-1		
15.007	14.986	0.021	4976566	0.01907	0.19		
20 Endosulfan sulfate					CAS #: 1031-07-8		
18.982	18.976	0.006	3544936	0.01723	0.17		
22 Endrin ketone					CAS #: 53494-70-5		
19.521	19.515	0.006	3993775	0.01770	0.18		
21 Methoxychlor					CAS #: 72-43-5		
18.862	18.856	0.006	10030047	0.10128	1.0		

7/20/07

Data File: E5D6167F.D
Report Date: 20-Jul-2007 10:04

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.724	5.711	0.013	3397046	0.01865	0.19		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
21.814	21.810	0.004	3901317	0.01605	0.16		

7/20/07

Data File: E5D6167R.D
Report Date: 20-Jul-2007 10:06

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6167R.D
Lab Smp Id: RESCT5 Client Smp ID: RESCT5
Inj Date : 19-JUL-2007 16:04
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : RESCT5,RESCT5,,resc.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\clp-e5r.m
Meth Date : 20-Jul-2007 09:55 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 1 QC Sample: RESOLUTION
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: resc.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

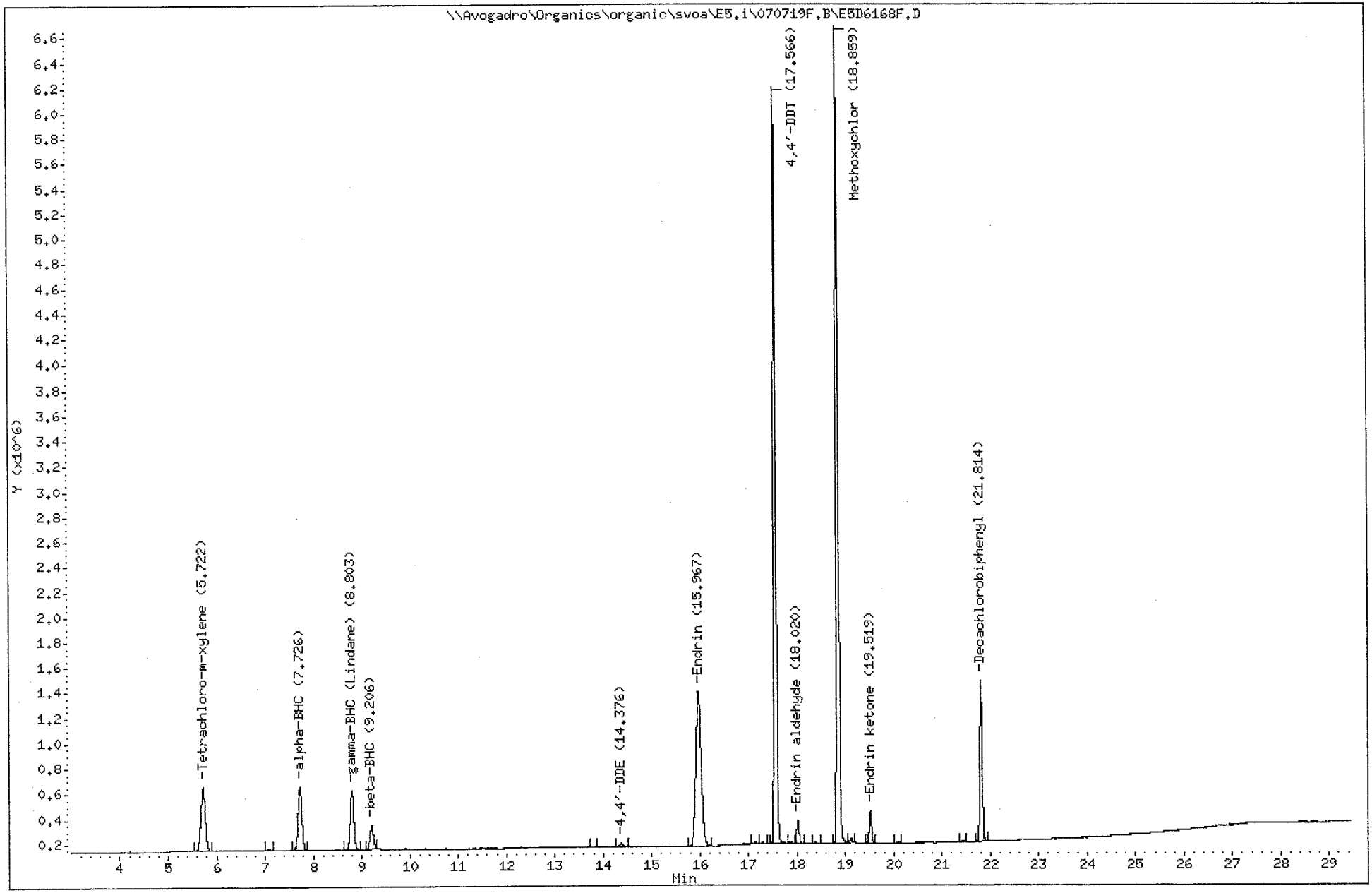
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
12 gamma-Chlordane					CAS #: 5103-74-2		
17.074	17.066	0.008	1311403	0.00981	0.098		
11 Endosulfan I					CAS #: 959-98-8		
17.538	17.530	0.008	1274942	0.00975	0.098		
14 4,4'-DDE					CAS #: 72-55-9		
18.043	18.038	0.005	2558223	0.01927	0.19		
15 Dieldrin					CAS #: 60-57-1		
18.209	18.203	0.006	2753191	0.01938	0.19		
21 Endosulfan sulfate					CAS #: 1031-07-8		
20.772	20.766	0.006	1963772	0.01696	0.17		
23 Endrin ketone					CAS #: 53494-70-5		
21.819	21.813	0.006	2157078	0.01808	0.18		
22 Methoxychlor					CAS #: 72-43-5		
21.570	21.566	0.004	5557447	0.10018	1.0		

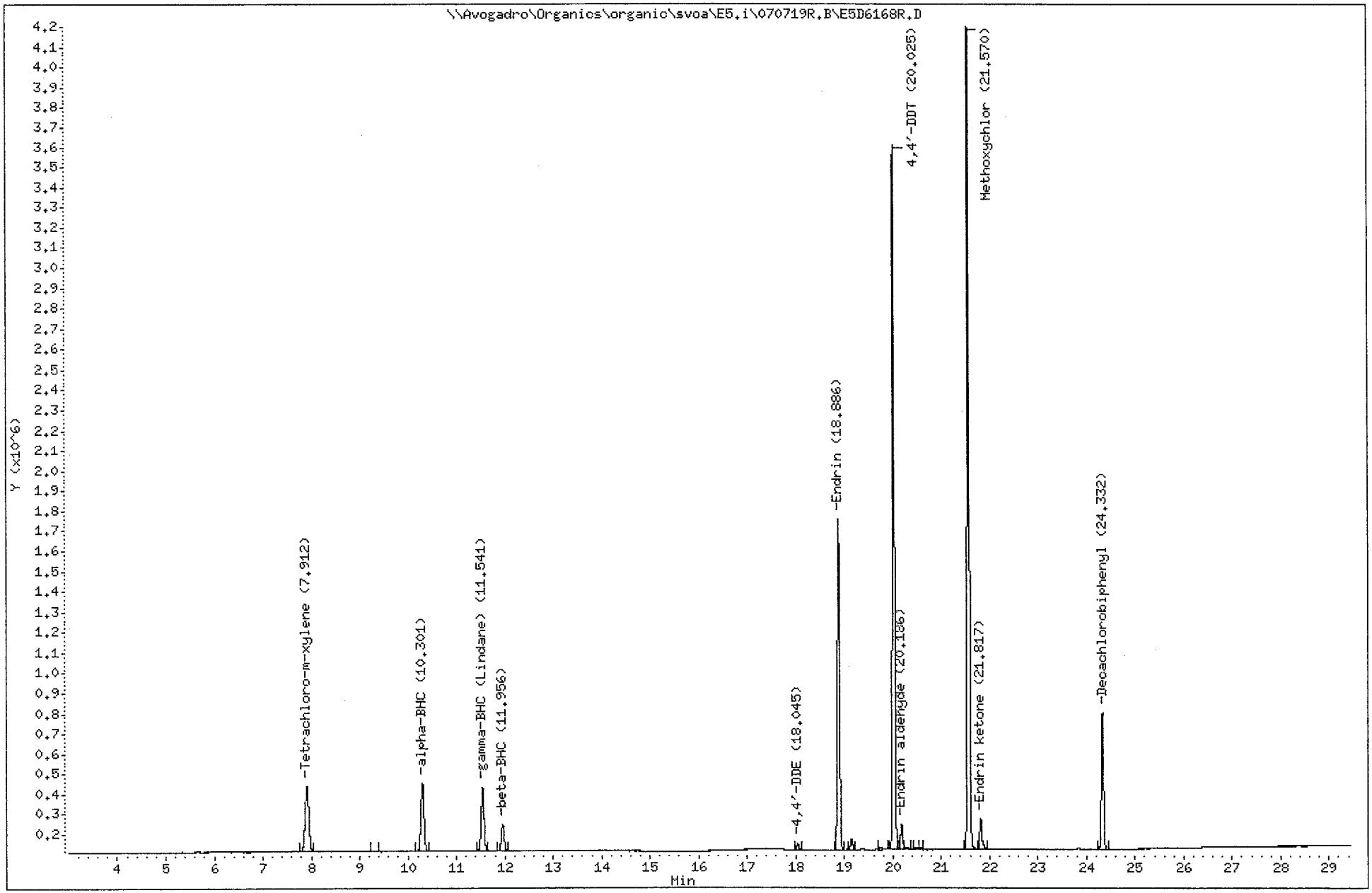
Data File: E5D6167R.D
Report Date: 20-Jul-2007 10:06

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.916	7.903	0.013	1846003	0.01887	0.19		
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3		
24.335	24.329	0.006	1982116	0.01639	0.16		

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6168F.D
Date : 19-JUL-2007 16:37
Client ID: PEMT5
Instrument: E5.i
Sample Info: PEMT5,PEMT5,,pem,sub,pem,spk,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPEST
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6168R.D
Date : 19-JUL-2007 16:37
Client ID: PEMT5
Instrument: E5.i
Sample Info: PEMT5,PEMT5,,pem,sub,pem,spk,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPESTII
Column diameter: 0.53



Data File: E5D6168F.D
Report Date: 20-Jul-2007 10:05

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6168F.D
Lab Smp Id: PEMT5 Client Smp ID: PEMT5
Inj Date : 19-JUL-2007 16:37
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : PEMT5,PEMT5,,pem.sub,pem.spk,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\clp-e5f.m
Meth Date : 20-Jul-2007 09:53 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 2 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.722	5.711	0.011	3207376	0.01761	0.018			
3 alpha-BHC					CAS #: 319-84-6			
7.725	7.719	0.006	2716176	0.00871	0.0087			
4 gamma-BHC (Lindane)					CAS #: 58-89-9			
8.803	8.794	0.009	2380810	0.00836	0.0084			
7 beta-BHC					CAS #: 319-85-7			
9.205	9.197	0.008	969846	0.00850	0.0085			
13 4,4'-DDE					CAS #: 72-55-9			
14.376	14.370	0.006	156491	6e-004	0.00064			(a)
15 Endrin					CAS #: 72-20-8			
15.967	15.963	0.004	9553145	0.04807	0.048			
18 4,4'-DDT					CAS #: 50-29-3			
17.565	17.561	0.004	20166046	0.08812	0.088			

Data File: E5D6168F.D
Report Date: 20-Jul-2007 10:05

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	
19 Endrin aldehyde					CAS #: 7421-93-4			
18.019	18.007	0.012	712448	0.00388	0.0039			(a)
21 Methoxychlor					CAS #: 72-43-5			
18.858	18.856	0.002	21417919	0.21627	0.22			
22 Endrin ketone					CAS #: 53494-70-5			
19.518	19.515	0.003	850672	0.00377	0.0038			(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
21.813	21.810	0.003	4173951	0.01717	0.017			

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

7/20/07

Data File: E5D6168R.D
Report Date: 20-Jul-2007 10:06

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6168R.D
Lab Smp Id: PEMT5 Client Smp ID: PEMT5
Inj Date : 19-JUL-2007 16:37
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : PEMT5,PEMT5,,pem.sub,pem.spk,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\clp-e5r.m
Meth Date : 20-Jul-2007 09:55 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 2 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.912	7.903	0.009	1727341	0.01766	0.018			
4 alpha-BHC					CAS #: 319-84-6			
10.300	10.295	0.005	1497341	0.00871	0.0087			
5 gamma-BHC (Lindane)					CAS #: 58-89-9			
11.540	11.536	0.004	1329114	0.00840	0.0084			
8 beta-BHC					CAS #: 319-85-7			
11.956	11.953	0.003	571773	0.00901	0.0090			
14 4,4'-DDE					CAS #: 72-55-9			
18.044	18.038	0.006	98081	7e-004	0.00074			(a)
16 Endrin					CAS #: 72-20-8			
18.886	18.885	0.001	5066774	0.04707	0.047			
19 4,4'-DDT					CAS #: 50-29-3			
20.024	20.023	0.001	10353325	0.08823	0.088			

Data File: E5D6168R.D
Report Date: 20-Jul-2007 10:06

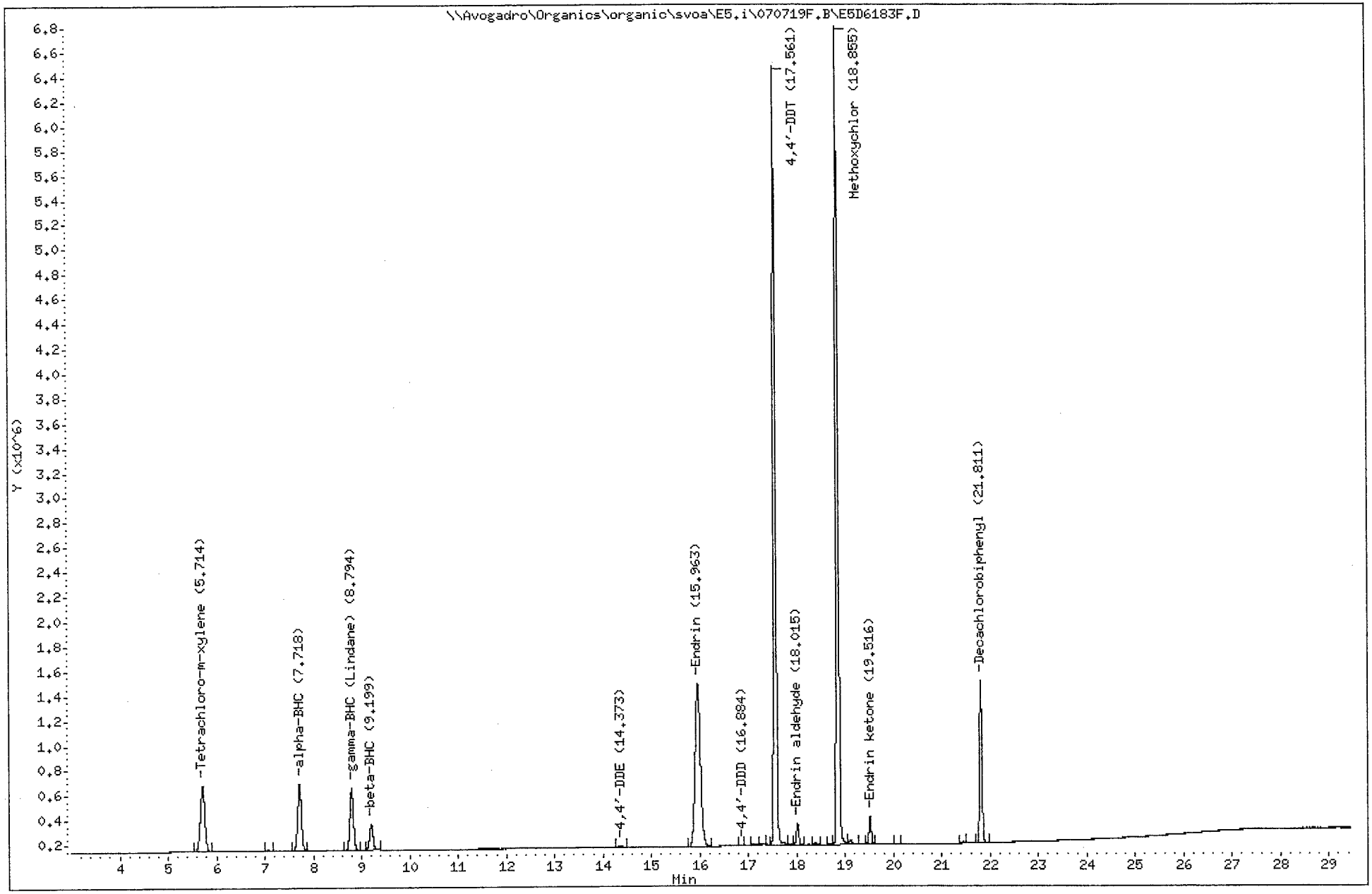
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO	
20 Endrin aldehyde					CAS #: 7421-93-4			
20.185	20.177	0.008	390118	0.00408	0.0041			(a)
22 Methoxychlor					CAS #: 72-43-5			
21.569	21.566	0.003	12164774	0.21928	0.22			
23 Endrin ketone					CAS #: 53494-70-5			
21.817	21.813	0.004	534836	0.00448	0.0045			(a)
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3			
24.332	24.329	0.003	2115251	0.01749	0.017			

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

7/20/07

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6183F.D
Date : 20-JUL-2007 00:53
Client ID: PEMTA
Instrument: E5.i
Sample Info: PEMTA,PEMTA,,pem.sub,pem.spk,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPEST
Column diameter: 0.53



Data File: E5D6183F.D
Report Date: 20-Jul-2007 10:05

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6183F.D
Lab Smp Id: PEMTA Client Smp ID: PEMTA
Inj Date : 20-JUL-2007 00:53
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : PEMTA,PEMTA,,pem.sub,pem.spk,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\clp-e5f.m
Meth Date : 20-Jul-2007 09:53 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 16 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.713	5.711	0.002	3364436	0.01848	0.018			
3 alpha-BHC					CAS #: 319-84-6			
7.717	7.719	-0.002	2876646	0.00923	0.0092			
4 gamma-BHC (Lindane)					CAS #: 58-89-9			
8.794	8.794	0.000	2516025	0.00883	0.0088			
7 beta-BHC					CAS #: 319-85-7			
9.199	9.197	0.002	1027086	0.00900	0.0090			
13 4,4'-DDE					CAS #: 72-55-9			
14.372	14.370	0.002	88823	4e-004	0.00036			(a)
15 Endrin					CAS #: 72-20-8			
15.962	15.963	-0.001	10248380	0.05157	0.052			
16 4,4'-DDD					CAS #: 72-54-8			
16.884	16.870	0.014	11649	6e-005	0.000058			(a)

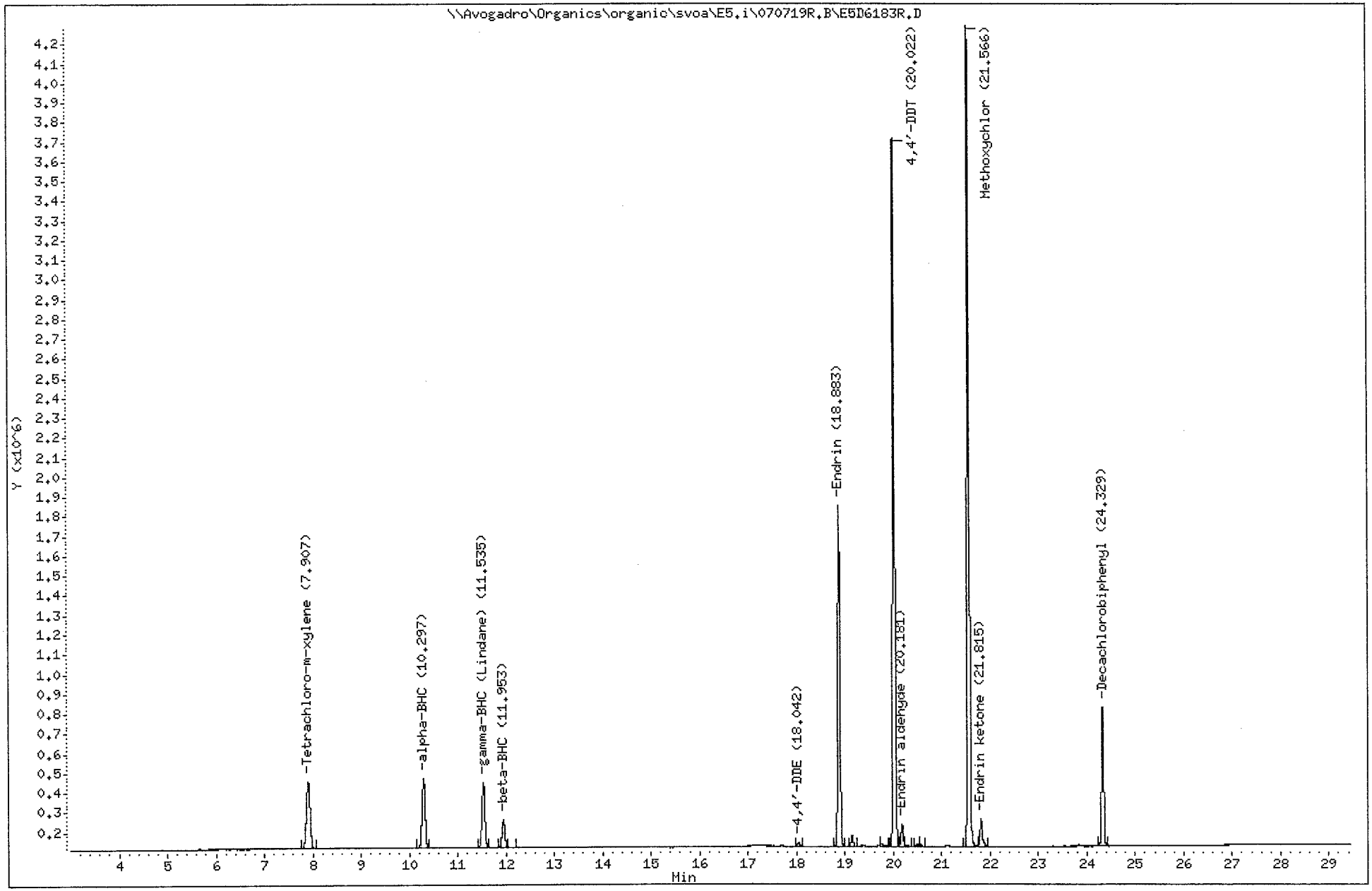
Data File: E5D6183F.D
Report Date: 20-Jul-2007 10:05

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	
18 4,4'-DDT					CAS #: 50-29-3			
17.561	17.561	0.000	20909622	0.09137	0.091			
19 Endrin aldehyde					CAS #: 7421-93-4			
18.015	18.007	0.008	627639	0.00342	0.0034			(a)
21 Methoxychlor					CAS #: 72-43-5			
18.855	18.856	-0.001	22156322	0.22373	0.22			
22 Endrin ketone					CAS #: 53494-70-5			
19.516	19.515	0.001	743569	0.00330	0.0033			(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
21.811	21.810	0.001	4347449	0.01788	0.018			

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6183R.D
Date : 20-JUL-2007 00:53
Client ID: PEMTA
Instrument: E5.i
Sample Info: PEMTA,PEMTA,,pem,sub,pem,spk,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPESTII
Column diameter: 0.53



Data File: E5D6183R.D
Report Date: 20-Jul-2007 10:07

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6183R.D
Lab Smp Id: PEMTA Client Smp ID: PEMTA
Inj Date : 20-JUL-2007 00:53
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : PEMTA,PEMTA,,pem.sub,pem.spk,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\clp-e5r.m
Meth Date : 20-Jul-2007 09:55 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 16 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.906	7.903	0.003	1805075	0.01845	0.018		
4 alpha-BHC					CAS #: 319-84-6		
10.296	10.295	0.001	1574021	0.00916	0.0092		
5 gamma-BHC (Lindane)					CAS #: 58-89-9		
11.535	11.536	-0.001	1392123	0.00880	0.0088		
8 beta-BHC					CAS #: 319-85-7		
11.952	11.953	-0.001	589648	0.00929	0.0093		
14 4,4'-DDE					CAS #: 72-55-9		
18.041	18.038	0.003	60790	5e-004	0.00046		(a)
16 Endrin					CAS #: 72-20-8		
18.882	18.885	-0.003	5407136	0.05023	0.050		
19 4,4'-DDT					CAS #: 50-29-3		
20.021	20.023	-0.002	10724311	0.09139	0.091		

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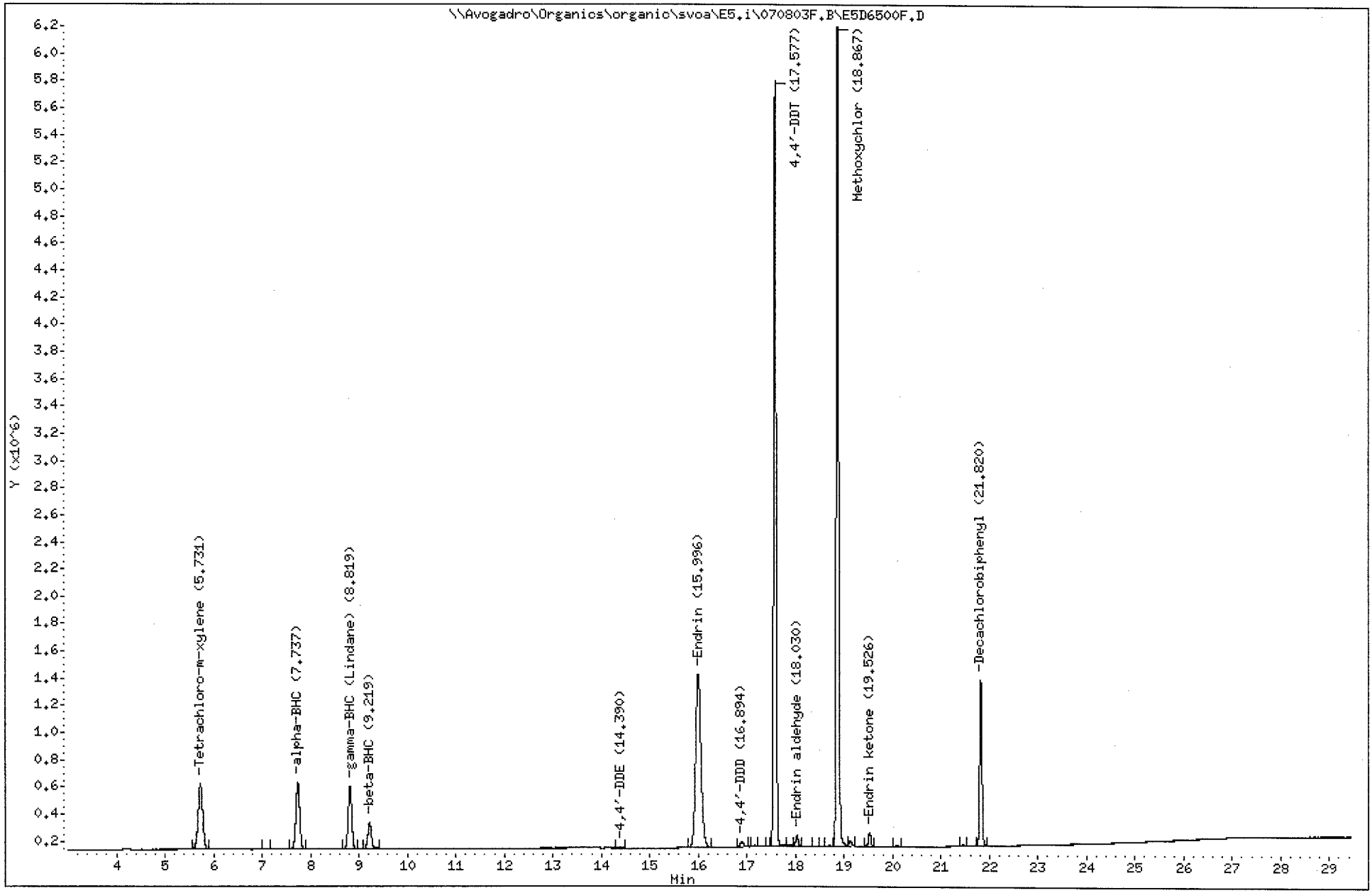
Data File: E5D6183R.D
Report Date: 20-Jul-2007 10:07

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	
20 Endrin aldehyde					CAS #: 7421-93-4			
20.181	20.177	0.004	349444	0.00365	0.0037			(a)
22 Methoxychlor					CAS #: 72-43-5			
21.566	21.566	0.000	12522614	0.22573	0.23			
23 Endrin ketone					CAS #: 53494-70-5			
21.815	21.813	0.002	479356	0.00402	0.0040			(a)
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3			
24.329	24.329	0.000	2189976	0.01811	0.018			

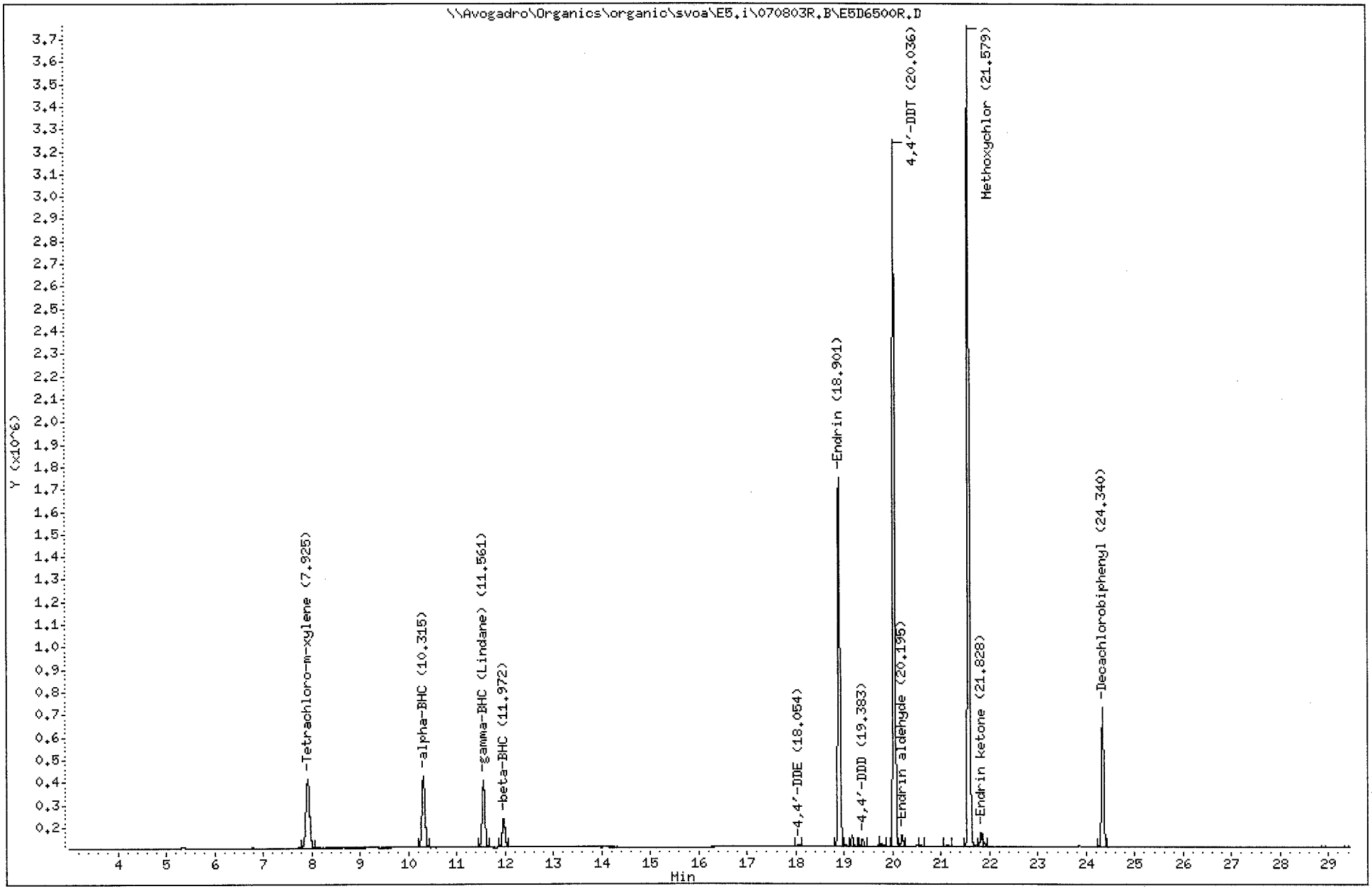
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\E5D6500F.D
Date : 03-AUG-2007 13:46
Client ID: PEMUP
Instrument: E5.i
Sample Info: PEMUP,PEMUP,,pem,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPEST
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\E5D6500R.D
Date : 03-AUG-2007 13:46
Client ID: PEMUP
Instrument: E5.i
Sample Info: PEMUP,PEMUP,,pem,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPESTII
Column diameter: 0.53



Data File: E5D6500F.D
Report Date: 14-Aug-2007 11:17

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\E5D6500F.D
Lab Smp Id: PEMUP Client Smp ID: PEMUP
Inj Date : 03-AUG-2007 13:46
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : PEMUP,PEMUP,,pem.sub,,
Misc Info : 3,,PEM,1,,1000
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\clp-e5f.m
Meth Date : 14-Aug-2007 11:17 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 1 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.731	5.711	0.020	3095619	0.01700	0.017			
3 alpha-BHC					CAS #: 319-84-6			
7.737	7.719	0.018	2654668	0.00851	0.0085			
4 gamma-BHC (Lindane)					CAS #: 58-89-9			
8.819	8.794	0.025	2324997	0.00816	0.0082			
7 beta-BHC					CAS #: 319-85-7			
9.219	9.197	0.022	972247	0.00852	0.0085			
13 4,4'-DDE					CAS #: 72-55-9			
14.390	14.370	0.020	51568	0.00021	0.00021			(a)
15 Endrin					CAS #: 72-20-8			
15.996	15.963	0.033	10022513	0.05043	0.050			
16 4,4'-DDD					CAS #: 72-54-8			
16.893	16.870	0.023	181467	9e-004	0.00091			(a)

8/14/07

Data File: E5D6500F.D
Report Date: 14-Aug-2007 11:17

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	
18 4,4'-DDT					CAS #: 50-29-3			
17.577	17.561	0.016	18880626	0.08250	0.083			
19 Endrin aldehyde					CAS #: 7421-93-4			
18.029	18.007	0.022	282756	0.00154	0.0015			(a)
21 Methoxychlor					CAS #: 72-43-5			
18.867	18.856	0.011	20205841	0.20403	0.20			
22 Endrin ketone					CAS #: 53494-70-5			
19.526	19.515	0.011	358410	0.00159	0.0016			(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
21.820	21.810	0.010	4014012	0.01651	0.017			

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

8/14/07

Data File: E5D6500R.D
Report Date: 14-Aug-2007 11:18

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\E5D6500R.D
Lab Smp Id: PEMUP Client Smp ID: PEMUP
Inj Date : 03-AUG-2007 13:46
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : PEMUP,PEMUP,,pem.sub,,
Misc Info : 3,,PEM,1,,1000
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\clp-e5r.m
Meth Date : 14-Aug-2007 11:18 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 1 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.925	7.903	0.022	1621688	0.01658	0.017		
4 alpha-BHC					CAS #: 319-84-6		
10.315	10.295	0.020	1410228	0.00821	0.0082		
5 gamma-BHC (Lindane)					CAS #: 58-89-9		
11.561	11.536	0.025	1251532	0.00791	0.0079		
8 beta-BHC					CAS #: 319-85-7		
11.972	11.953	0.019	533284	0.00840	0.0084		
14 4,4'-DDE					CAS #: 72-55-9		
18.053	18.038	0.015	33441	3e-004	0.00025		(a)
16 Endrin					CAS #: 72-20-8		
18.901	18.885	0.016	5124608	0.04760	0.048		
17 4,4'-DDD					CAS #: 72-54-8		
19.382	19.368	0.014	105875	1e-003	0.00096		(a)

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8/14/07

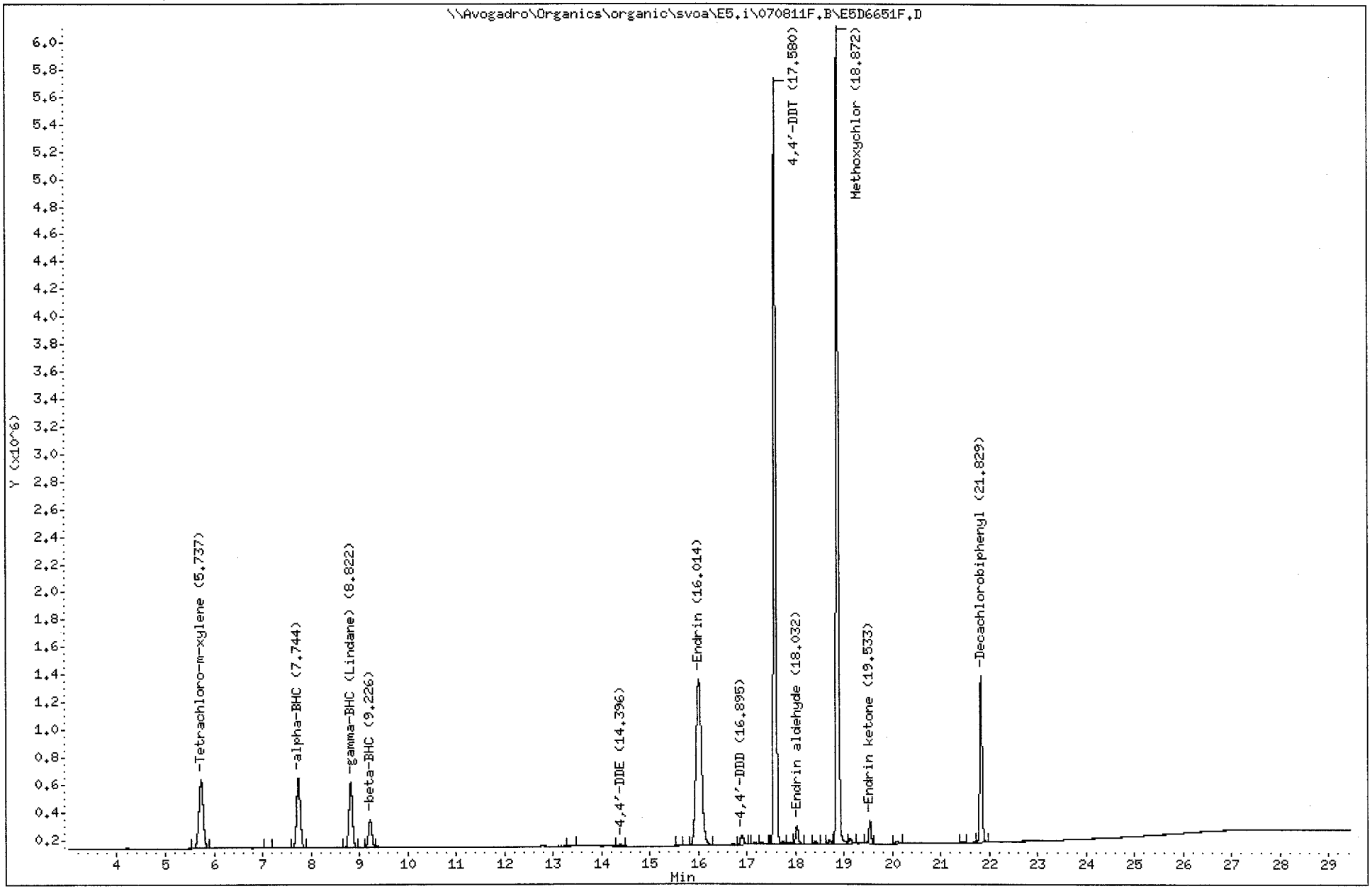
Data File: E5D6500R.D
Report Date: 14-Aug-2007 11:18

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	
19 4,4'-DDT					CAS #: 50-29-3			
20.036	20.023	0.013	9275608	0.07905	0.079			
20 Endrin aldehyde					CAS #: 7421-93-4			
20.195	20.177	0.018	156756	0.00164	0.0016			(a)
22 Methoxychlor					CAS #: 72-43-5			
21.579	21.566	0.013	10841219	0.19542	0.20			
23 Endrin ketone					CAS #: 53494-70-5			
21.827	21.813	0.014	199104	0.00167	0.0017			(a)
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3			
24.340	24.329	0.011	1928242	0.01595	0.016			

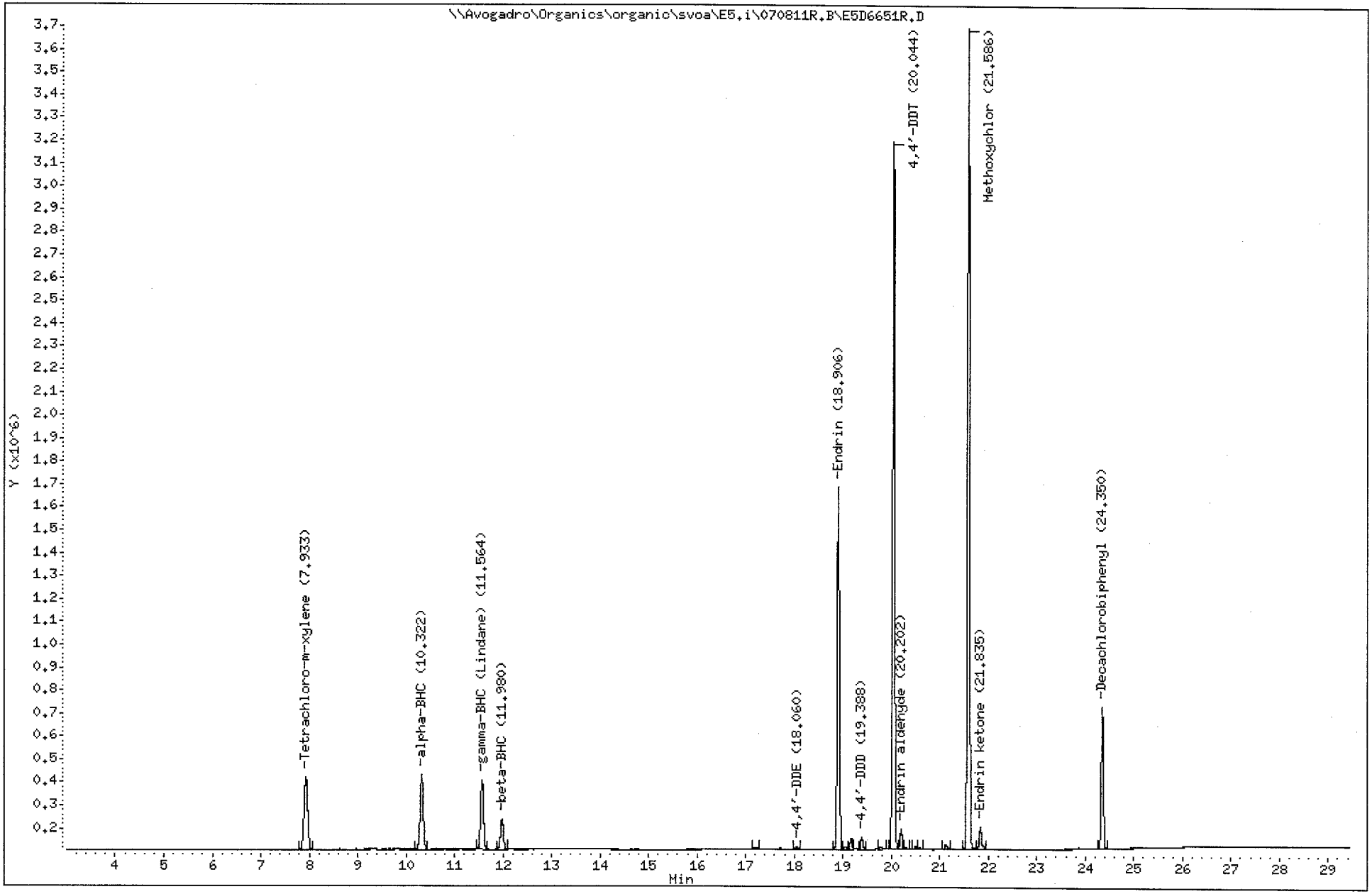
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\E5D6651F.D
Date : 11-AUG-2007 12:32
Client ID: PEMUU
Instrument: E5.i
Sample Info: PEMUU,PEMUU,,pem,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPEST
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\E5D6651R.D
Date : 11-AUG-2007 12:32
Client ID: PEMUU
Instrument: E5.i
Sample Info: PEMUU,PEMUU,,pem,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPESTII
Column diameter: 0.53



3359

Data File: E5D6651F.D
Report Date: 14-Aug-2007 11:25

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\E5D6651F.D
Lab Smp Id: PEMUU Client Smp ID: PEMUU
Inj Date : 11-AUG-2007 12:32
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : PEMUU,PEMUU,,pem.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\clp-e5f.m
Meth Date : 14-Aug-2007 11:25 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 1 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.737	5.711	0.026	3108382	0.01707	0.017			
3 alpha-BHC					CAS #: 319-84-6			
7.743	7.719	0.024	2677274	0.00859	0.0086			
4 gamma-BHC (Lindane)					CAS #: 58-89-9			
8.822	8.794	0.028	2344798	0.00823	0.0082			
7 beta-BHC					CAS #: 319-85-7			
9.226	9.197	0.029	964867	0.00846	0.0085			
13 4,4'-DDE					CAS #: 72-55-9			
14.396	14.370	0.026	62224	3e-004	0.00025			(a)
15 Endrin					CAS #: 72-20-8			
16.013	15.963	0.050	9582706	0.04822	0.048			
16 4,4'-DDD					CAS #: 72-54-8			
16.895	16.870	0.025	296162	0.00148	0.0015			(a)

V.
8/14/07

Data File: E5D6651F.D
Report Date: 14-Aug-2007 11:25

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	
18 4,4'-DDT					CAS #: 50-29-3			
17.580	17.561	0.019	18582284	0.08120	0.081			
19 Endrin aldehyde					CAS #: 7421-93-4			
18.032	18.007	0.025	517248	0.00282	0.0028			(a)
21 Methoxychlor					CAS #: 72-43-5			
18.872	18.856	0.016	19833013	0.20027	0.20			
22 Endrin ketone					CAS #: 53494-70-5			
19.532	19.515	0.017	559156	0.00248	0.0025			(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
21.828	21.810	0.018	3965431	0.01631	0.016			

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

8/14/07

Data File: E5D6651R.D
Report Date: 14-Aug-2007 11:28

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\E5D6651R.D
Lab Smp Id: PEMUU Client Smp ID: PEMUU
Inj Date : 11-AUG-2007 12:32
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : PEMUU,PEMUU,,pem.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\clp-e5r.m
Meth Date : 14-Aug-2007 11:28 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 1 QC Sample: PEM
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pem.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8		
7.932	7.903	0.029	1639878	0.01676	0.017			
4 alpha-BHC						CAS #: 319-84-6		
10.322	10.295	0.027	1432661	0.00834	0.0083			
5 gamma-BHC (Lindane)						CAS #: 58-89-9		
11.563	11.536	0.027	1271428	0.00804	0.0080			
8 beta-BHC						CAS #: 319-85-7		
11.979	11.953	0.026	542180	0.00854	0.0085			
14 4,4'-DDE						CAS #: 72-55-9		
18.060	18.038	0.022	36715	3e-004	0.00028			(a)
16 Endrin						CAS #: 72-20-8		
18.906	18.885	0.021	4908969	0.04560	0.046			
17 4,4'-DDD						CAS #: 72-54-8		
19.387	19.368	0.019	166518	0.00151	0.0015			(a)

8/14/07

Data File: E5D6651R.D
Report Date: 14-Aug-2007 11:28

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	
19 4,4'-DDT					CAS #: 50-29-3			
20.043	20.023	0.020	9195004	0.07836	0.078			
20 Endrin aldehyde					CAS #: 7421-93-4			
20.202	20.177	0.025	261839	0.00274	0.0027			(a)
22 Methoxychlor					CAS #: 72-43-5			
21.586	21.566	0.020	10639982	0.19180	0.19			
23 Endrin ketone					CAS #: 53494-70-5			
21.835	21.813	0.022	353020	0.00296	0.0030			(a)
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3			
24.350	24.329	0.021	1915183	0.01584	0.016			

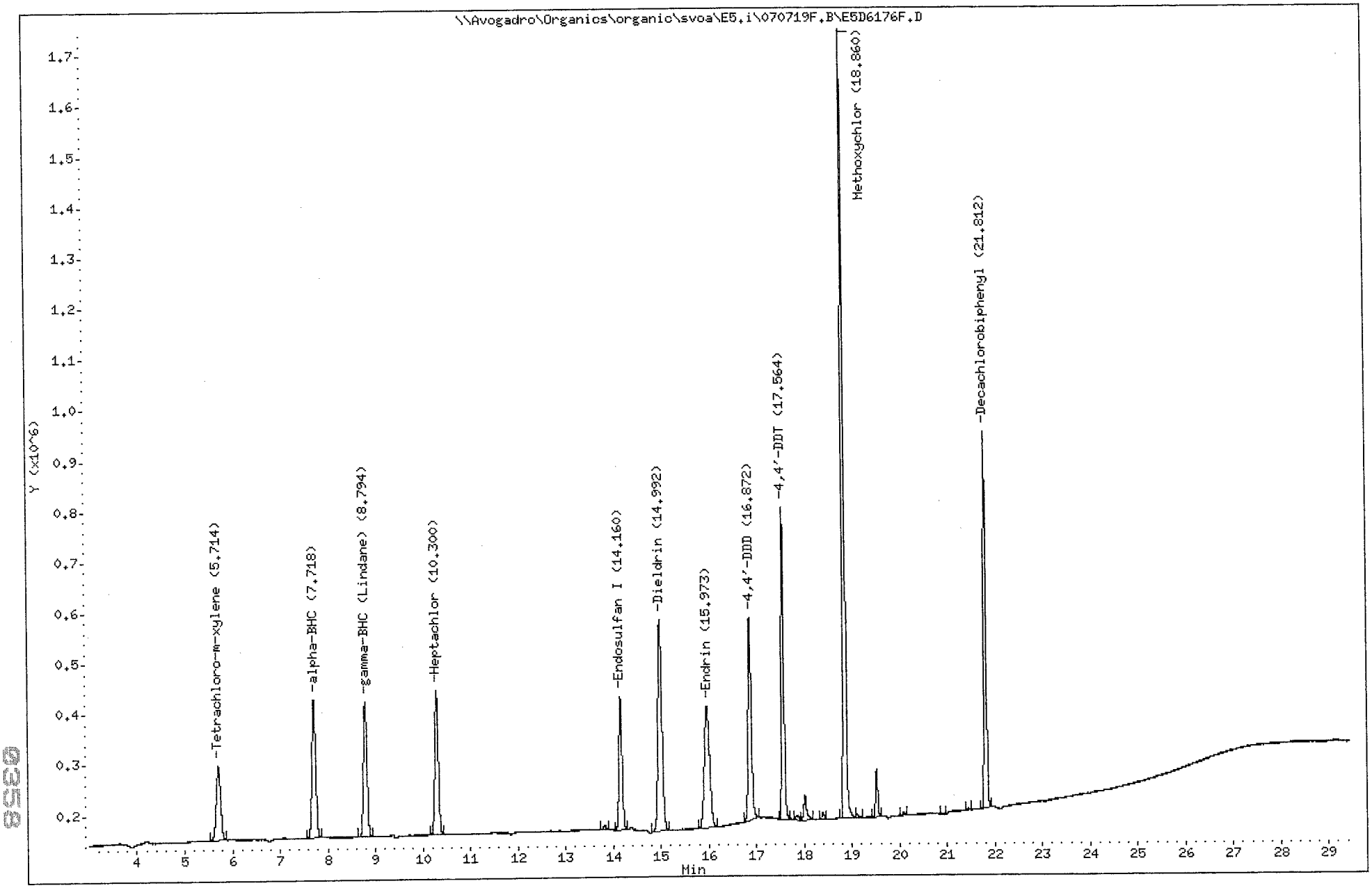
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

8/14/07

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6176F.D
Date : 19-JUL-2007 21:01
Client ID: INDALT5
Sample Info: INDALT5,INDALT5,,inda.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPEST

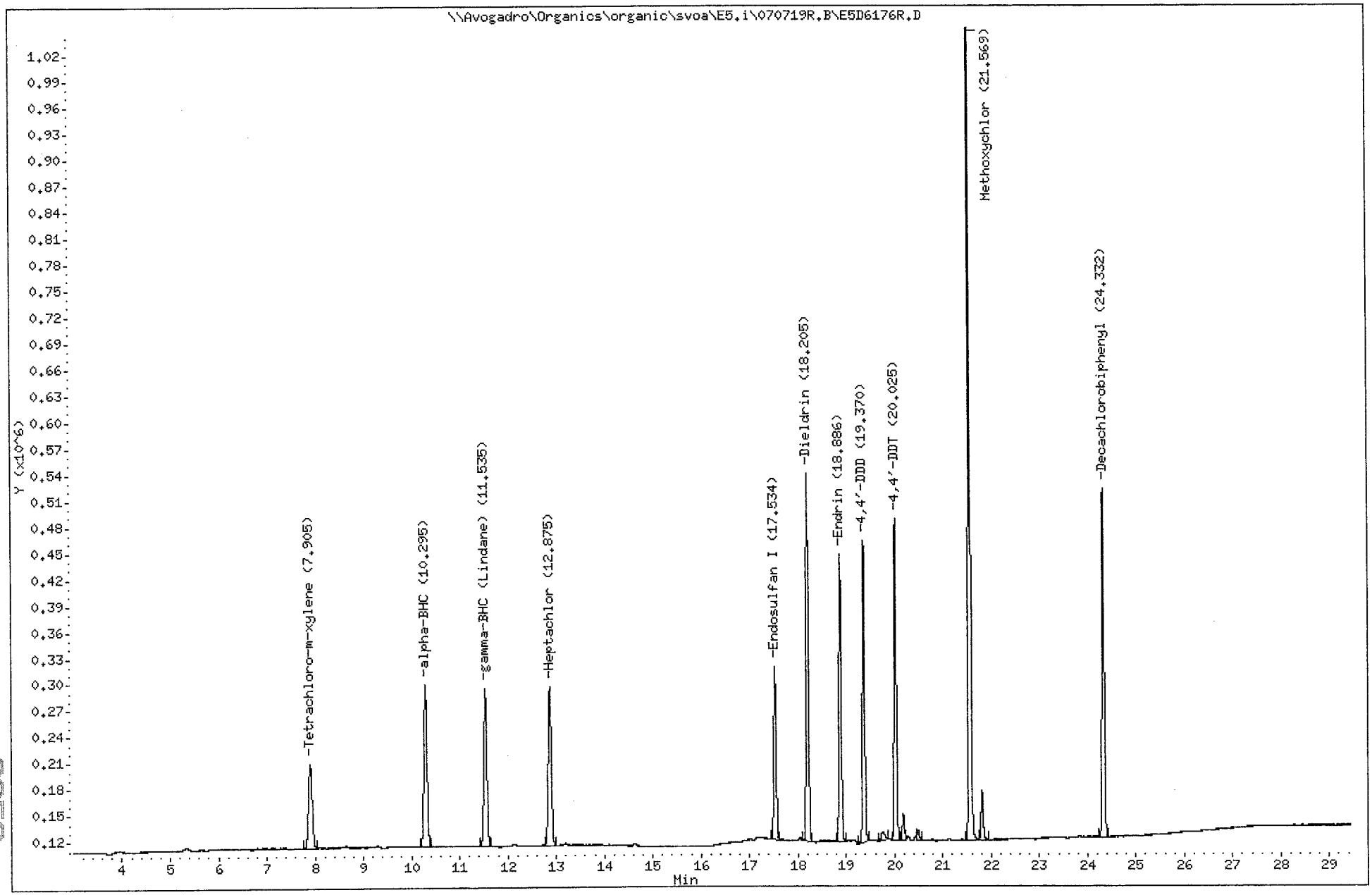
Instrument: E5.i
Operator: SZ SRC: SZ
Column diameter: 0.53



8529

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6176R.D
Date : 19-JUL-2007 21:01
Client ID: INDALT5
Sample Info: INDALT5,INDALT5,,inda,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E5.i
Operator: SZ SRC: SZ
Column diameter: 0.53



Data File: E5D6176F.D
Report Date: 20-Jul-2007 10:05

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6176F.D
Lab Smp Id: INDALT5 Client Smp ID: INDALT5
Inj Date : 19-JUL-2007 21:01
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : INDALT5,INDALT5,,inda.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\clp-e5f.m
Meth Date : 20-Jul-2007 09:53 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 21:01 Cal File: E5D6176F.D
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.713	5.711	0.002	934965	0.00500	0.0051			(a)
3 alpha-BHC					CAS #: 319-84-6			
7.717	7.719	-0.002	1479821	0.00500	0.0047			(a)
4 gamma-BHC (Lindane)					CAS #: 58-89-9			
8.793	8.794	-0.001	1368913	0.00500	0.0048			(a)
5 Heptachlor					CAS #: 76-44-8			
10.300	10.297	0.003	1441344	0.00500	0.0049			(a)
10 Endosulfan I					CAS #: 959-98-8			
14.160	14.158	0.002	1202773	0.00500	0.0050			(a)
14 Dieldrin					CAS #: 60-57-1			
14.992	14.986	0.006	2458832	0.01000	0.0094			(a)
15 Endrin					CAS #: 72-20-8			
15.972	15.963	0.009	1879012	0.01000	0.0095			(a)

fb
7/20/07

Data File: E5D6176F.D
Report Date: 20-Jul-2007 10:05

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
16 4,4'-DDD					CAS #: 72-54-8			
16.872	16.870	0.002	1858348	0.01000	0.0093			(a)
18 4,4'-DDT					CAS #: 50-29-3			
17.563	17.561	0.002	2139386	0.01000	0.0093			(a)
21 Methoxychlor					CAS #: 72-43-5			
18.860	18.856	0.004	5255329	0.05000	0.053			(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
21.812	21.810	0.002	2466977	0.01000	0.010			(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

7/20/07

Data File: E5D6176R.D
Report Date: 20-Jul-2007 10:07

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6176R.D
Lab Smp Id: INDALT5 Client Smp ID: INDALT5
Inj Date : 19-JUL-2007 21:01
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : INDALT5,INDALT5,,inda.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\clp-e5r.m
Meth Date : 20-Jul-2007 09:55 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.905	7.903	0.002	505012	0.00500	0.0052			(a)
4 alpha-BHC					CAS #: 319-84-6			
10.295	10.295	0.000	821819	0.00500	0.0048			(a)
5 gamma-BHC (Lindane)					CAS #: 58-89-9			
11.535	11.536	-0.001	768722	0.00500	0.0049			(a)
6 Heptachlor					CAS #: 76-44-8			
12.875	12.875	0.000	805693	0.00500	0.0051			(a)
11 Endosulfan I					CAS #: 959-98-8			
17.533	17.530	0.003	670901	0.00500	0.0051			(a)
15 Dieldrin					CAS #: 60-57-1			
18.205	18.203	0.002	1370684	0.01000	0.0097			(a)
16 Endrin					CAS #: 72-20-8			
18.886	18.885	0.001	1045144	0.01000	0.0097			(a)

7/20/07

Data File: E5D6176R.D
Report Date: 20-Jul-2007 10:07

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
17 4,4'-DDD					CAS #: 72-54-8			
19.370	19.368	0.002	1082794	0.01000	0.0098			(a)
19 4,4'-DDT					CAS #: 50-29-3			
20.025	20.023	0.002	1128440	0.01000	0.0096			(a)
22 Methoxychlor					CAS #: 72-43-5			
21.568	21.566	0.002	2846278	0.05000	0.051			(a)
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3			
24.332	24.329	0.003	1258125	0.01000	0.010			(a)

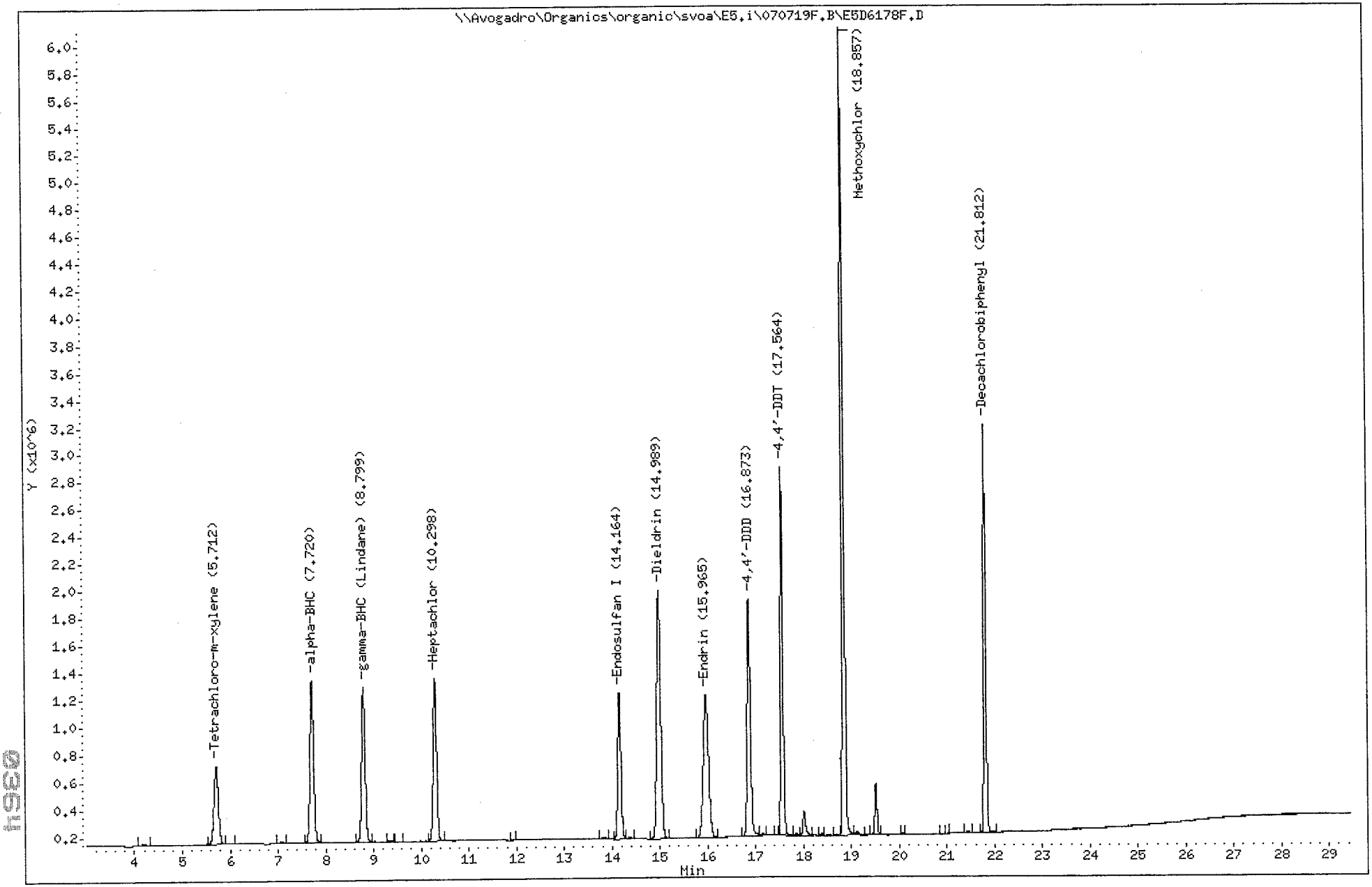
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

7/20/07

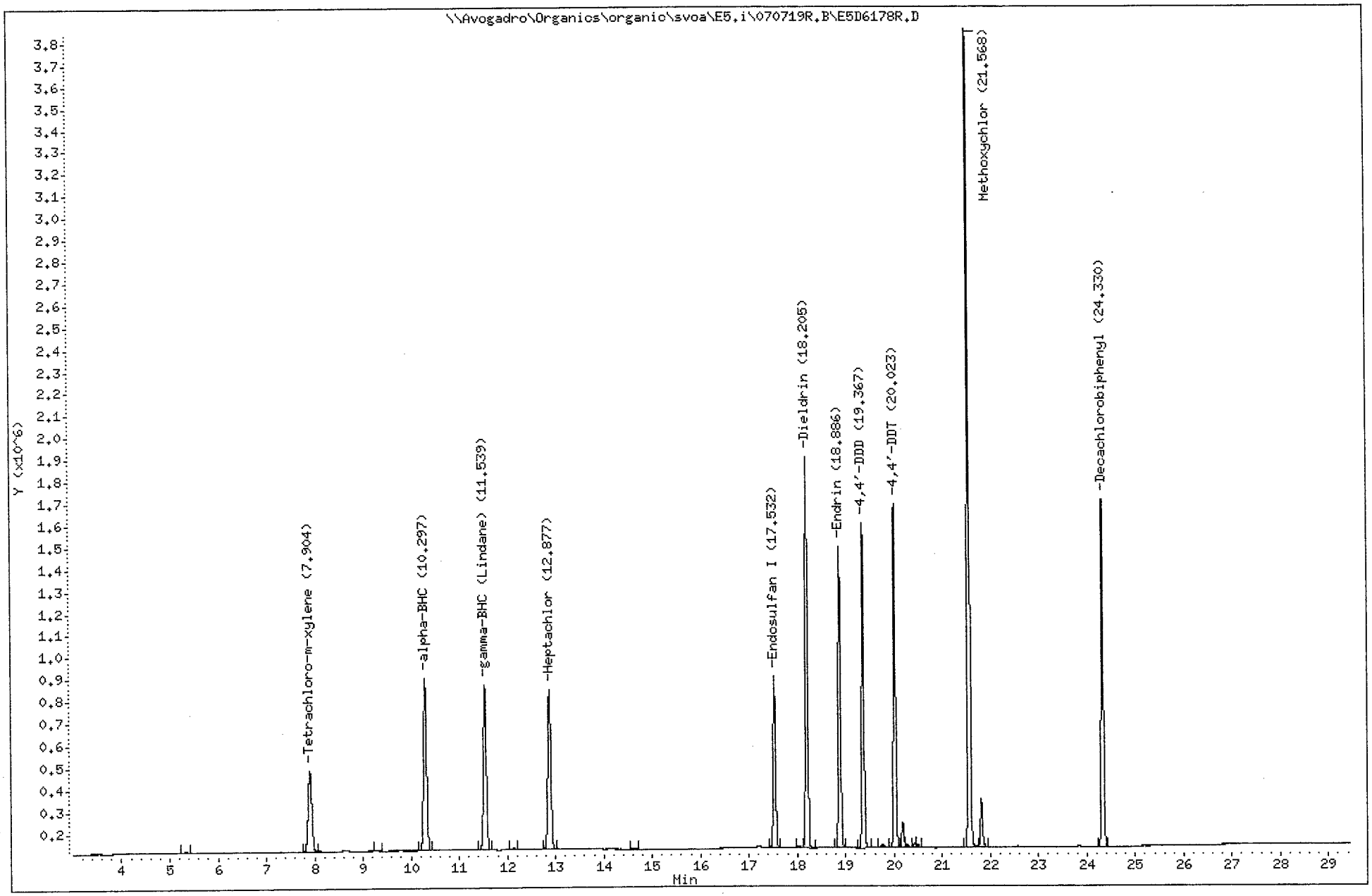
Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6178F.D
Date : 19-JUL-2007 22:08
Client ID: INDAMT5
Sample Info: INDAMT5,INDAMT5,,inda.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPEST

Instrument: E5.i
Operator: SZ SRC: SZ
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6178R.D
Date : 19-JUL-2007 22:08
Client ID: INDAMT5
Sample Info: INDAMT5,INDAMT5,,inda,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E5.i
Operator: SZ SRC: SZ
Column diameter: 0.53



S969

Data File: E5D6178F.D
Report Date: 20-Jul-2007 10:05

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6178F.D
Lab Smp Id: INDAMT5 Client Smp ID: INDAMT5
Inj Date : 19-JUL-2007 22:08
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : INDAMT5,INDAMT5,,inda.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\clp-e5f.m
Meth Date : 20-Jul-2007 09:53 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 22:08 Cal File: E5D6178F.D
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.711	5.711	0.000	3641978	0.02000	0.020			(a)
3 alpha-BHC					CAS #: 319-84-6			
7.719	7.719	0.000	6236030	0.02000	0.020			(a)
4 gamma-BHC (Lindane)					CAS #: 58-89-9			
8.799	8.794	0.005	5696912	0.02000	0.020			(a)
5 Heptachlor					CAS #: 76-44-8			
10.298	10.297	0.001	5872316	0.02000	0.020			(a)
10 Endosulfan I					CAS #: 959-98-8			
14.164	14.158	0.006	4829527	0.02000	0.020			(a)
14 Dieldrin					CAS #: 60-57-1			
14.989	14.986	0.003	10438818	0.04000	0.040			(a)
15 Endrin					CAS #: 72-20-8			
15.964	15.963	0.001	7949277	0.04000	0.040			(a)

KB 7/20/07

Data File: E5D6178F.D
Report Date: 20-Jul-2007 10:05

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
16 4,4'-DDD					CAS #: 72-54-8			
16.873	16.870	0.003	8006754	0.04000	0.040			(a)
18 4,4'-DDT					CAS #: 50-29-3			
17.564	17.561	0.003	9154050	0.04000	0.040			(a)
21 Methoxychlor					CAS #: 72-43-5			
18.856	18.856	0.000	19806613	0.20000	0.20			(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
21.811	21.810	0.001	9725674	0.04000	0.040			(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

kb
7/20/07

Data File: E5D6178R.D
Report Date: 20-Jul-2007 10:07

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6178R.D
Lab Smp Id: INDAMT5 Client Smp ID: INDAMT5
Inj Date : 19-JUL-2007 22:08
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : INDAMT5,INDAMT5,,inda.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\clp-e5r.m
Meth Date : 20-Jul-2007 09:55 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 12 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	AMOUNTS RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.904	7.903	0.001	1956706	0.02000	0.020			(a)
4 alpha-BHC					CAS #: 319-84-6			
10.297	10.295	0.002	3436965	0.02000	0.020			(a)
5 gamma-BHC (Lindane)					CAS #: 58-89-9			
11.539	11.536	0.003	3163977	0.02000	0.020			(a)
6 Heptachlor					CAS #: 76-44-8			
12.877	12.875	0.002	3189059	0.02000	0.020			(a)
11 Endosulfan I					CAS #: 959-98-8			
17.532	17.530	0.002	2614452	0.02000	0.020			(a)
15 Dieldrin					CAS #: 60-57-1			
18.204	18.203	0.001	5681229	0.04000	0.040			(a)
16 Endrin					CAS #: 72-20-8			
18.885	18.885	0.000	4306184	0.04000	0.040			(a)

7/20/07

Data File: E5D6178R.D
Report Date: 20-Jul-2007 10:07

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
17 4,4'-DDD					CAS #: 72-54-8			
19.367	19.368	-0.001	4424448	0.04000	0.040			(a)
19 4,4'-DDT					CAS #: 50-29-3			
20.023	20.023	0.000	4693716	0.04000	0.040			(a)
22 Methoxychlor					CAS #: 72-43-5			
21.568	21.566	0.002	11095110	0.20000	0.20			(a)
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3			
24.329	24.329	0.000	4836871	0.04000	0.040			(a)

QC Flag Legend

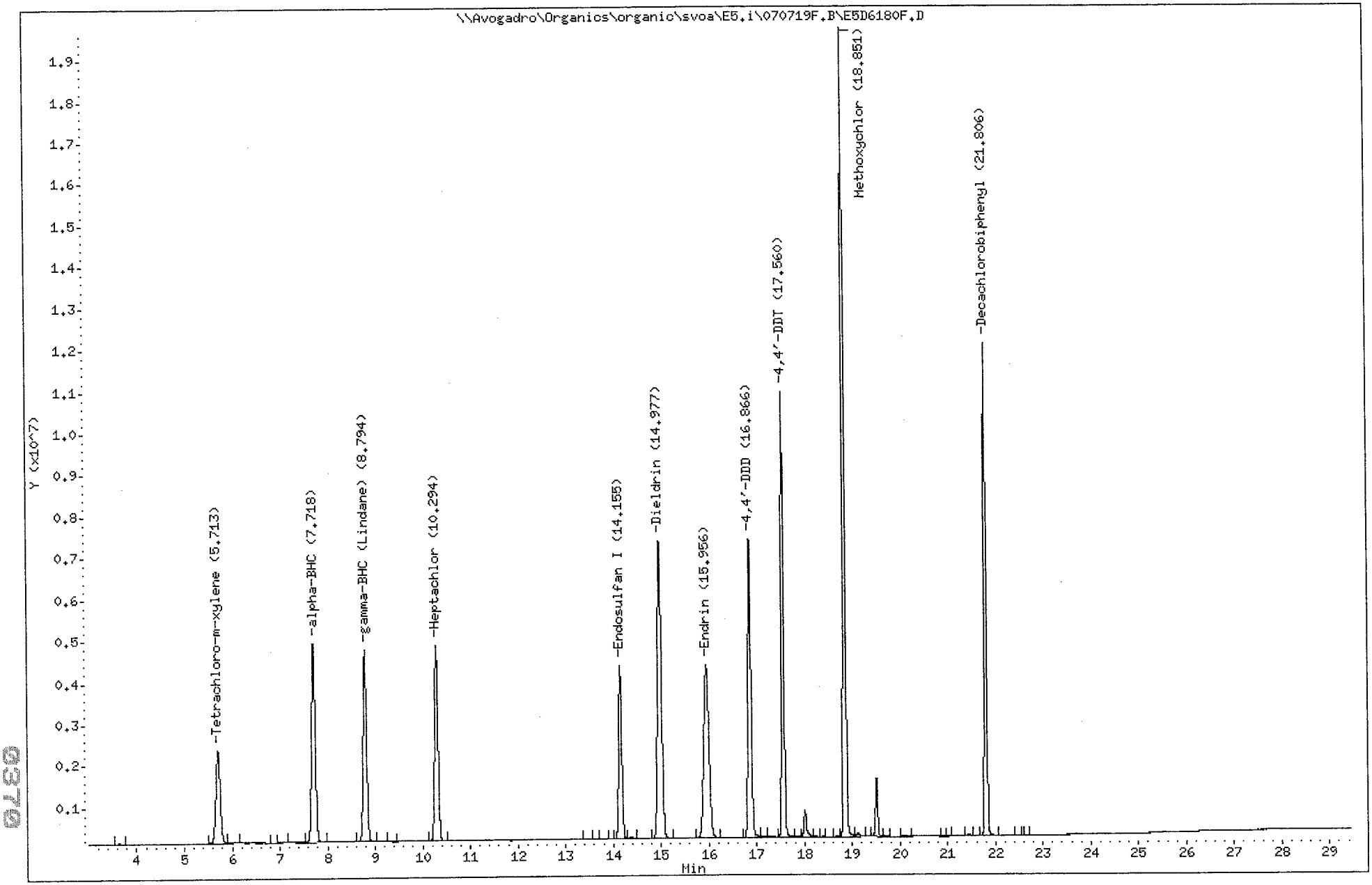
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

7/20/07

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6180F.D
Date : 19-JUL-2007 23:14
Client ID: INDAHT5
Sample Info: INDAHT5,INDAHT5,,inda,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPEST

Instrument: E5.i

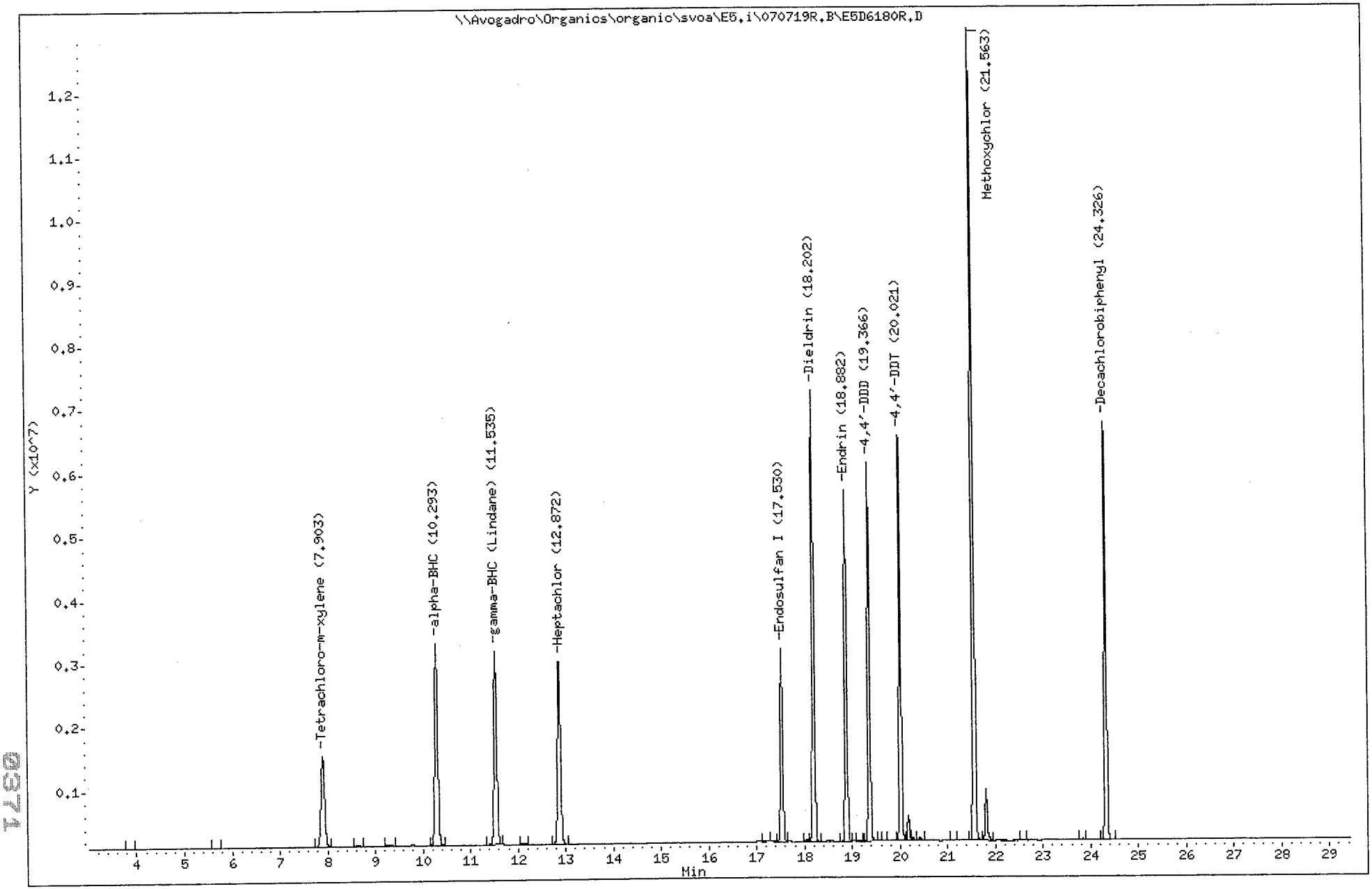
Operator: SZ SRC: SZ
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6180R.D
Date : 19-JUL-2007 23:14
Client ID: INDAHT5
Sample Info: INDAHT5,INDAHT5,,inda,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E5.i

Operator: SZ SRC: SZ
Column diameter: 0.53



Data File: E5D6180F.D
Report Date: 20-Jul-2007 10:05

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6180F.D
Lab Smp Id: INDAHT5 Client Smp ID: INDAHT5
Inj Date : 19-JUL-2007 23:14
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : INDAHT5,INDAHT5,,inda.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\clp-e5f.m
Meth Date : 20-Jul-2007 09:53 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:14 Cal File: E5D6180F.D
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.713	5.711	0.002	13856551	0.08000	0.076			
3 alpha-BHC					CAS #: 319-84-6			
7.718	7.719	-0.001	25161124	0.08000	0.081			(A)
4 gamma-BHC (Lindane)					CAS #: 58-89-9			
8.793	8.794	-0.001	22733140	0.08000	0.080			
5 Heptachlor					CAS #: 76-44-8			
10.293	10.297	-0.004	23055734	0.08000	0.079			
10 Endosulfan I					CAS #: 959-98-8			
14.154	14.158	-0.004	18547181	0.08000	0.077			
14 Dieldrin					CAS #: 60-57-1			
14.977	14.986	-0.009	41208929	0.16000	0.16			
15 Endrin					CAS #: 72-20-8			
15.955	15.963	-0.008	31769591	0.16000	0.16			

7/20/07

Data File: E5D6180F.D
Report Date: 20-Jul-2007 10:05

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
16 4,4'-DDD					CAS #: 72-54-8			
16.865	16.870	-0.005	32144572	0.16000	0.16			(A)
18 4,4'-DDT					CAS #: 50-29-3			
17.559	17.561	-0.002	36456849	0.16000	0.16			
21 Methoxychlor					CAS #: 72-43-5			
18.851	18.856	-0.005	65196644	0.80000	0.66			
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
21.806	21.810	-0.004	37515461	0.16000	0.15			(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

7/20/07

Data File: E5D6180R.D
Report Date: 20-Jul-2007 10:07

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6180R.D
Lab Smp Id: INDAHT5 Client Smp ID: INDAHT5
Inj Date : 19-JUL-2007 23:14
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : INDAHT5,INDAHT5,,inda.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\clp-e5r.m
Meth Date : 20-Jul-2007 09:55 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1	Tetrachloro-m-xylene					CAS #: 877-09-8			
	7.903	7.903	0.000	7359526	0.08000	0.075			
4	alpha-BHC					CAS #: 319-84-6			
	10.293	10.295	-0.002	13781557	0.08000	0.080			(A)
5	gamma-BHC (Lindane)					CAS #: 58-89-9			
	11.534	11.536	-0.002	12552452	0.08000	0.079			
6	Heptachlor					CAS #: 76-44-8			
	12.872	12.875	-0.003	12360288	0.08000	0.078			
11	Endosulfan I					CAS #: 959-98-8			
	17.529	17.530	-0.001	10042299	0.08000	0.077			
15	Dieldrin					CAS #: 60-57-1			
	18.202	18.203	-0.001	22410799	0.16000	0.16			
16	Endrin					CAS #: 72-20-8			
	18.882	18.885	-0.003	17075975	0.16000	0.16			

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Data File: E5D6180R.D
Report Date: 20-Jul-2007 10:07

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
17 4,4'-DDD					CAS #: 72-54-8			
19.365	19.368	-0.003	17545560	0.16000	0.16			
19 4,4'-DDT					CAS #: 50-29-3			
20.020	20.023	-0.003	18683916	0.16000	0.16			
22 Methoxychlor					CAS #: 72-43-5			
21.563	21.566	-0.003	38820443	0.80000	0.70			
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3			
24.326	24.329	-0.003	19581193	0.16000	0.16			(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

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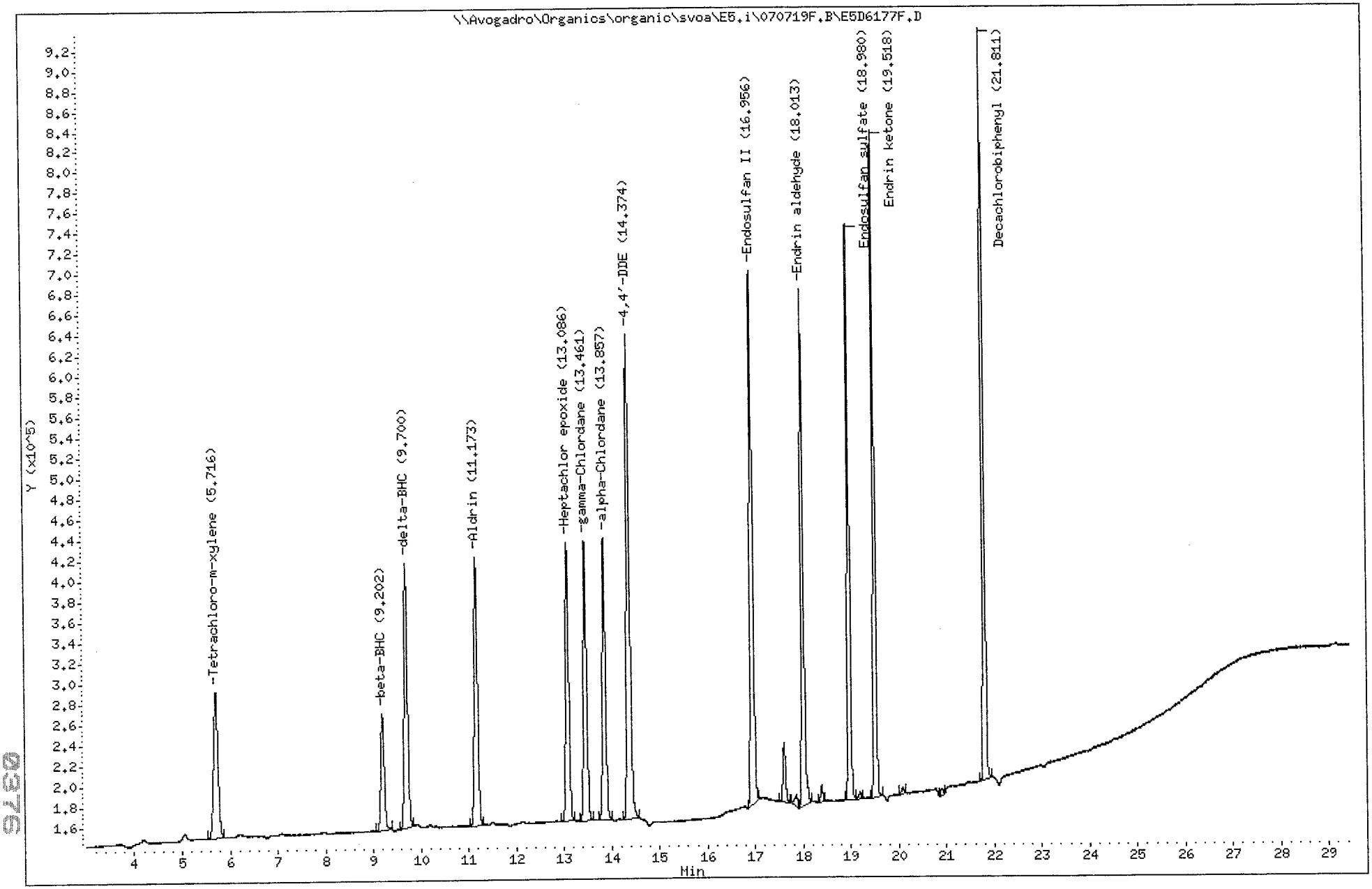
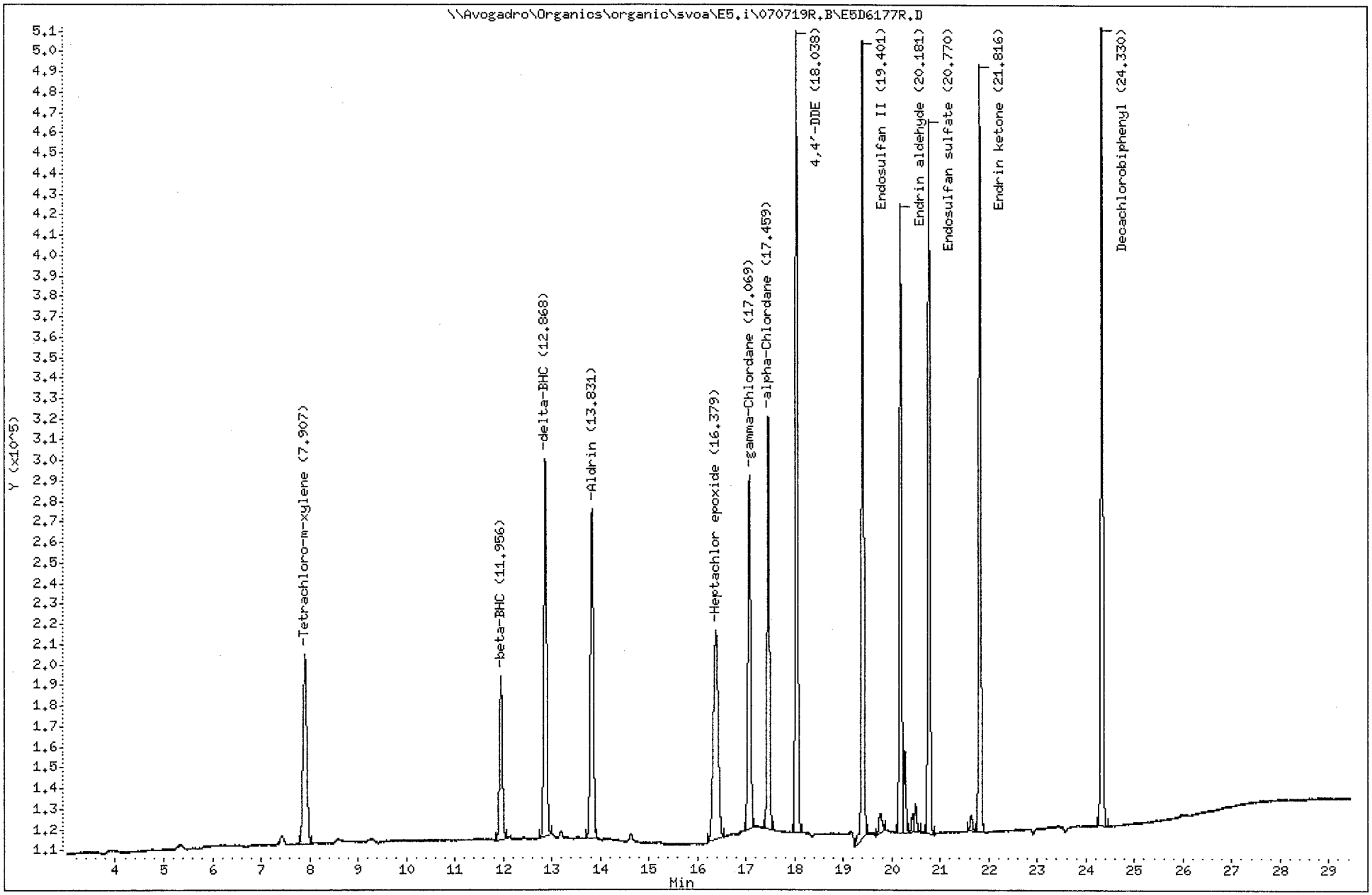
Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6177F.D
Date : 19-JUL-2007 21:34
Client ID: INDBLT5
Sample Info: INDBLT5,INDBLT5,,indb,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPEST

Instrument: E5.i
Operator: SZ SRC: SZ
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6177R.D
Date : 19-JUL-2007 21:34
Client ID: INDBLT5 Instrument: E5.i
Sample Info: INDBLT5,INDBLT5,,indb.sub,,
Volume Injected (uL): 1.0 Operator: SZ SRC: SZ
Column phase: CLPPESTII Column diameter: 0.53



Data File: E5D6177F.D
Report Date: 20-Jul-2007 10:05

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6177F.D
Lab Smp Id: INDBLT5 Client Smp ID: INDBLT5
Inj Date : 19-JUL-2007 21:34
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : INDBLT5,INDBLT5,,indb.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\clp-e5f.m
Meth Date : 20-Jul-2007 09:53 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 21:34 Cal File: E5D6177F.D
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.716	5.711	0.005	910527	0.00500	0.0050			(a)
6 Aldrin					CAS #: 309-00-2			
11.173	11.170	0.003	1271100	0.00500	0.0048			(a)
7 beta-BHC					CAS #: 319-85-7			
9.202	9.197	0.005	579400	0.00500	0.0051			(a)
8 delta-BHC					CAS #: 319-86-8			
9.700	9.699	0.001	1264740	0.00500	0.0046			(a)
9 Heptachlor epoxide					CAS #: 1024-57-3			
13.086	13.083	0.003	1239770	0.00500	0.0048			(a)
11 gamma-Chlordane					CAS #: 5103-74-2			
13.460	13.454	0.006	1236553	0.00500	0.0049			(a)
12 alpha-Chlordane					CAS #: 5103-71-9			
13.857	13.853	0.004	1253158	0.00500	0.0050			(a)

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Data File: E5D6177F.D
Report Date: 20-Jul-2007 10:05

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
13 4,4'-DDE						CAS #: 72-55-9		
14.373	14.370	0.003	2270399	0.01000	0.0092			(a)
17 Endosulfan II						CAS #: 33213-65-9		
16.956	16.949	0.007	2224269	0.01000	0.0096			(a)
19 Endrin aldehyde						CAS #: 7421-93-4		
18.013	18.007	0.006	1804799	0.01000	0.0098			(a)
20 Endosulfan sulfate						CAS #: 1031-07-8		
18.980	18.976	0.004	1872871	0.01000	0.0091			(a)
22 Endrin ketone						CAS #: 53494-70-5		
19.518	19.515	0.003	2091335	0.01000	0.0093			(a)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
21.811	21.810	0.001	2416622	0.01000	0.0099			(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

7/20/07

Data File: E5D6177R.D
Report Date: 20-Jul-2007 10:07

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6177R.D
Lab Smp Id: INDBLT5 Client Smp ID: INDBLT5
Inj Date : 19-JUL-2007 21:34
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : INDBLT5,INDBLT5,,indb.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\clp-e5r.m
Meth Date : 20-Jul-2007 09:55 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 11 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.907	7.903	0.004	490348	0.00500	0.0050		(a)
7 Aldrin					CAS #: 309-00-2		
13.830	13.828	0.002	702635	0.00500	0.0049		(a)
8 beta-BHC					CAS #: 319-85-7		
11.955	11.953	0.002	327090	0.00500	0.0052		(a)
9 delta-BHC					CAS #: 319-86-8		
12.868	12.863	0.005	732482	0.00500	0.0047		(a)
10 Heptachlor epoxide					CAS #: 1024-57-3		
16.378	16.376	0.002	711300	0.00500	0.0051		(a)
12 gamma-Chlordane					CAS #: 5103-74-2		
17.068	17.066	0.002	667046	0.00500	0.0050		(a)
13 alpha-Chlordane					CAS #: 5103-71-9		
17.458	17.456	0.002	671278	0.00500	0.0050		(a)

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Data File: E5D6177R.D
Report Date: 20-Jul-2007 10:07

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
14 4,4'-DDE					CAS #: 72-55-9			
18.038	18.038	0.000	1261182	0.01000	0.0095			(a)
18 Endosulfan II					CAS #: 33213-65-9			
19.401	19.399	0.002	1240997	0.01000	0.010			(a)
20 Endrin aldehyde					CAS #: 7421-93-4			
20.180	20.177	0.003	942408	0.01000	0.0098			(a)
21 Endosulfan sulfate					CAS #: 1031-07-8			
20.769	20.766	0.003	1066969	0.01000	0.0092			(a)
23 Endrin ketone					CAS #: 53494-70-5			
21.815	21.813	0.002	1120321	0.01000	0.0094			(a)
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3			
24.329	24.329	0.000	1230201	0.01000	0.010			(a)

QC Flag Legend

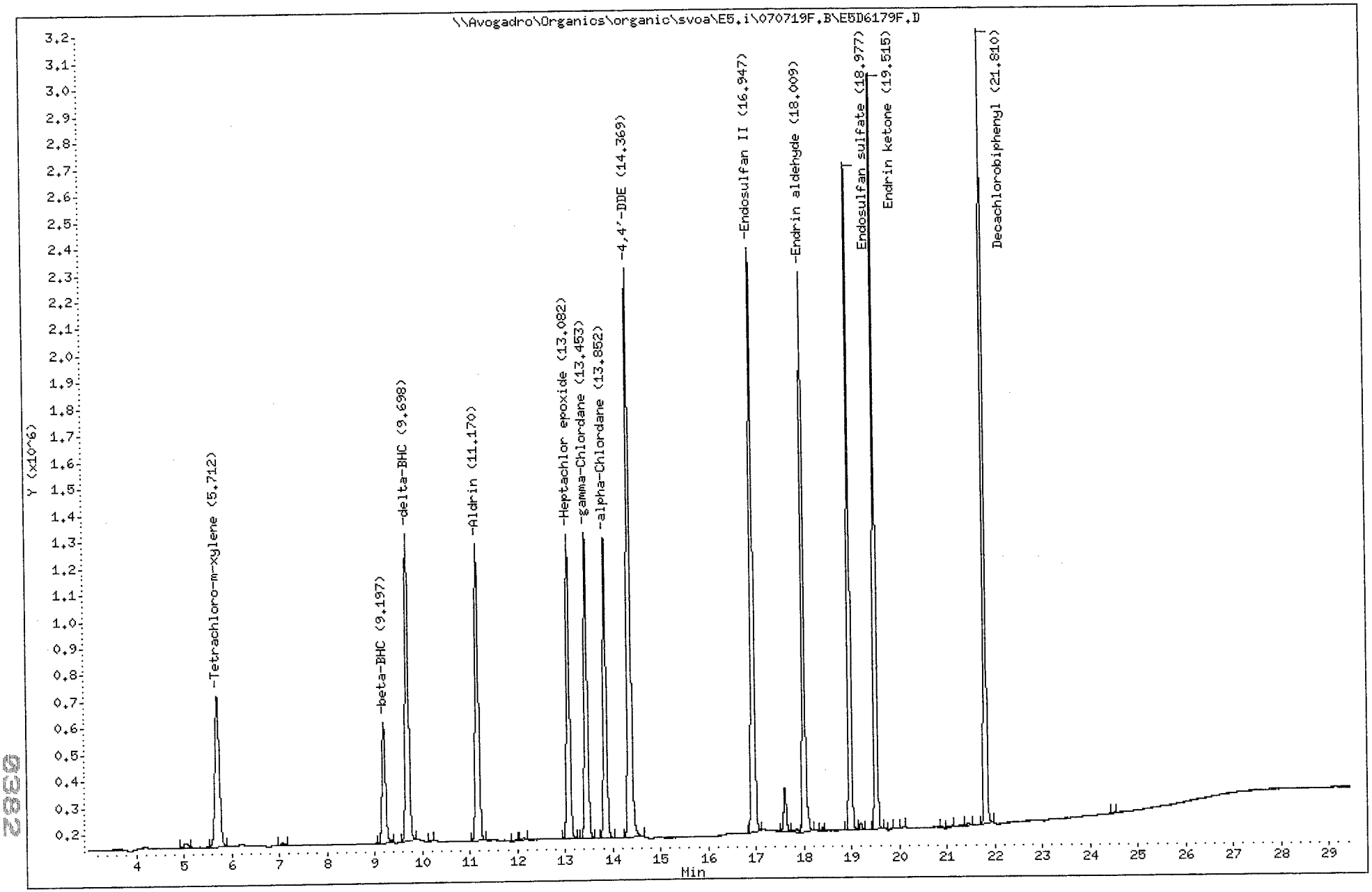
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

7/20/07

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6179F.D
Date : 19-JUL-2007 22:41
Client ID: INDBMT5
Sample Info: INDBMT5,INDBMT5,,indb.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPEST

Instrument: E5.i

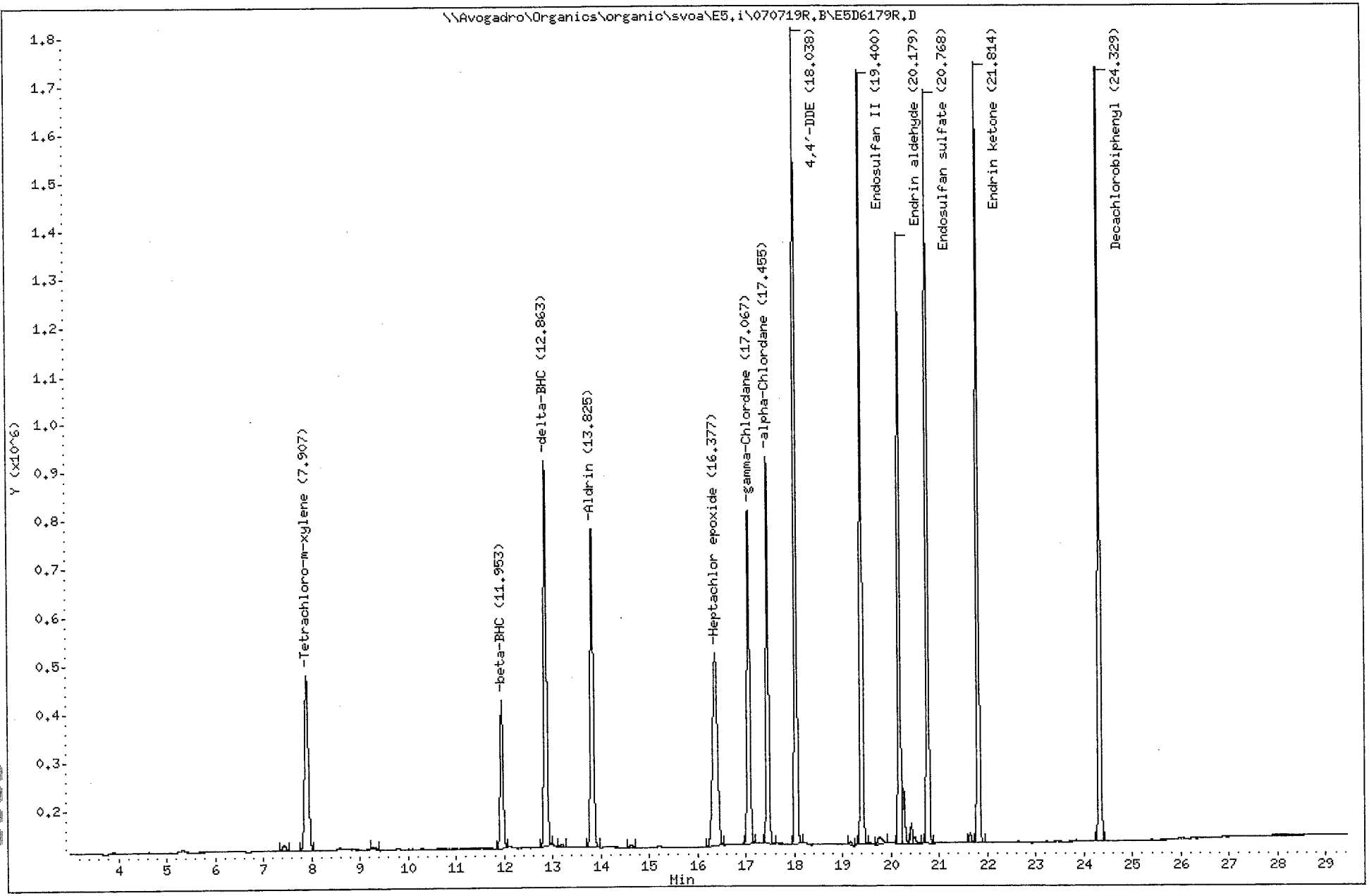
Operator: SZ SRC: SZ
Column diameter: 0.53



2869

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6179R.D
Date : 19-JUL-2007 22:41
Client ID: INDBMT5
Sample Info: INDBMT5,INDBMT5,,indb,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E5.i
Operator: SZ SRC: SZ
Column diameter: 0.53



E869

Data File: E5D6179F.D
Report Date: 20-Jul-2007 10:05

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6179F.D
Lab Smp Id: INDBMT5 Client Smp ID: INDBMT5
Inj Date : 19-JUL-2007 22:41
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : INDBMT5,INDBMT5,,indb.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\clp-e5f.m
Meth Date : 20-Jul-2007 09:53 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 22:41 Cal File: E5D6179F.D
Als bottle: 13 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.711	5.711	0.000	3591112	0.02000	0.020			(a)
6 Aldrin					CAS #: 309-00-2			
11.170	11.170	0.000	5349712	0.02000	0.020			(a)
7 beta-BHC					CAS #: 319-85-7			
9.196	9.197	-0.001	2281218	0.02000	0.020			(a)
8 delta-BHC					CAS #: 319-86-8			
9.698	9.699	-0.001	5514766	0.02000	0.020			(a)
9 Heptachlor epoxide					CAS #: 1024-57-3			
13.081	13.083	-0.002	5118710	0.02000	0.020			(a)
11 gamma-Chlordane					CAS #: 5103-74-2			
13.453	13.454	-0.001	5098980	0.02000	0.020			(a)
12 alpha-Chlordane					CAS #: 5103-71-9			
13.851	13.853	-0.002	5032943	0.02000	0.020			(a)

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Data File: E5D6179F.D
Report Date: 20-Jul-2007 10:05

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
13 4,4'-DDE					CAS #: 72-55-9			
14.369	14.370	-0.001	9832093	0.04000	0.040			(a)
17 Endosulfan II					CAS #: 33213-65-9			
16.946	16.949	-0.003	9257352	0.04000	0.040			(a)
19 Endrin aldehyde					CAS #: 7421-93-4			
18.009	18.007	0.002	7337829	0.04000	0.040			(a)
20 Endosulfan sulfate					CAS #: 1031-07-8			
18.976	18.976	0.000	8231168	0.04000	0.040			(a)
22 Endrin ketone					CAS #: 53494-70-5			
19.515	19.515	0.000	9023749	0.04000	0.040			(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
21.810	21.810	0.000	9658243	0.04000	0.040			(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

7/20/17

Data File: E5D6179R.D
Report Date: 20-Jul-2007 10:07

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6179R.D
Lab Smp Id: INDBMT5 Client Smp ID: INDBMT5
Inj Date : 19-JUL-2007 22:41
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : INDBMT5,INDBMT5,,indb.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\clp-e5r.m
Meth Date : 20-Jul-2007 09:55 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 13 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.906	7.903	0.003	1935187	0.02000	0.020			(a)
7 Aldrin					CAS #: 309-00-2			
13.825	13.828	-0.003	2862997	0.02000	0.020			(a)
8 beta-BHC					CAS #: 319-85-7			
11.952	11.953	-0.001	1269630	0.02000	0.020			(a)
9 delta-BHC					CAS #: 319-86-8			
12.863	12.863	0.000	3129191	0.02000	0.020			(a)
10 Heptachlor epoxide					CAS #: 1024-57-3			
16.376	16.376	0.000	2789067	0.02000	0.020			(a)
12 gamma-Chlordane					CAS #: 5103-74-2			
17.066	17.066	0.000	2673927	0.02000	0.020			(a)
13 alpha-Chlordane					CAS #: 5103-71-9			
17.455	17.456	-0.001	2659787	0.02000	0.020			(a)

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Data File: E5D6179R.D
Report Date: 20-Jul-2007 10:07

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
14 4,4'-DDE					CAS #: 72-55-9			
18.037	18.038	-0.001	5309263	0.04000	0.040			(a)
18 Endosulfan II					CAS #: 33213-65-9			
19.400	19.399	0.001	4926569	0.04000	0.040			(a)
20 Endrin aldehyde					CAS #: 7421-93-4			
20.179	20.177	0.002	3827227	0.04000	0.040			(a)
21 Endosulfan sulfate					CAS #: 1031-07-8			
20.767	20.766	0.001	4632466	0.04000	0.040			(a)
23 Endrin ketone					CAS #: 53494-70-5			
21.814	21.813	0.001	4771102	0.04000	0.040			(a)
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3			
24.329	24.329	0.000	4885152	0.04000	0.040			(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

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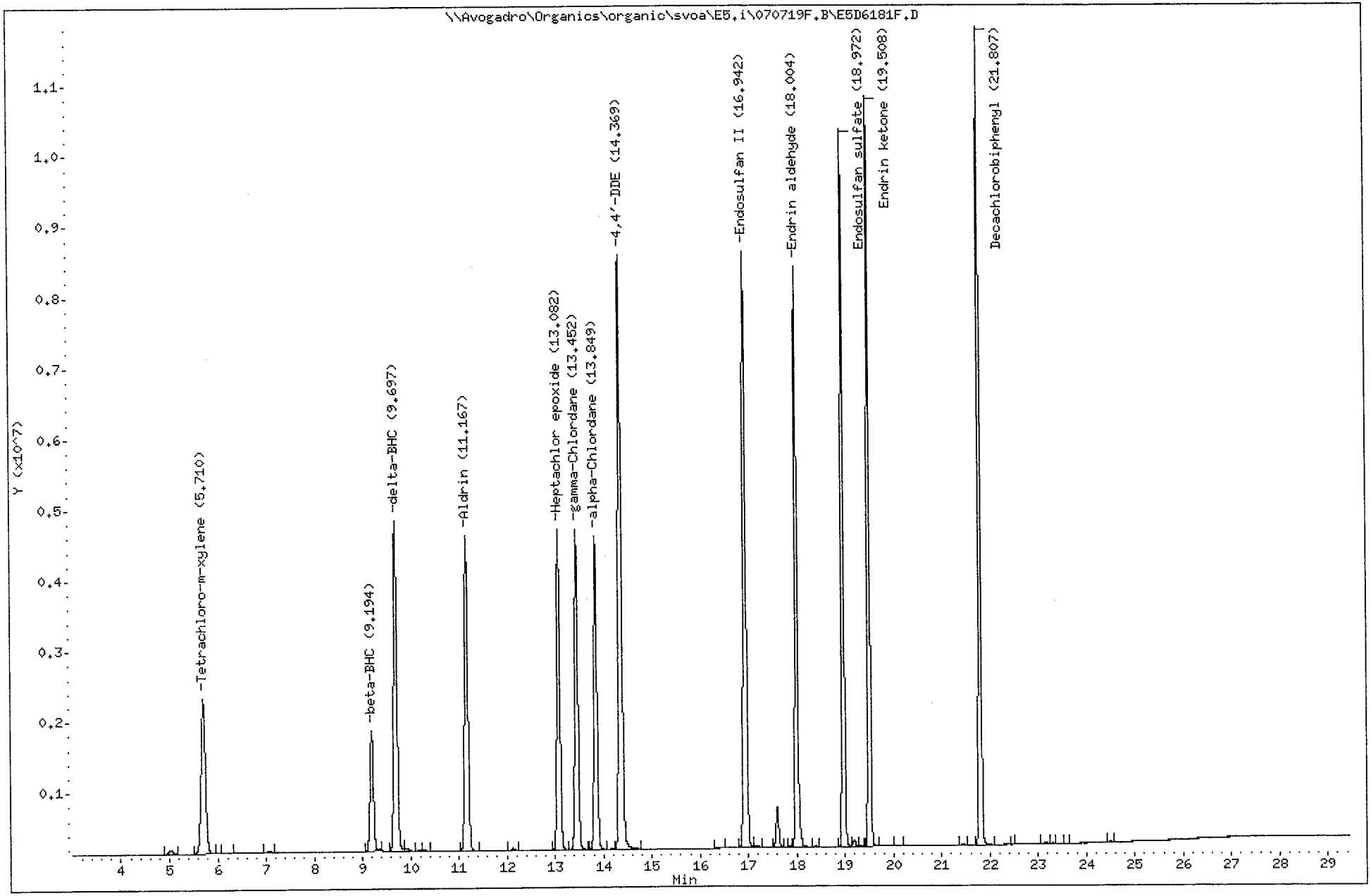
Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6181F.D
Date : 19-JUL-2007 23:47
Client ID: INDBHT5
Sample Info: INDBHT5,INDBHT5,,indb,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPEST

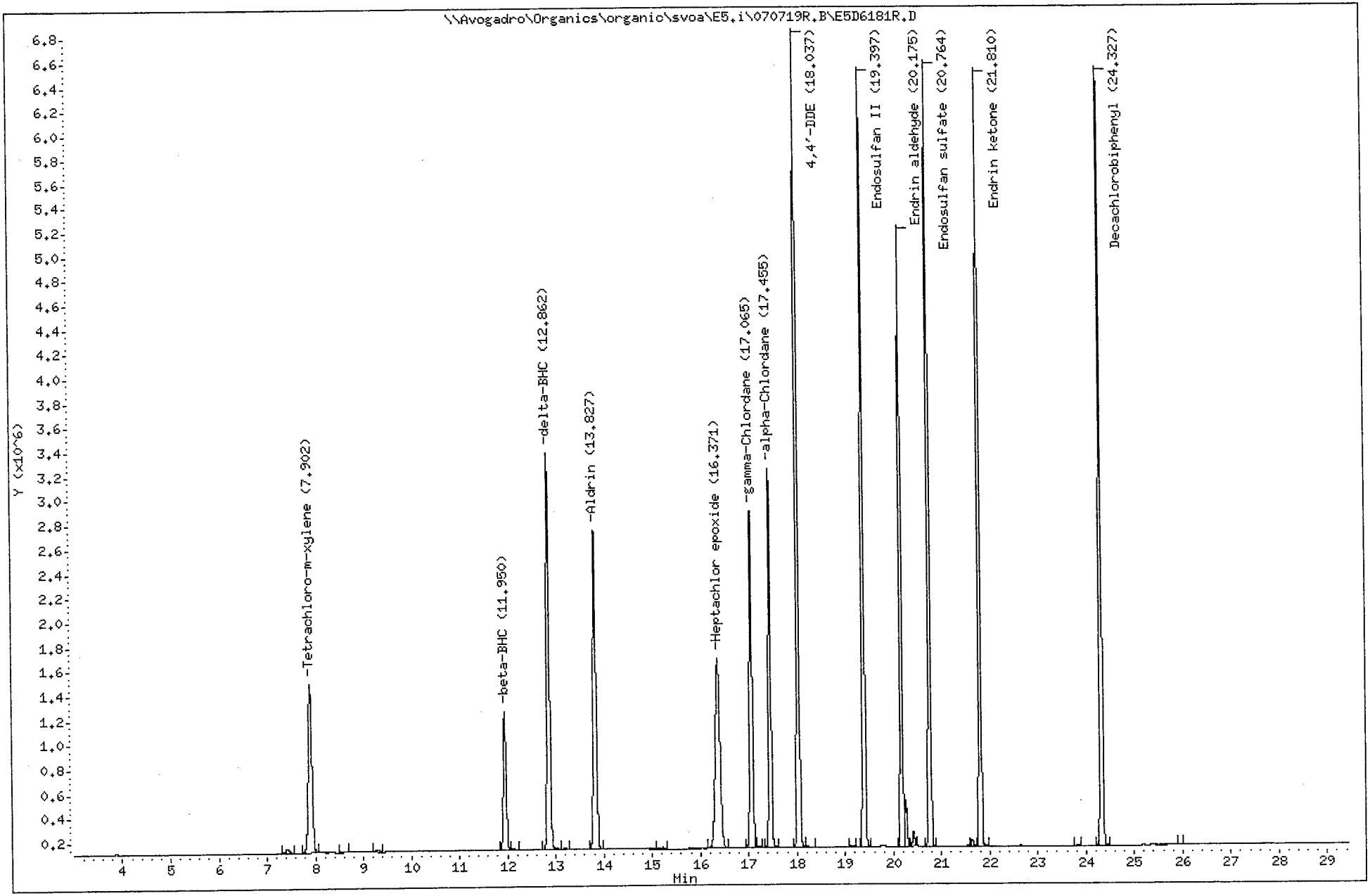
Instrument: E5.i

Operator: SZ SRC: SZ
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6181R.D
Date : 19-JUL-2007 23:47
Client ID: INDBHT5
Sample Info: INDBHT5,INDBHT5,,indb,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E5.i
Operator: SZ SRC: SZ
Column diameter: 0.53



Data File: E5D6181F.D
Report Date: 20-Jul-2007 10:05

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6181F.D
Lab Smp Id: INDBHT5 Client Smp ID: INDBHT5
Inj Date : 19-JUL-2007 23:47
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : INDBHT5,INDBHT5,,indb.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\clp-e5f.m
Meth Date : 20-Jul-2007 09:53 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 15 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.709	5.711	-0.002	13441164	0.08000	0.074			
6 Aldrin					CAS #: 309-00-2			
11.167	11.170	-0.003	21044570	0.08000	0.079			
7 beta-BHC					CAS #: 319-85-7			
9.194	9.197	-0.003	8244523	0.08000	0.072			
8 delta-BHC					CAS #: 319-86-8			
9.697	9.699	-0.002	22222984	0.08000	0.081			(A)
9 Heptachlor epoxide					CAS #: 1024-57-3			
13.081	13.083	-0.002	19792901	0.08000	0.077			
11 gamma-Chlordane					CAS #: 5103-74-2			
13.451	13.454	-0.003	19894812	0.08000	0.078			
12 alpha-Chlordane					CAS #: 5103-71-9			
13.849	13.853	-0.004	19193315	0.08000	0.076			

Data File: E5D6181F.D
Report Date: 20-Jul-2007 10:05

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
13 4,4'-DDE						CAS #: 72-55-9		
14.369	14.370	-0.001	38816509	0.16000	0.16			
17 Endosulfan II						CAS #: 33213-65-9		
16.942	16.949	-0.007	35675996	0.16000	0.15			
19 Endrin aldehyde						CAS #: 7421-93-4		
18.004	18.007	-0.003	28125451	0.16000	0.15			
20 Endosulfan sulfate						CAS #: 1031-07-8		
18.972	18.976	-0.004	32757829	0.16000	0.16			
22 Endrin ketone						CAS #: 53494-70-5		
19.508	19.515	-0.007	34139961	0.16000	0.15			
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
21.806	21.810	-0.004	37056792	0.16000	0.15			(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

7/20/07

Data File: E5D6181R.D
Report Date: 20-Jul-2007 10:07

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6181R.D
Lab Smp Id: INDBHT5 Client Smp ID: INDBHT5
Inj Date : 19-JUL-2007 23:47
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : INDBHT5,INDBHT5,,indb.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\clp-e5r.m
Meth Date : 20-Jul-2007 09:55 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 15 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.902	7.903	-0.001	7153930	0.08000	0.073			
7 Aldrin					CAS #: 309-00-2			
13.826	13.828	-0.002	11063365	0.08000	0.077			
8 beta-BHC					CAS #: 319-85-7			
11.949	11.953	-0.004	4637886	0.08000	0.073			
9 delta-BHC					CAS #: 319-86-8			
12.862	12.863	-0.001	12616219	0.08000	0.081			(A)
10 Heptachlor epoxide					CAS #: 1024-57-3			
16.370	16.376	-0.006	10503001	0.08000	0.075			
12 gamma-Chlordane					CAS #: 5103-74-2			
17.064	17.066	-0.002	10461663	0.08000	0.078			
13 alpha-Chlordane					CAS #: 5103-71-9			
17.454	17.456	-0.002	10162889	0.08000	0.076			

Data File: E5D6181R.D
Report Date: 20-Jul-2007 10:07

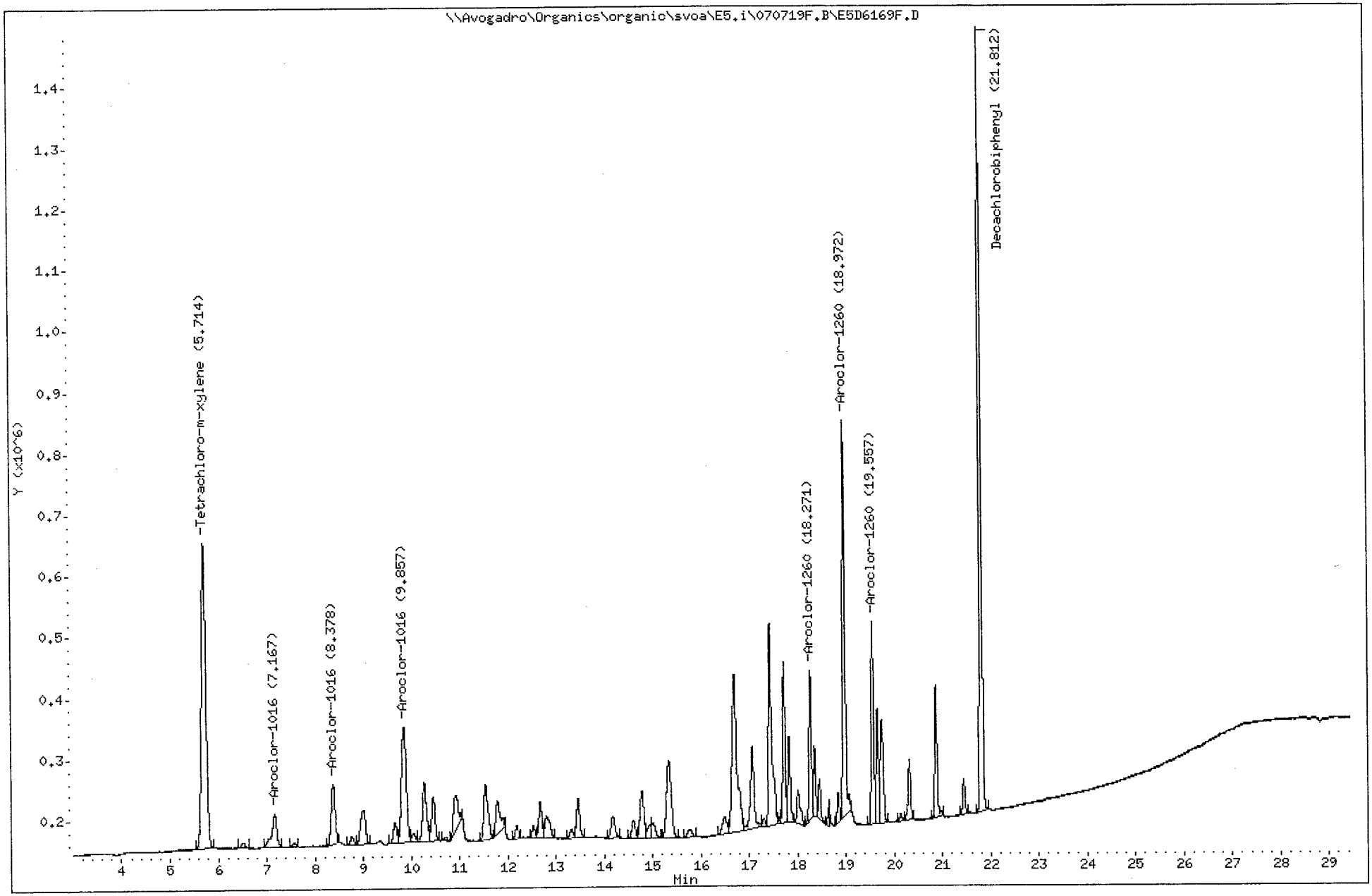
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
14 4,4'-DDE					CAS #: 72-55-9			
18.036	18.038	-0.002	21020691	0.16000	0.16			
18 Endosulfan II					CAS #: 33213-65-9			
19.396	19.399	-0.003	19111547	0.16000	0.16			
20 Endrin aldehyde					CAS #: 7421-93-4			
20.174	20.177	-0.003	14911349	0.16000	0.16			
21 Endosulfan sulfate					CAS #: 1031-07-8			
20.764	20.766	-0.002	18663815	0.16000	0.16			(A)
23 Endrin ketone					CAS #: 53494-70-5			
21.809	21.813	-0.004	18349750	0.16000	0.15			(A)
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3			
24.326	24.329	-0.003	19255785	0.16000	0.16			(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6169F.D
Date : 19-JUL-2007 17:10
Client ID: AR1660T5
Sample Info: AR1660T5,AR1660T5,,ar1660.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPEST

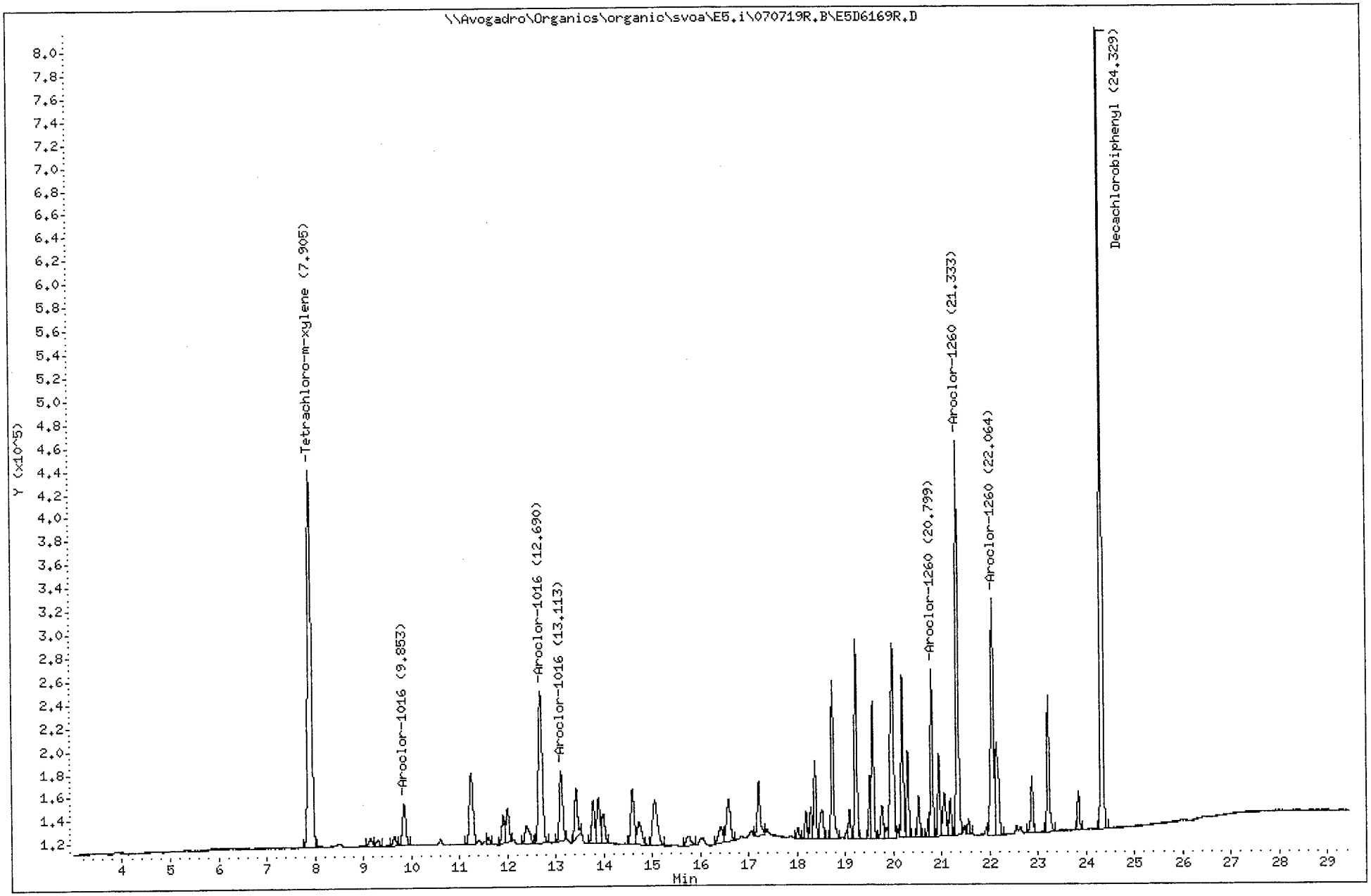
Instrument: E5.i
Operator: SZ SRC: SZ
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6169R.D
Date : 19-JUL-2007 17:10
Client ID: AR1660T5
Sample Info: AR1660T5,AR1660T5,,ar1660,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E5.i

Operator: SZ SRC: SZ
Column diameter: 0.53



Data File: E5D6169F.D
Report Date: 20-Jul-2007 10:05

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6169F.D
Lab Smp Id: AR1660T5 Client Smp ID: AR1660T5
Inj Date : 19-JUL-2007 17:10
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : AR1660T5,AR1660T5,,ar1660.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\clp-e5f.m
Meth Date : 20-Jul-2007 09:53 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 17:10 Cal File: E5D6169F.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1660.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.714	5.711	0.003	3209494	0.00500	0.018			(a)
23 Aroclor-1016					CAS #: 12674-11-2			
7.166	7.167	-0.001	409987	0.10000	0.10	80.00- 120.00	100.00	(a)
8.378	8.378	0.000	566324	0.10000	0.10	118.13- 158.13	138.13	
9.856	9.857	-0.001	1337683	0.10000	0.10	306.27- 346.27	326.27	
		Average of Peak Amounts =			0.10000			
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
21.812	21.810	0.002	4227956	0.01000	0.017			(a)
29 Aroclor-1260					CAS #: 11096-82-5			
18.270	18.270	0.000	831735	0.10000	0.10	80.00- 120.00	100.00	(a)
18.971	18.971	0.000	2279418	0.10000	0.10	254.06- 294.06	274.06	
19.557	19.557	0.000	1129755	0.10000	0.10	115.83- 155.83	135.83	
		Average of Peak Amounts =			0.10000			

7/24/07

Data File: E5D6169F.D
Report Date: 20-Jul-2007 10:05

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

7/20/07

Data File: E5D6169R.D
Report Date: 20-Jul-2007 10:06

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6169R.D
Lab Smp Id: AR1660T5 Client Smp ID: AR1660T5
Inj Date : 19-JUL-2007 17:10
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : AR1660T5,AR1660T5,,ar1660.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\clp-e5r.m
Meth Date : 20-Jul-2007 09:55 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1660.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

			AMOUNTS					
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.904	7.903	0.001	1722669	0.00500	0.018			(a)
24 Aroclor-1016					CAS #: 12674-11-2			
9.853	9.852	0.001	176930	0.10000	0.10	80.00- 120.00	100.00	(a)
12.689	12.689	0.000	729080	0.10000	0.10	392.07- 432.07	412.07	
13.113	13.112	0.001	276490	0.10000	0.10	136.27- 176.27	156.27	
		Average of Peak Amounts =			0.10000			
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3			
24.329	24.329	0.000	2139411	0.01000	0.018			(a)
30 Aroclor-1260					CAS #: 11096-82-5			
20.799	20.799	0.000	453270	0.10000	0.10	80.00- 120.00	100.00	(a)
21.333	21.332	0.001	1090047	0.10000	0.10	220.49- 260.49	240.49	
22.064	22.063	0.001	805120	0.10000	0.10	157.62- 197.62	177.62	
		Average of Peak Amounts =			0.10000			

kp 7/24/07

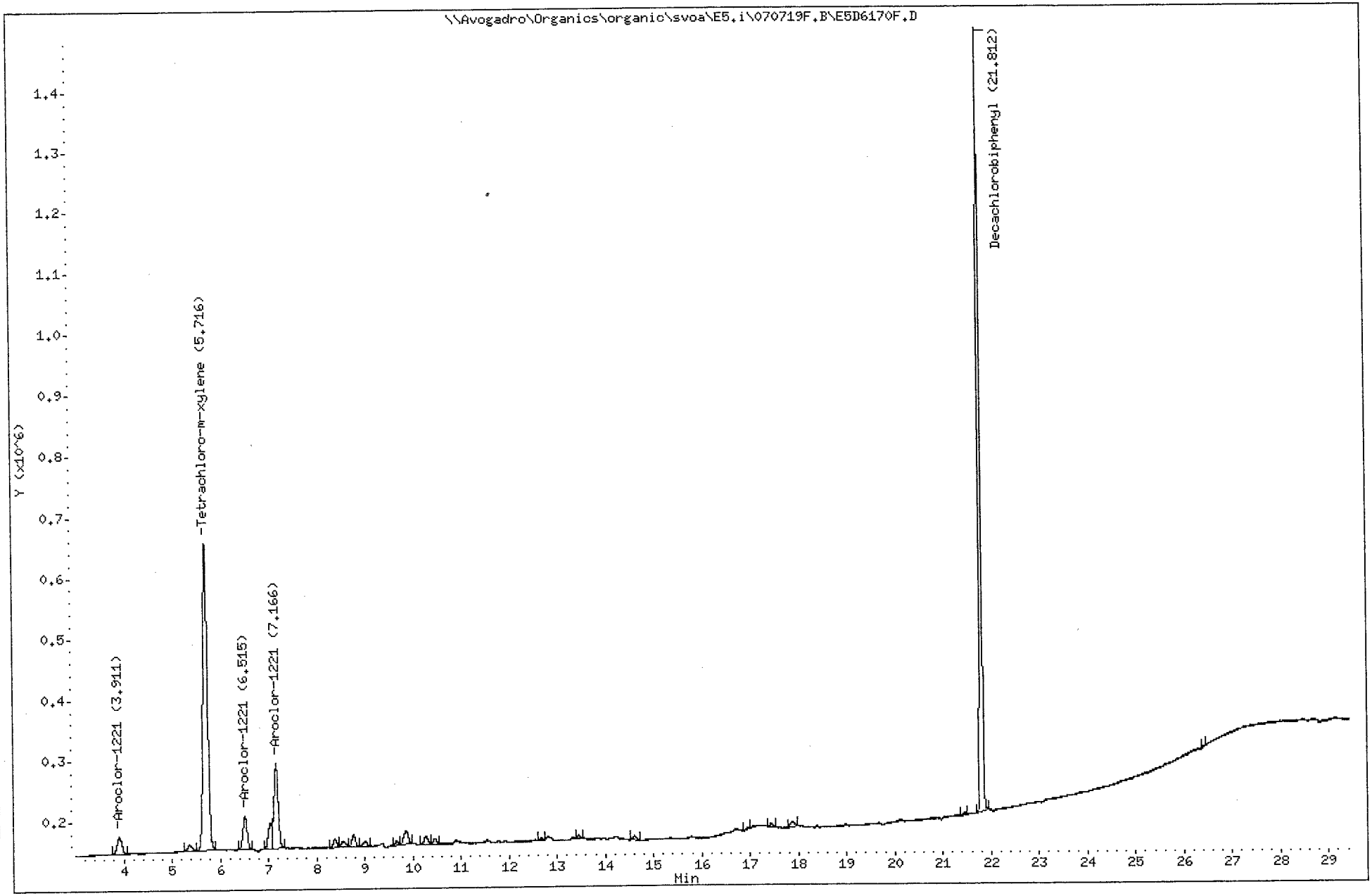
Data File: E5D6169R.D
Report Date: 20-Jul-2007 10:06

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

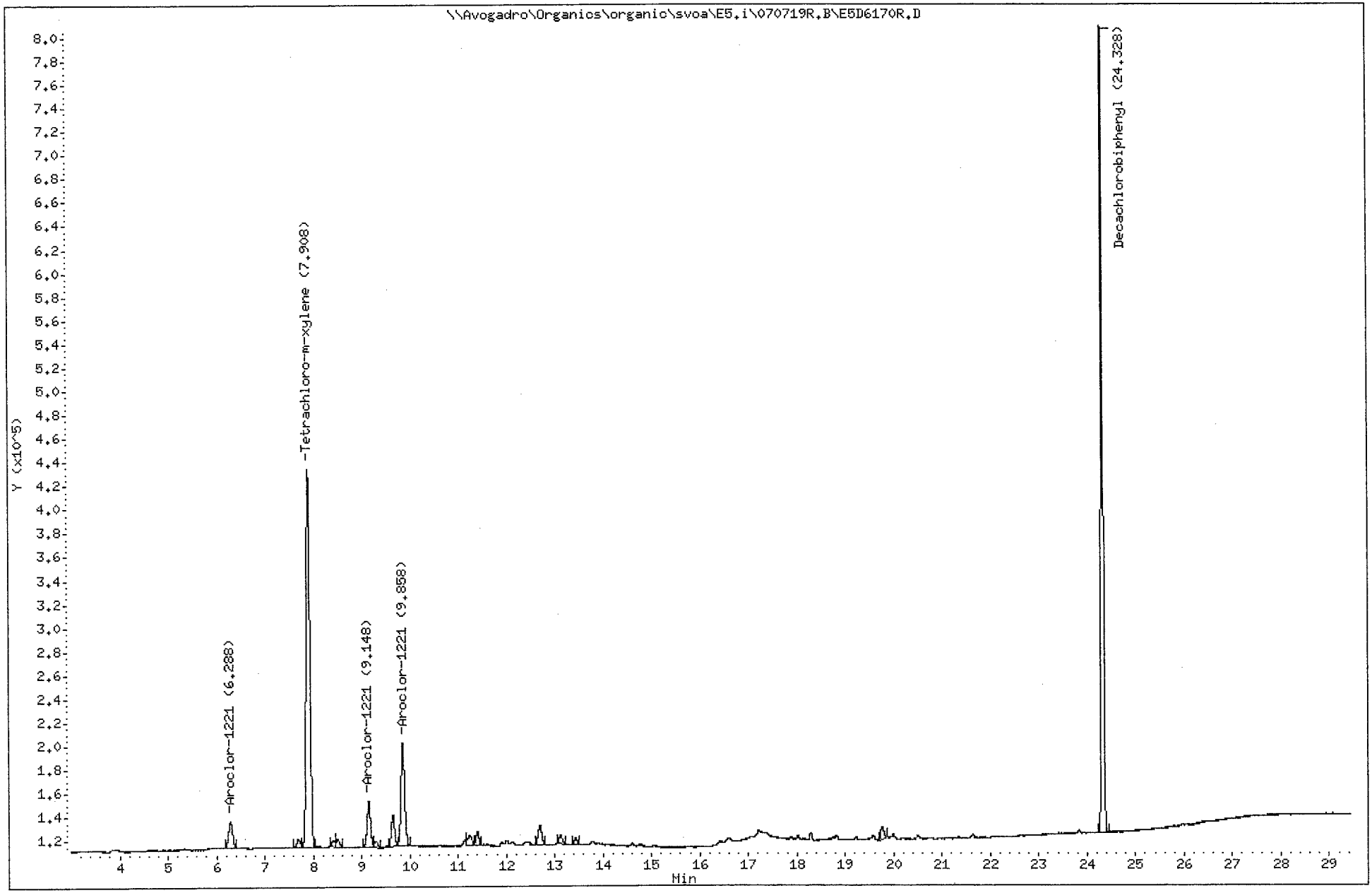
Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6170F.D
Date : 19-JUL-2007 17:43
Client ID: AR1221T5
Sample Info: AR1221T5,AR1221T5,,ar1221,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPEST

Instrument: E5.i
Operator: SZ SRC: SZ
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6170R.D
Date : 19-JUL-2007 17:43
Client ID: AR1221T5
Sample Info: AR1221T5,AR1221T5,,ar1221.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E5.i
Operator: SZ SRC: SZ
Column diameter: 0.53



Data File: E5D6170F.D
Report Date: 20-Jul-2007 10:05

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6170F.D
Lab Smp Id: AR1221T5 Client Smp ID: AR1221T5
Inj Date : 19-JUL-2007 17:43
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : AR1221T5,AR1221T5,,ar1221.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\clp-e5f.m
Meth Date : 20-Jul-2007 09:53 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 17:43 Cal File: E5D6170F.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1221.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.715	5.711	0.004	3250697	0.00500	0.018			(a)
24 Aroclor-1221					CAS #: 11104-28-2			
3.910	3.910	0.000	205845	0.20000	0.20	80.00- 120.00	100.00	(a)
6.515	6.515	0.000	341361	0.20000	0.20	145.83- 185.83	165.83	
7.165	7.166	-0.001	865258	0.20000	0.20	400.34- 440.34	420.34	
Average of Peak Amounts =				0.20000				
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
21.811	21.810	0.001	4252605	0.01000	0.017			(a)

7/20/07

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E5D6170R.D
Report Date: 20-Jul-2007 10:06

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6170R.D
Lab Smp Id: AR1221T5 Client Smp ID: AR1221T5
Inj Date : 19-JUL-2007 17:43
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : AR1221T5,AR1221T5,,ar1221.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\clp-e5r.m
Meth Date : 20-Jul-2007 09:55 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1221.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.908	7.903	0.005	1702086	0.00500	0.017			(a)
25 Aroclor-1221					CAS #: 11104-28-2			
6.287	6.288	-0.001	130492	0.20000	0.20	80.00- 120.00	100.00	(a)
9.148	9.148	0.000	193663	0.20000	0.20	128.41- 168.41	148.41	
9.858	9.858	0.000	464588	0.20000	0.20	336.03- 376.03	356.03	
		Average of Peak Amounts =		0.20000				
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3			
24.328	24.329	-0.001	2151974	0.01000	0.018			(a)

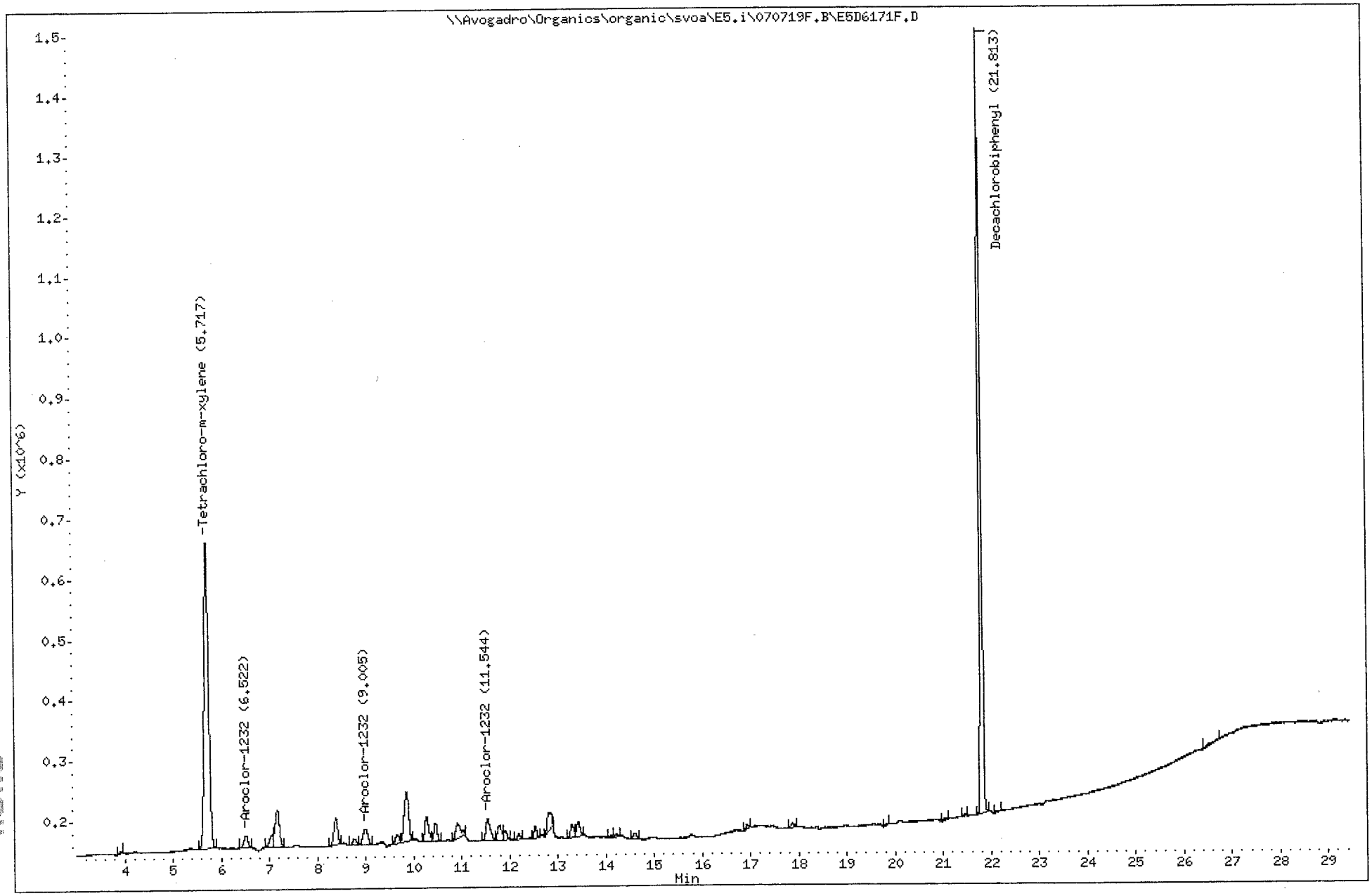
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

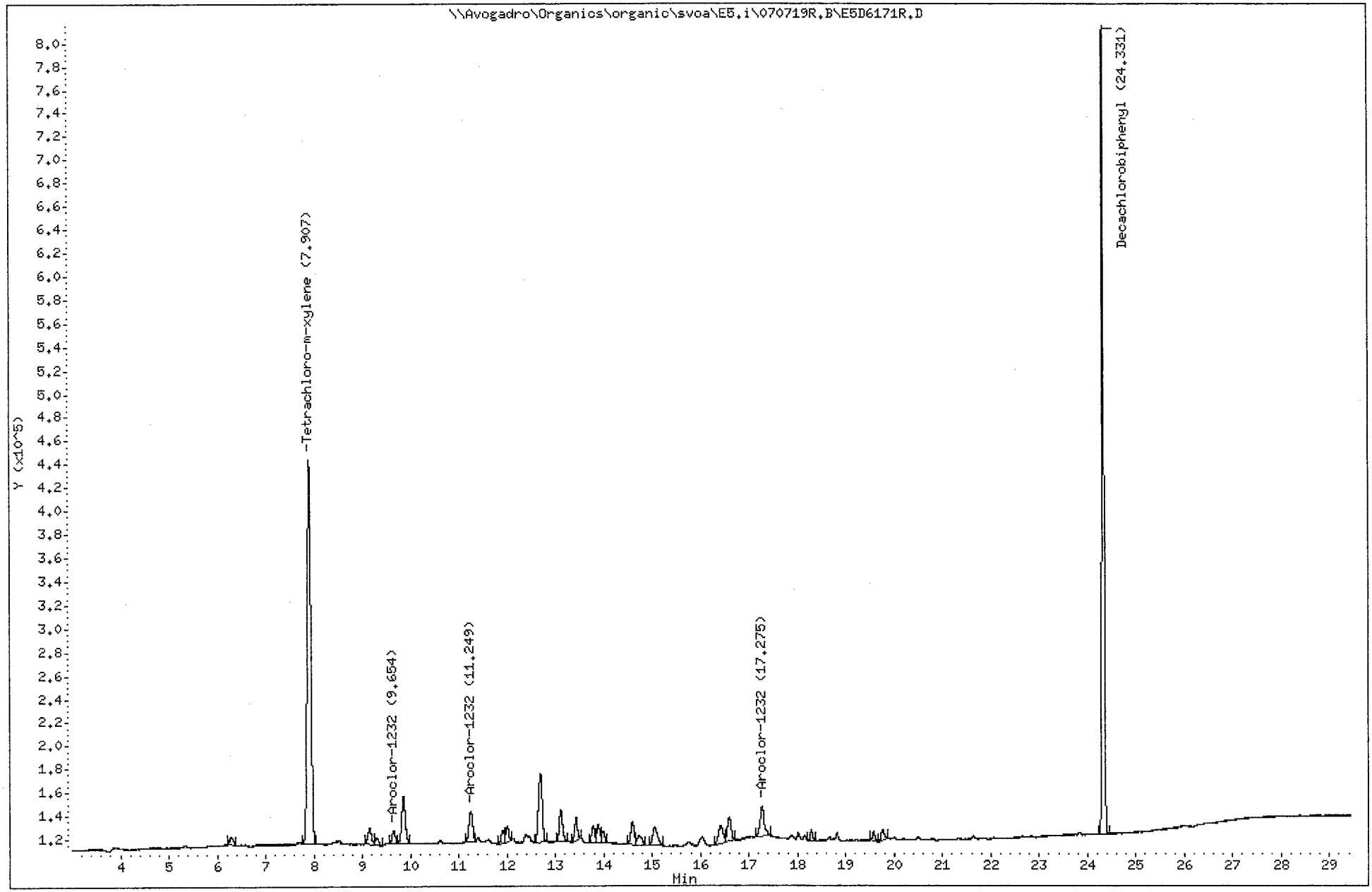
Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6171F.D
Date : 19-JUL-2007 18:16
Client ID: AR1232T5
Sample Info: AR1232T5,AR1232T5,,ar1232.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPEST

Instrument: E5.i

Operator: SZ SRC: SZ
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6171R.D
Date : 19-JUL-2007 18:16
Client ID: AR1232T5
Instrument: E5.i
Sample Info: AR1232T5,AR1232T5,,ar1232.sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPESTII
Column diameter: 0.53



Data File: E5D6171F.D
Report Date: 20-Jul-2007 10:05

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6171F.D
Lab Smp Id: AR1232T5 Client Smp ID: AR1232T5
Inj Date : 19-JUL-2007 18:16
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : AR1232T5,AR1232T5,,ar1232.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\clp-e5f.m
Meth Date : 20-Jul-2007 09:53 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 18:16 Cal File: E5D6171F.D
Als bottle: 5 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1232.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.716	5.711	0.005	3255373	0.00500	0.018			(a)
25 Aroclor-1232					CAS #: 11141-16-5			
6.521	6.521	0.000	117166	0.10000	0.10	80.00- 120.00	100.00	(a)
9.005	9.005	0.000	184547	0.10000	0.10	137.51- 177.51	157.51	
11.544	11.543	0.001	237359	0.10000	0.10	182.58- 222.58	202.58	
Average of Peak Amounts =					0.10000			
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
21.812	21.810	0.002	4253125	0.01000	0.017			(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E5D6171R.D
Report Date: 20-Jul-2007 10:06

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6171R.D
Lab Smp Id: AR1232T5 Client Smp ID: AR1232T5
Inj Date : 19-JUL-2007 18:16
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : AR1232T5,AR1232T5,,ar1232.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\clp-e5r.m
Meth Date : 20-Jul-2007 09:55 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 5 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1232.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

			AMOUNTS					
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.906	7.903	0.003	1733060	0.00500	0.018			(a)
26 Aroclor-1232					CAS #: 11141-16-5			
9.654	9.653	0.001	49140	0.10000	0.10	80.00- 120.00	100.00	(a)
11.248	11.248	0.000	139643	0.10000	0.10	264.17- 304.17	284.17	
17.275	17.275	0.000	155845	0.10000	0.10	297.14- 337.14	317.14	
		Average of Peak Amounts =			0.10000			
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3			
24.331	24.329	0.002	2147806	0.01000	0.018			(a)

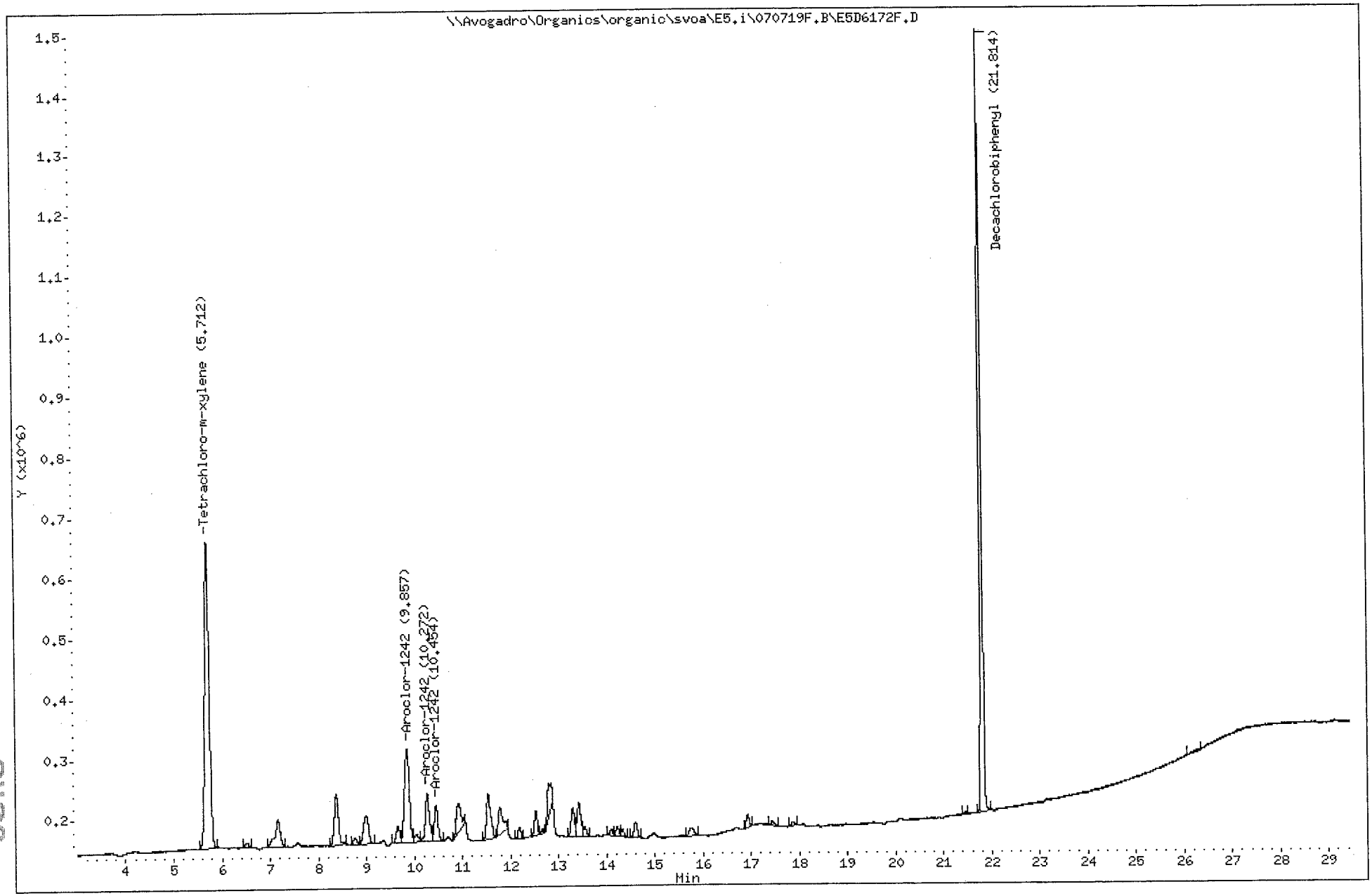
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

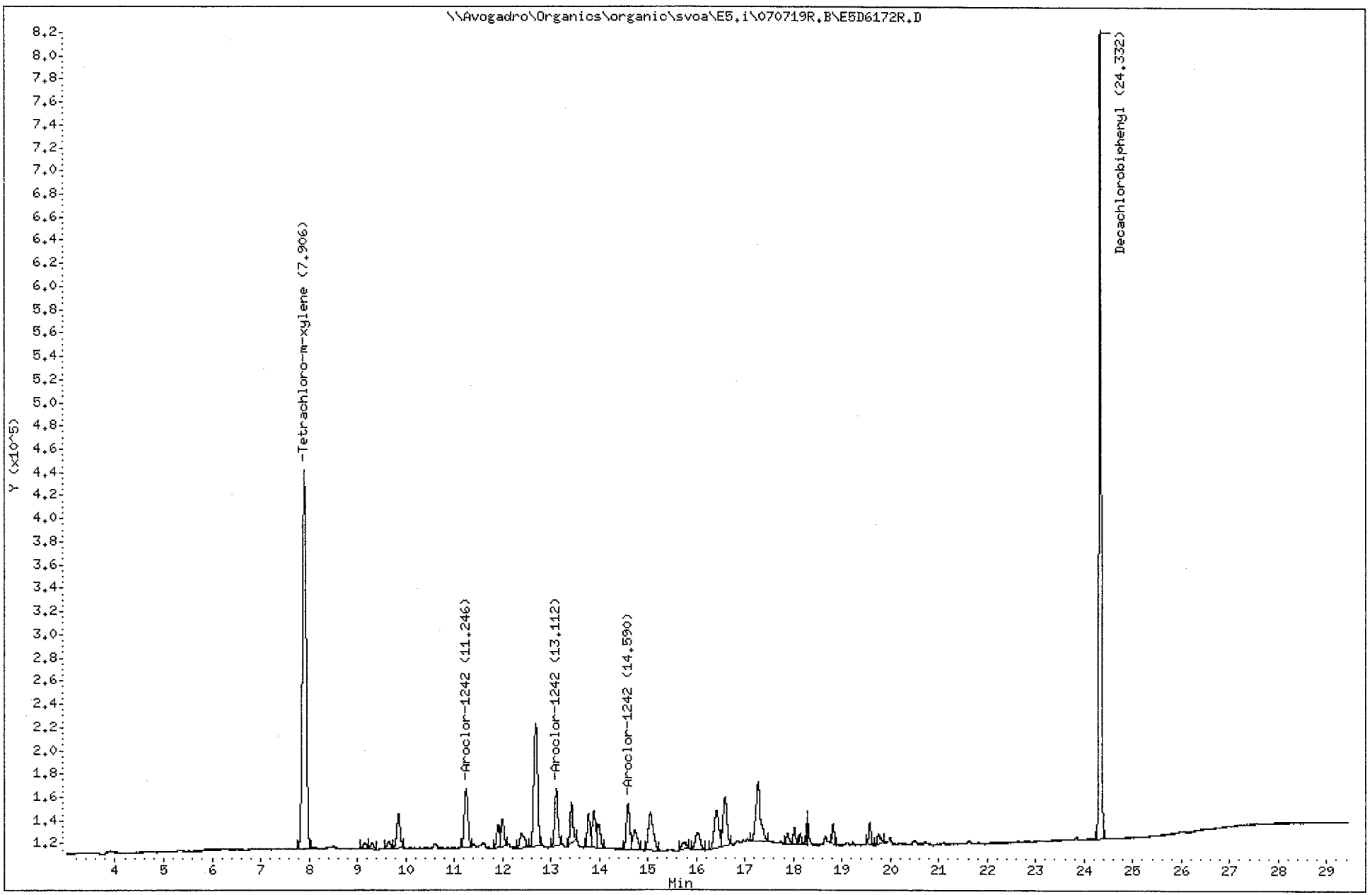
Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6172F.D
Date : 19-JUL-2007 18:49
Client ID: AR1242T5
Sample Info: AR1242T5,AR1242T5,,ar1242.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPEST

Instrument: E5.i

Operator: SZ SRC: SZ
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6172R.D
Date : 19-JUL-2007 18:49
Client ID: AR1242T5
Instrument: E5.i
Sample Info: AR1242T5,AR1242T5,,ar1242,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPESTII
Column diameter: 0.53



6959

Data File: E5D6172F.D
Report Date: 20-Jul-2007 10:05

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6172F.D
Lab Smp Id: AR1242T5 Client Smp ID: AR1242T5
Inj Date : 19-JUL-2007 18:49
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : AR1242T5,AR1242T5,,ar1242.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\clp-e5f.m
Meth Date : 20-Jul-2007 09:53 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 18:49 Cal File: E5D6172F.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1242.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.711	5.711	0.000	3248562	0.00500	0.018			(a)
26 Aroclor-1242					CAS #: 53469-21-9			
9.857	9.857	0.000	1099693	0.10000	0.10	80.00- 120.00	100.00	(a)
10.271	10.271	0.000	480125	0.10000	0.10	23.66- 63.66	43.66	
10.454	10.453	0.001	293075	0.10000	0.10	6.65- 46.65	26.65	
		Average of Peak Amounts =			0.10000			
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
21.814	21.810	0.004	4288938	0.01000	0.018			(a)

7/20/07

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E5D6172R.D
Report Date: 20-Jul-2007 10:06

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6172R.D
Lab Smp Id: AR1242T5 Client Smp ID: AR1242T5
Inj Date : 19-JUL-2007 18:49
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : AR1242T5,AR1242T5,,ar1242.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\clp-e5r.m
Meth Date : 20-Jul-2007 09:55 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1242.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.905	7.903	0.002	1739094	0.00500	0.018			(a)
27 Aroclor-1242					CAS #: 53469-21-9			
11.245	11.246	-0.001	267750	0.10000	0.10	80.00- 120.00	100.00	(a)
13.112	13.112	0.000	225521	0.10000	0.10	64.23- 104.23	84.23	
14.589	14.589	0.000	194882	0.10000	0.10	52.79- 92.79	72.79	
Average of Peak Amounts =				0.10000				
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3			
24.331	24.329	0.002	2167853	0.01000	0.018			(a)

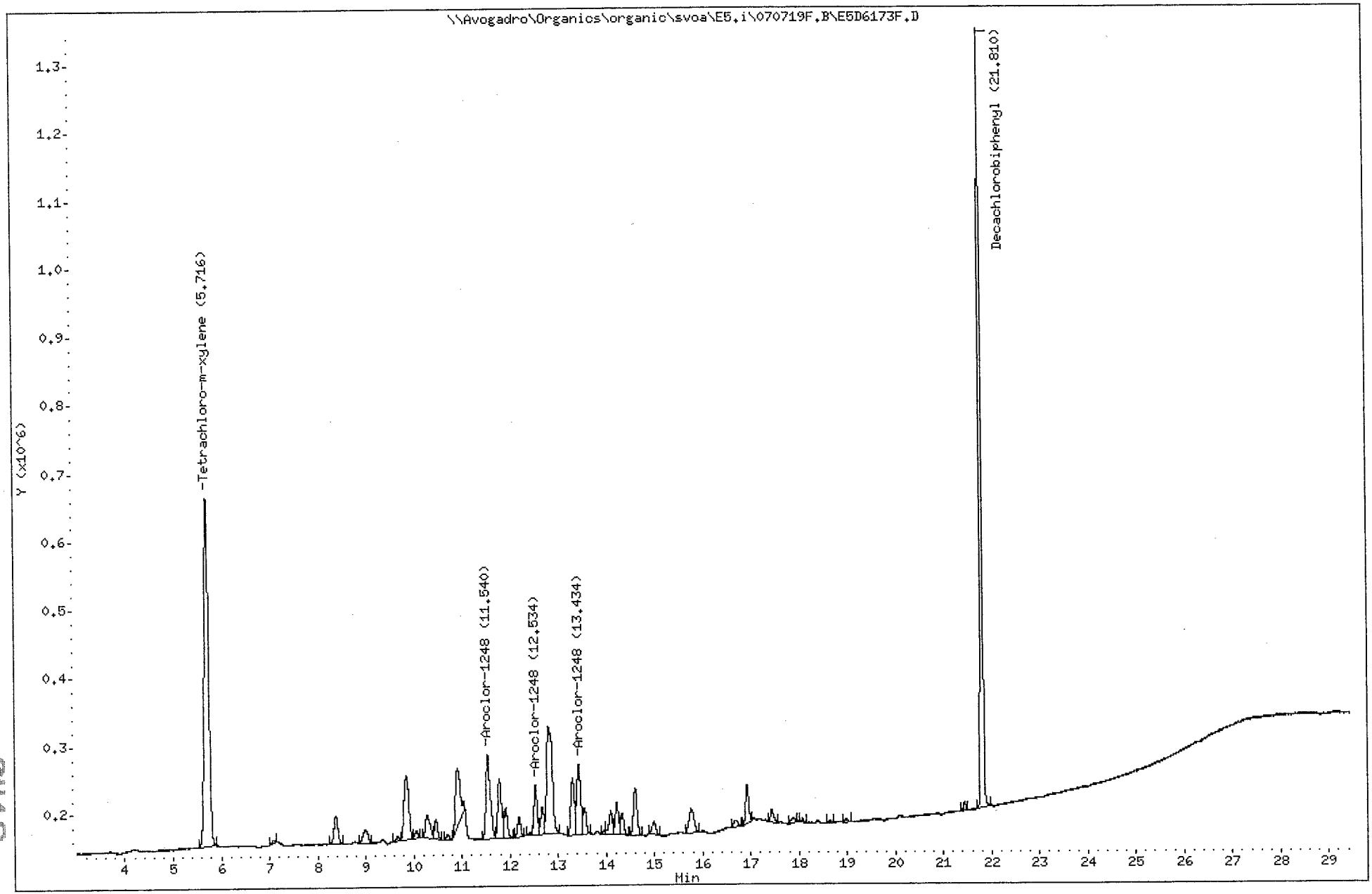
7/20/07

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6173F.D
Date : 19-JUL-2007 19:22
Client ID: AR1248T5
Sample Info: AR1248T5,AR1248T5,,ar1248,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPEST

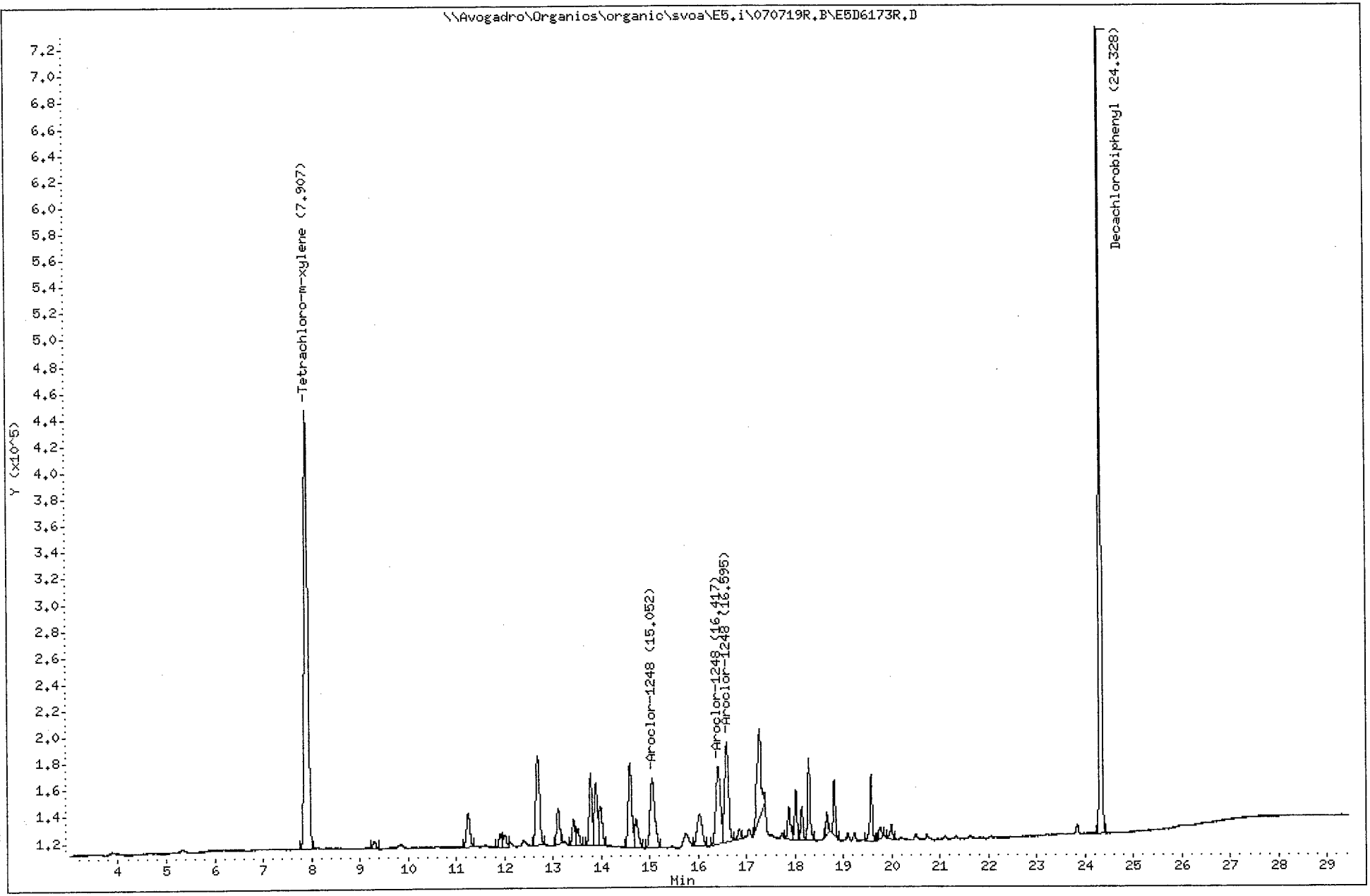
Instrument: E5.i
Operator: SZ SRC: SZ
Column diameter: 0.53



2-15-9

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6173R.D
Date : 19-JUL-2007 19:22
Client ID: AR1248T5
Sample Info: AR1248T5,AR1248T5,,ar1248.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E5.i
Operator: SZ SRC: SZ
Column diameter: 0.53



Data File: E5D6173F.D
Report Date: 20-Jul-2007 10:05

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6173F.D
Lab Smp Id: AR1248T5 Client Smp ID: AR1248T5
Inj Date : 19-JUL-2007 19:22
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : AR1248T5,AR1248T5,,ar1248.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\clp-e5f.m
Meth Date : 20-Jul-2007 09:53 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 19:22 Cal File: E5D6173F.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1248.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.715	5.711	0.004	3266192	0.00500	0.018			(a)
27 Aroclor-1248					CAS #: 12672-29-6			
11.539	11.539	0.000	766383	0.10000	0.10	80.00- 120.00	100.00	(a)
12.534	12.533	0.001	333752	0.10000	0.10	23.55- 63.55	43.55	
13.434	13.433	0.001	593066	0.10000	0.10	57.39- 97.39	77.39	
		Average of Peak Amounts =			0.10000			
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
21.809	21.810	-0.001	3753164	0.01000	0.015			(a)

ko 7/20/07

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E5D6173R.D
Report Date: 20-Jul-2007 10:06

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6173R.D
Lab Smp Id: AR1248T5 Client Smp ID: AR1248T5
Inj Date : 19-JUL-2007 19:22
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : AR1248T5,AR1248T5,,ar1248.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\clp-e5r.m
Meth Date : 20-Jul-2007 09:55 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 7 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1248.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

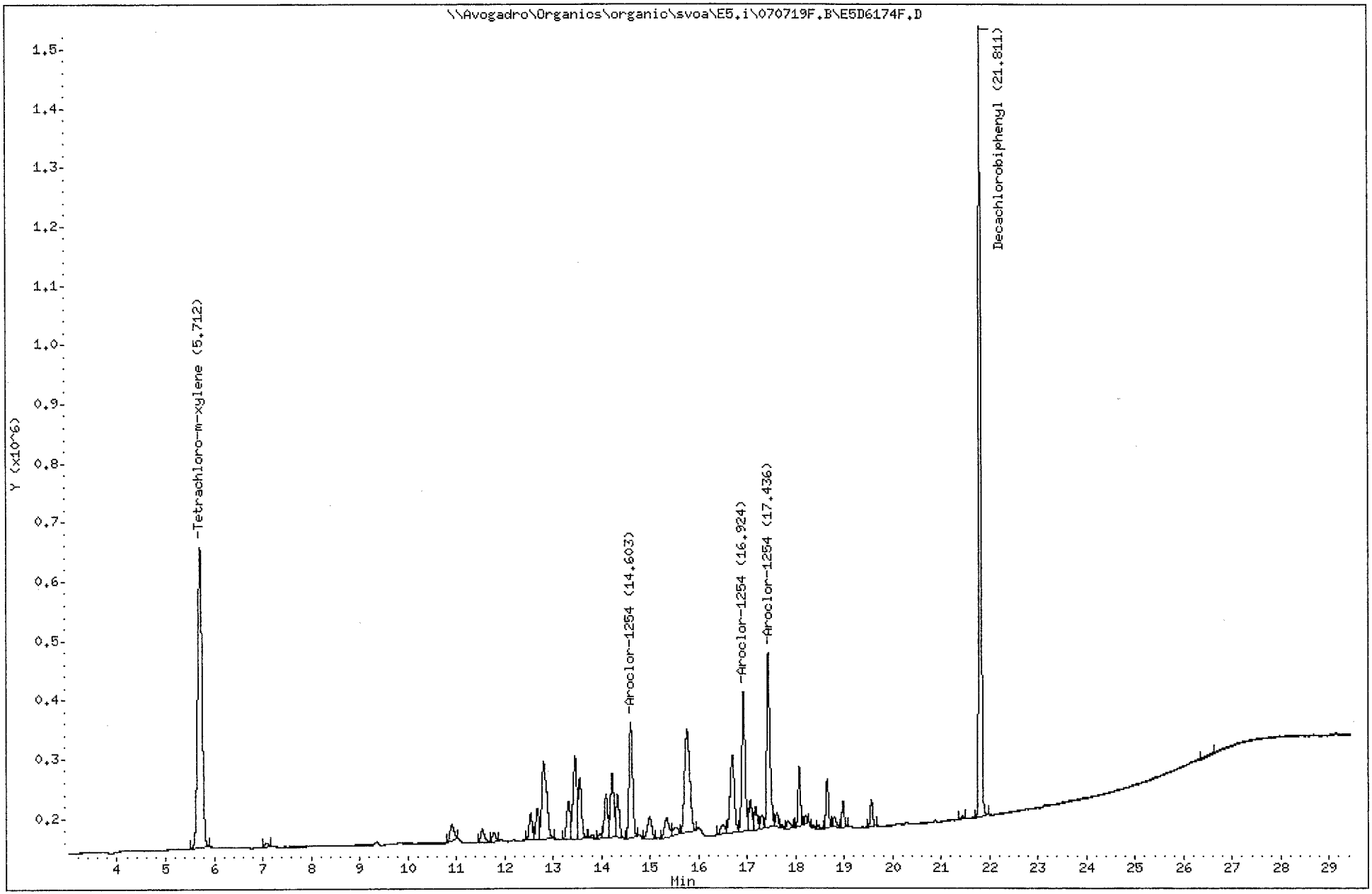
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.906	7.903	0.003	1762347	0.00500	0.018			(a)
28 Aroclor-1248					CAS #: 12672-29-6			
15.052	15.051	0.001	353913	0.10000	0.10	80.00- 120.00	100.00	(a)
16.417	16.417	0.000	388818	0.10000	0.10	89.86- 129.86	109.86	
16.594	16.594	0.000	442080	0.10000	0.10	104.91- 144.91	124.91	
Average of Peak Amounts =					0.10000			
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3			
24.328	24.329	-0.001	1896014	0.01000	0.016			(a)

7/20/07

QC Flag Legend

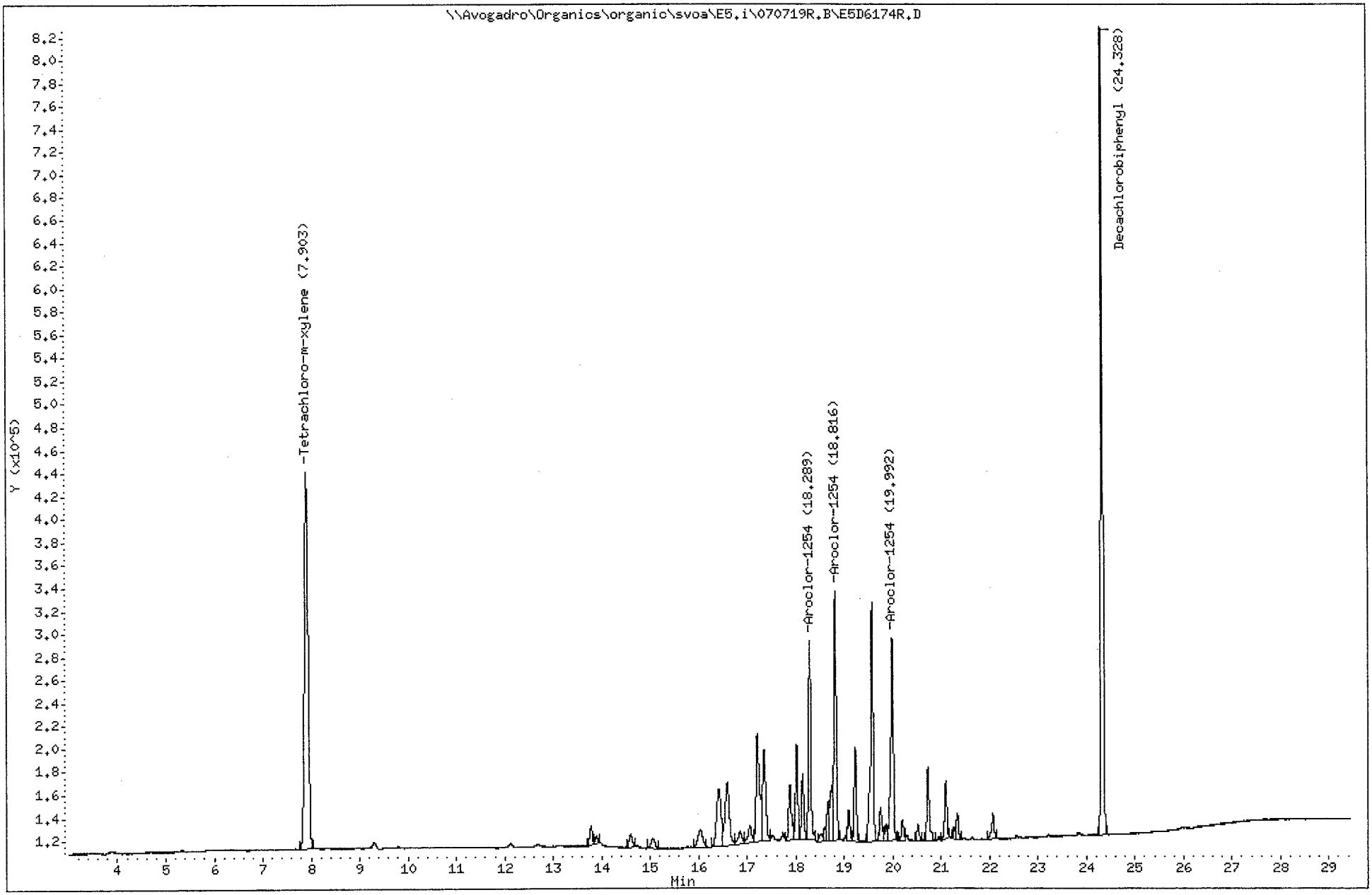
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6174F.D
Date : 19-JUL-2007 19:55
Client ID: AR1254T5
Instrument: E5.i
Sample Info: AR1254T5,AR1254T5,,ar1254.sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPEST
Column diameter: 0.53



SZ-19

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6174R.D
Date : 19-JUL-2007 19:55
Client ID: AR1254T5
Instrument: E5.i
Sample Info: AR1254T5,AR1254T5,,ar1254,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPESTII
Column diameter: 0.53



Data File: E5D6174F.D
Report Date: 20-Jul-2007 10:05

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6174F.D
Lab Smp Id: AR1254T5 Client Smp ID: AR1254T5
Inj Date : 19-JUL-2007 19:55
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : AR1254T5,AR1254T5,,ar1254.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\clp-e5f.m
Meth Date : 20-Jul-2007 09:53 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 19:55 Cal File: E5D6174F.D
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1254.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.712	5.711	0.001	3222838	0.00500	0.018			(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
21.811	21.810	0.001	4346336	0.01000	0.018			(a)
28 Aroclor-1254					CAS #: 11097-69-1			
14.603	14.602	0.001	1005990	0.10000	0.10	80.00- 120.00	100.00	(a)
16.923	16.923	0.000	1118814	0.10000	0.10	91.22- 131.22	111.22	
17.436	17.436	0.000	1330415	0.10000	0.10	112.25- 152.25	132.25	
Average of Peak Amounts =				0.10000				

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E5D6174R.D
Report Date: 20-Jul-2007 10:07

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6174R.D
Lab Smp Id: AR1254T5 Client Smp ID: AR1254T5
Inj Date : 19-JUL-2007 19:55
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : AR1254T5,AR1254T5,,ar1254.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\clp-e5r.m
Meth Date : 20-Jul-2007 09:55 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1254.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

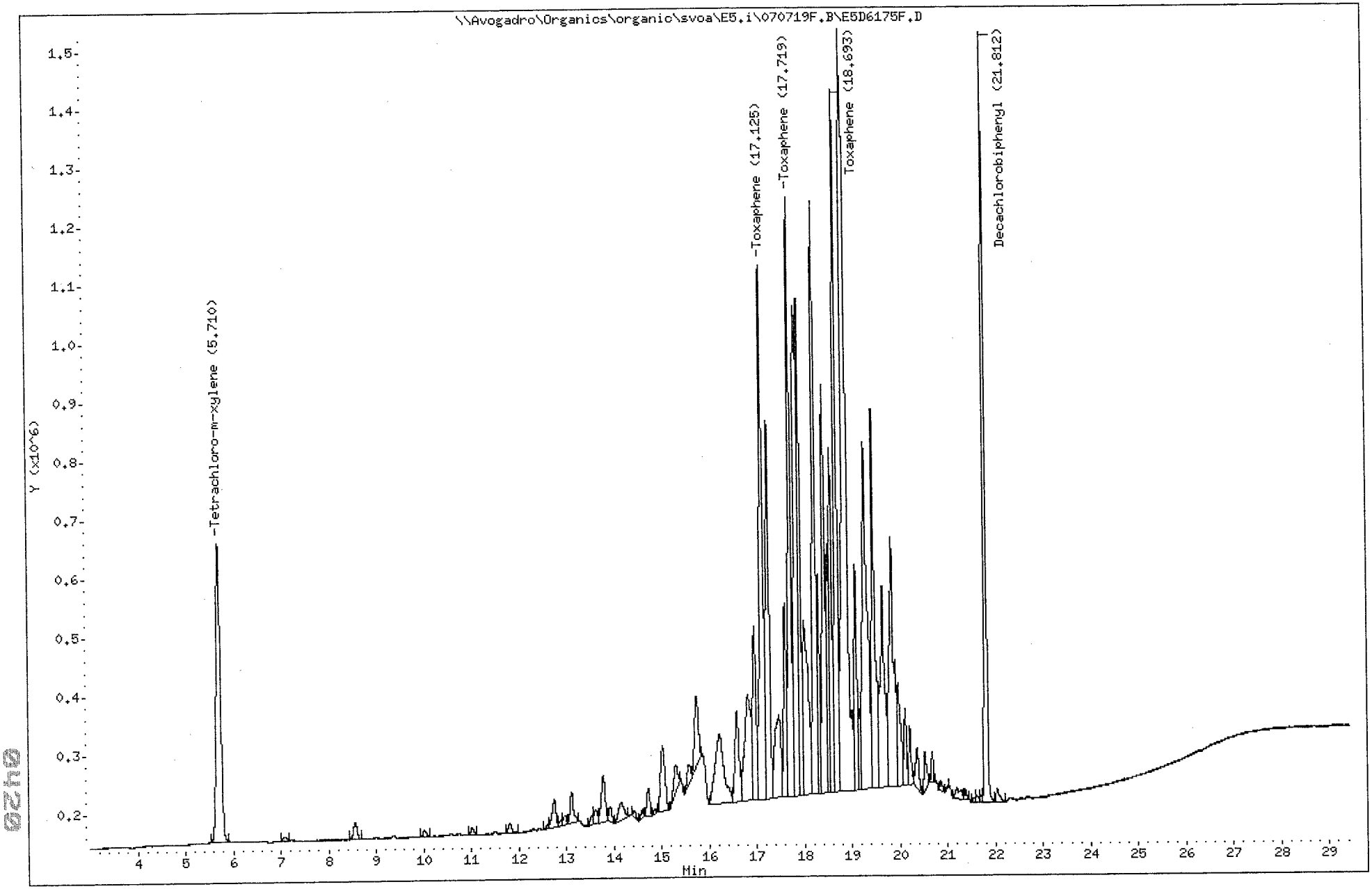
				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.903	7.903	0.000	1739079	0.00500	0.018			(a)
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3			
24.328	24.329	-0.001	2203953	0.01000	0.018			(a)
29 Aroclor-1254					CAS #: 11097-69-1			
18.288	18.289	-0.001	559598	0.10000	0.10	80.00- 120.00	100.00	(a)
18.815	18.816	-0.001	704909	0.10000	0.10	105.97- 145.97	125.97	
19.992	19.991	0.001	662204	0.10000	0.10	98.34- 138.34	118.34	
Average of Peak Amounts =					0.10000			

QC Flag Legend

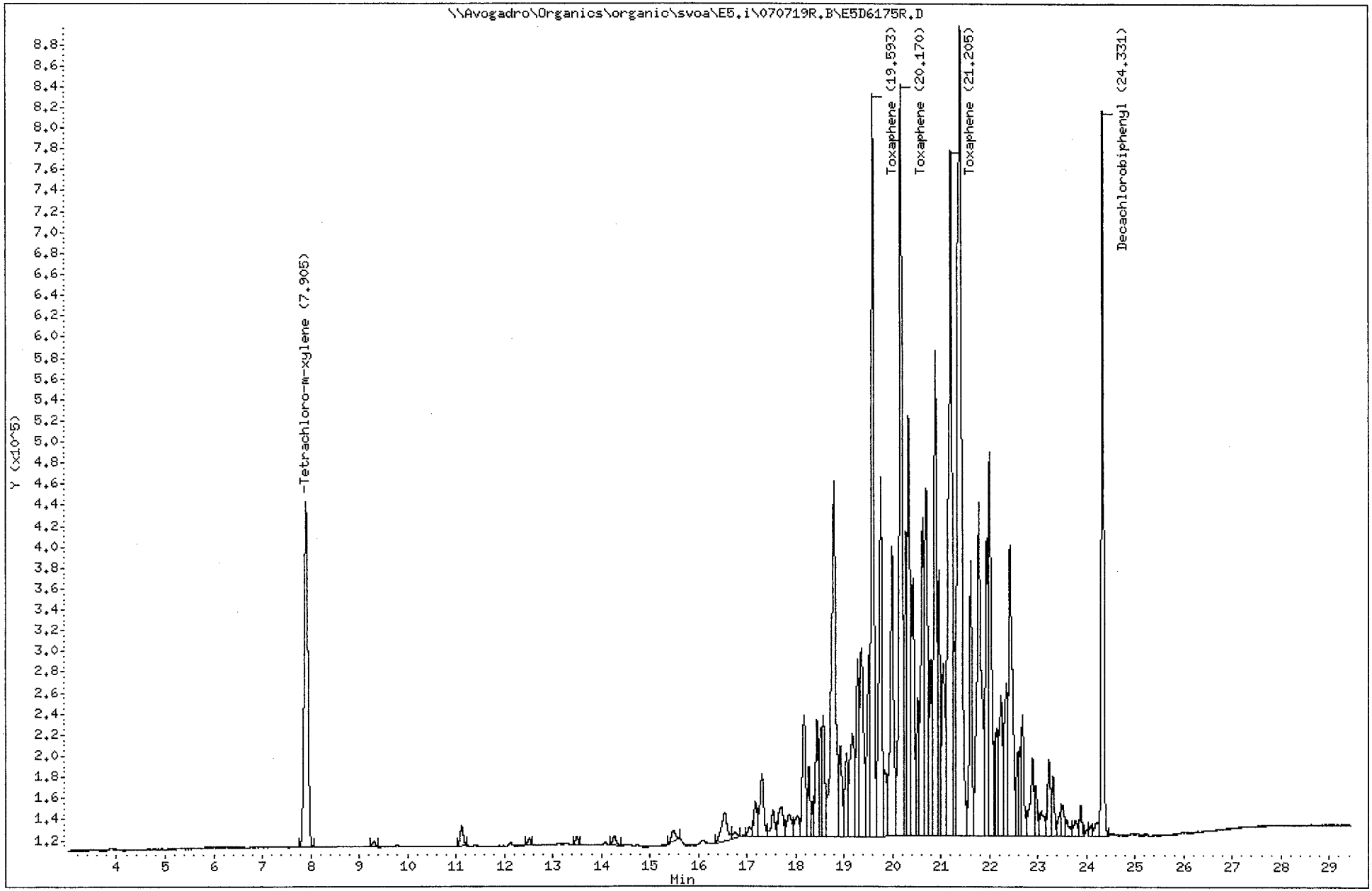
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6175F.D
Date : 19-JUL-2007 20:28
Client ID: TOXAPHT5
Sample Info: TOXAPHT5,TOXAPHT5,,toxaph.sub,,
Volume Injected (uL): 1.0
Column phase: CLPPEST

Instrument: E5.i
Operator: SZ SRC: SZ
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6175R.D
Date : 19-JUL-2007 20:28
Client ID: TOXAPHT5
Instrument: E5.i
Sample Info: TOXAPHT5,TOXAPHT5,,toxaph.sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPESTII
Column diameter: 0.53



Data File: E5D6175F.D
Report Date: 20-Jul-2007 10:05

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6175F.D
Lab Smp Id: TOXAPHT5 Client Smp ID: TOXAPHT5
Inj Date : 19-JUL-2007 20:28
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : TOXAPHT5,TOXAPHT5,,toxaph.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\clp-e5f.m
Meth Date : 20-Jul-2007 09:53 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 20:28 Cal File: E5D6175F.D
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: toxaph.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

			AMOUNTS				
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.710	5.711	-0.001	3237473	0.00500	0.018		(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
21.812	21.810	0.002	4408501	0.01000	0.018		(a)
30 Toxaphene					CAS #: 8001-35-2		
17.125	17.127	-0.002	4421687	0.50000	0.50	80.00- 120.00	100.00(a)
17.718	17.719	-0.001	3998039	0.50000	0.50	70.42- 110.42	90.42
18.692	18.691	0.001	4857885	0.50000	0.50	89.86- 129.86	109.86
Average of Peak Amounts =					0.50000		

f 7/20/07

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: E5D6175R.D
Report Date: 20-Jul-2007 10:07

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6175R.D
Lab Smp Id: TOXAPHT5 Client Smp ID: TOXAPHT5
Inj Date : 19-JUL-2007 20:28
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : TOXAPHT5,TOXAPHT5,,toxaph.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\clp-e5r.m
Meth Date : 20-Jul-2007 09:55 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: toxaph.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

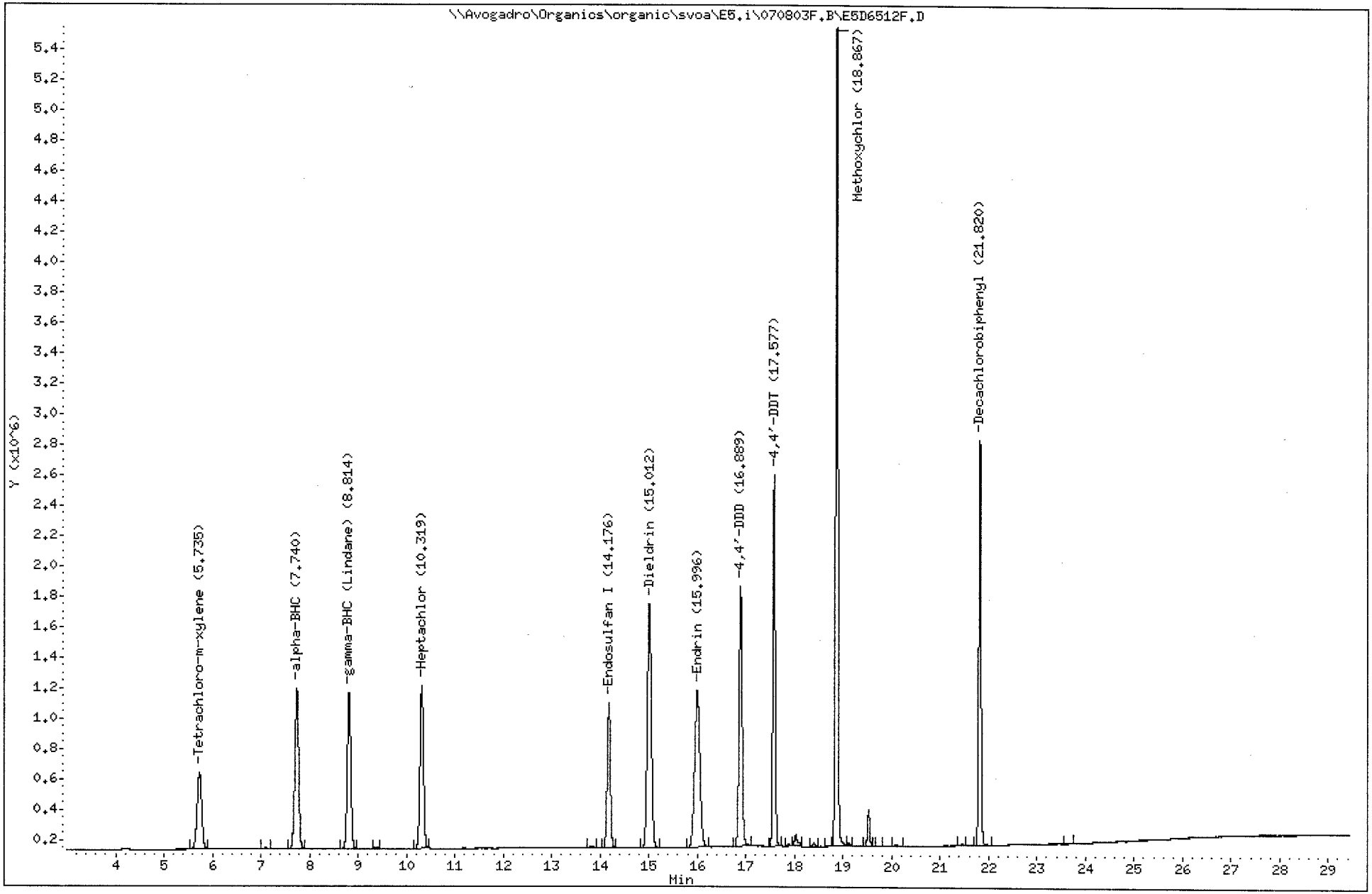
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.905	7.903	0.002	1748306	0.00500	0.018			(a)
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3			
24.331	24.329	0.002	2222813	0.01000	0.018			(a)
31 Toxaphene					CAS #: 8001-35-2			
19.592	19.591	0.001	2652400	0.50000	0.50	80.00- 120.00	100.00	(a)
20.170	20.170	0.000	3182079	0.50000	0.50	99.97- 139.97	119.97	
21.204	21.202	0.002	3405746	0.50000	0.50	108.40- 148.40	128.40	
Average of Peak Amounts =					0.50000			

7/20/07

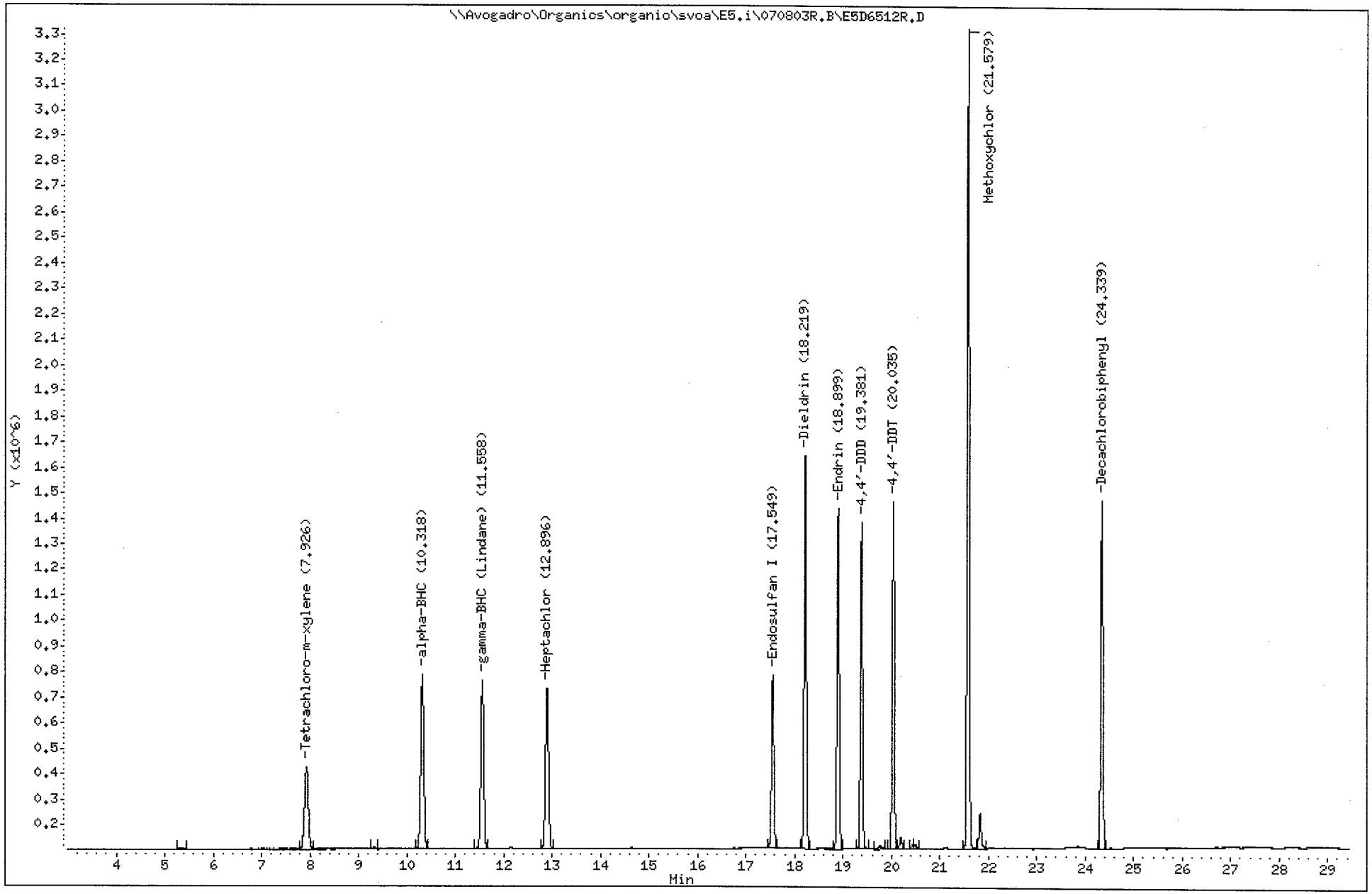
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\E5D6512F.D
Date : 03-AUG-2007 20:23
Client ID: INDAMUQ
Instrument: E5.i
Sample Info: INDAMUQ,INDAMUQ,,inda,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPEST
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\E5D6512R.D
Date : 03-AUG-2007 20:23
Client ID: INDAMUQ
Instrument: E5.i
Sample Info: INDAMUQ,INDAMUQ,,inda.sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPESTII
Column diameter: 0.53



SZ19

Data File: E5D6512F.D
Report Date: 14-Aug-2007 11:17

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\E5D6512F.D
Lab Smp Id: INDAMUQ Client Smp ID: INDAMUQ
Inj Date : 03-AUG-2007 20:23
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : INDAMUQ,INDAMUQ,,inda.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\clp-e5f.m
Meth Date : 14-Aug-2007 11:17 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.735	5.711	0.024	3308146	0.02000	0.018			(a)
3 alpha-BHC					CAS #: 319-84-6			
7.740	7.719	0.021	5672753	0.02000	0.018			(a)
4 gamma-BHC (Lindane)					CAS #: 58-89-9			
8.814	8.794	0.020	5179276	0.02000	0.018			(a)
5 Heptachlor					CAS #: 76-44-8			
10.318	10.297	0.021	5314490	0.02000	0.018			(a)
10 Endosulfan I					CAS #: 959-98-8			
14.176	14.158	0.018	4324375	0.02000	0.018			(a)
14 Dieldrin					CAS #: 60-57-1			
15.011	14.986	0.025	9327822	0.04000	0.036			(a)
15 Endrin					CAS #: 72-20-8			
15.996	15.963	0.033	7907230	0.04000	0.040			(a)

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8/14/07

Data File: E5D6512F.D
Report Date: 14-Aug-2007 11:17

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
16 4,4'-DDD					CAS #: 72-54-8			
16.889	16.870	0.019	7497786	0.04000	0.037			(a)
18 4,4'-DDT					CAS #: 50-29-3			
17.576	17.561	0.015	8188010	0.04000	0.036			(a)
21 Methoxychlor					CAS #: 72-43-5			
18.866	18.856	0.010	17950008	0.20000	0.18			(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
21.820	21.810	0.010	8614543	0.04000	0.035			(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: E5D6512R.D
Report Date: 14-Aug-2007 11:18

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\E5D6512R.D
Lab Smp Id: INDAMUQ Client Smp ID: INDAMUQ
Inj Date : 03-AUG-2007 20:23
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : INDAMUQ,INDAMUQ,,inda.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\clp-e5r.m
Meth Date : 14-Aug-2007 11:18 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.926	7.903	0.023	1736117	0.02000	0.018			(a)
4 alpha-BHC					CAS #: 319-84-6			
10.317	10.295	0.022	3013210	0.02000	0.018			(a)
5 gamma-BHC (Lindane)					CAS #: 58-89-9			
11.557	11.536	0.021	2785688	0.02000	0.018			(a)
6 Heptachlor					CAS #: 76-44-8			
12.896	12.875	0.021	2776584	0.02000	0.017			(a)
11 Endosulfan I					CAS #: 959-98-8			
17.549	17.530	0.019	2283892	0.02000	0.017			(a)
15 Dieldrin					CAS #: 60-57-1			
18.219	18.203	0.016	4912352	0.04000	0.035			(a)
16 Endrin					CAS #: 72-20-8			
18.899	18.885	0.014	4154465	0.04000	0.039			(a)

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Data File: E5D6512R.D
Report Date: 14-Aug-2007 11:18

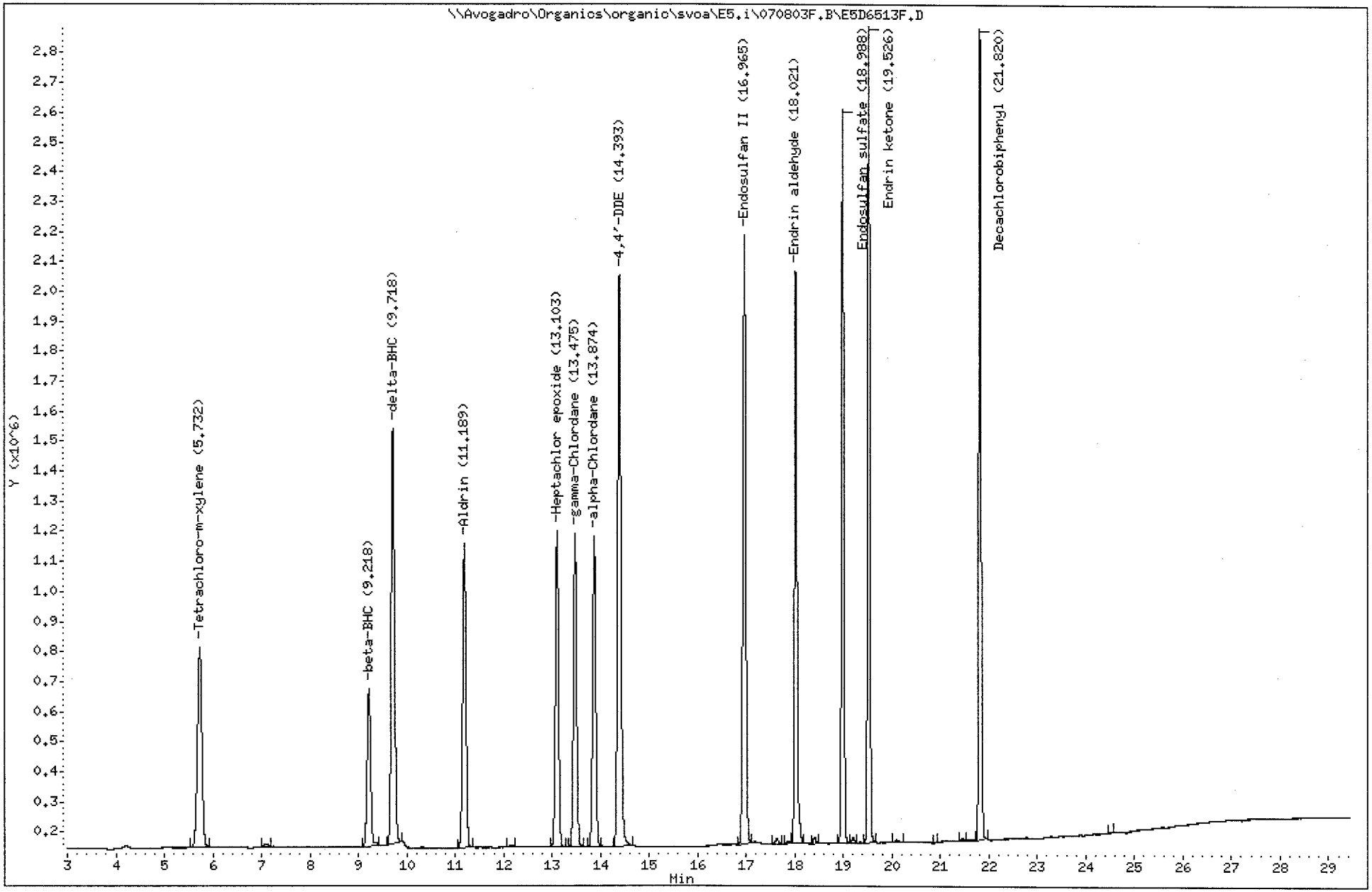
				AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
RT	EXP RT	DLT RT	RESPONSE					
	17 4,4'-DDD				CAS #: 72-54-8			
19.381	19.368	0.013	3838480	0.04000	0.035			(a)
	19 4,4'-DDT				CAS #: 50-29-3			
20.035	20.023	0.012	4057387	0.04000	0.035			(a)
	22 Methoxychlor				CAS #: 72-43-5			
21.579	21.566	0.013	9618440	0.20000	0.17			(a)
$	3 Decachlorobiphenyl				CAS #: 2051-24-3			
24.338	24.329	0.009	4129789	0.04000	0.034			(a)

QC Flag Legend

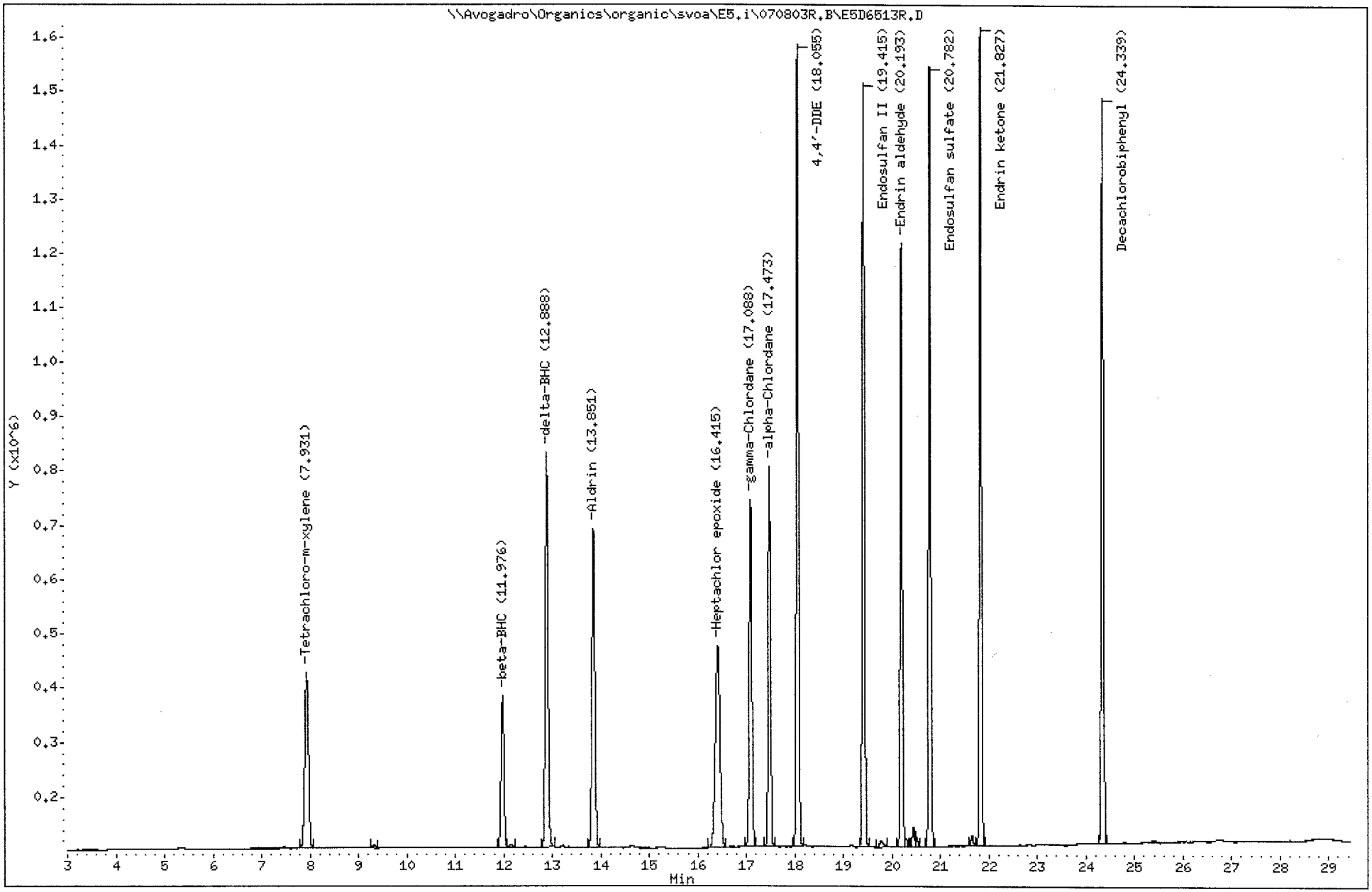
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

8/14/07

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\E5D6513F.D
Date : 03-AUG-2007 20:56
Client ID: INDBMUQ
Instrument: E5.i
Sample Info: INDBMUQ,INDBMUQ,,indb,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPEST
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\E5D6513R.D
Date : 03-AUG-2007 20:56
Client ID: INDBMUQ
Instrument: E5.i
Sample Info: INDBMUQ,INDBMUQ,,indb,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPESTII
Column diameter: 0.53



Data File: E5D6513F.D
Report Date: 14-Aug-2007 11:17

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\E5D6513F.D
Lab Smp Id: INDBMUQ Client Smp ID: INDBMUQ
Inj Date : 03-AUG-2007 20:56
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : INDBMUQ,INDBMUQ,,indb.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\clp-e5f.m
Meth Date : 14-Aug-2007 11:17 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 12 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.731	5.711	0.020	4214227	0.02000	0.023			(a)
6 Aldrin					CAS #: 309-00-2			
11.189	11.170	0.019	4814443	0.02000	0.018			(a)
7 beta-BHC					CAS #: 319-85-7			
9.217	9.197	0.020	2626523	0.02000	0.023			(a)
8 delta-BHC					CAS #: 319-86-8			
9.717	9.699	0.018	6542350	0.02000	0.024			(a)
9 Heptachlor epoxide					CAS #: 1024-57-3			
13.102	13.083	0.019	4660778	0.02000	0.018			(a)
11 gamma-Chlordane					CAS #: 5103-74-2			
13.475	13.454	0.021	4642767	0.02000	0.018			(a)
12 alpha-Chlordane					CAS #: 5103-71-9			
13.874	13.853	0.021	4542369	0.02000	0.018			(a)

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Data File: E5D6513F.D
Report Date: 14-Aug-2007 11:17

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
13 4,4'-DDE					CAS #: 72-55-9			
14.393	14.370	0.023	8908284	0.04000	0.036			(a)
17 Endosulfan II					CAS #: 33213-65-9			
16.965	16.949	0.016	8453217	0.04000	0.037			(a)
19 Endrin aldehyde					CAS #: 7421-93-4			
18.020	18.007	0.013	6566989	0.04000	0.036			(a)
20 Endosulfan sulfate					CAS #: 1031-07-8			
18.988	18.976	0.012	7991526	0.04000	0.039			(a)
22 Endrin ketone					CAS #: 53494-70-5			
19.525	19.515	0.010	8658554	0.04000	0.038			(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
21.820	21.810	0.010	8654822	0.04000	0.036			(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

8/14/07

Data File: E5D6513R.D
Report Date: 14-Aug-2007 11:18

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\E5D6513R.D
Lab Smp Id: INDBMUQ Client Smp ID: INDBMUQ
Inj Date : 03-AUG-2007 20:56
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : INDBMUQ,INDBMUQ,,,indb.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\clp-e5r.m
Meth Date : 14-Aug-2007 11:18 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 12 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.930	7.903	0.027	1716668	0.02000	0.018			(a)
7 Aldrin					CAS #: 309-00-2			
13.850	13.828	0.022	2514304	0.02000	0.018			(a)
8 beta-BHC					CAS #: 319-85-7			
11.975	11.953	0.022	1138726	0.02000	0.018			(a)
9 delta-BHC					CAS #: 319-86-8			
12.887	12.863	0.024	2830220	0.02000	0.018			(a)
10 Heptachlor epoxide					CAS #: 1024-57-3			
16.415	16.376	0.039	2475319	0.02000	0.018			(a)
12 gamma-Chlordane					CAS #: 5103-74-2			
17.087	17.066	0.021	2416862	0.02000	0.018			(a)
13 alpha-Chlordane					CAS #: 5103-71-9			
17.473	17.456	0.017	2333301	0.02000	0.018			(a)

8/14/07

Data File: E5D6513R.D
Report Date: 14-Aug-2007 11:18

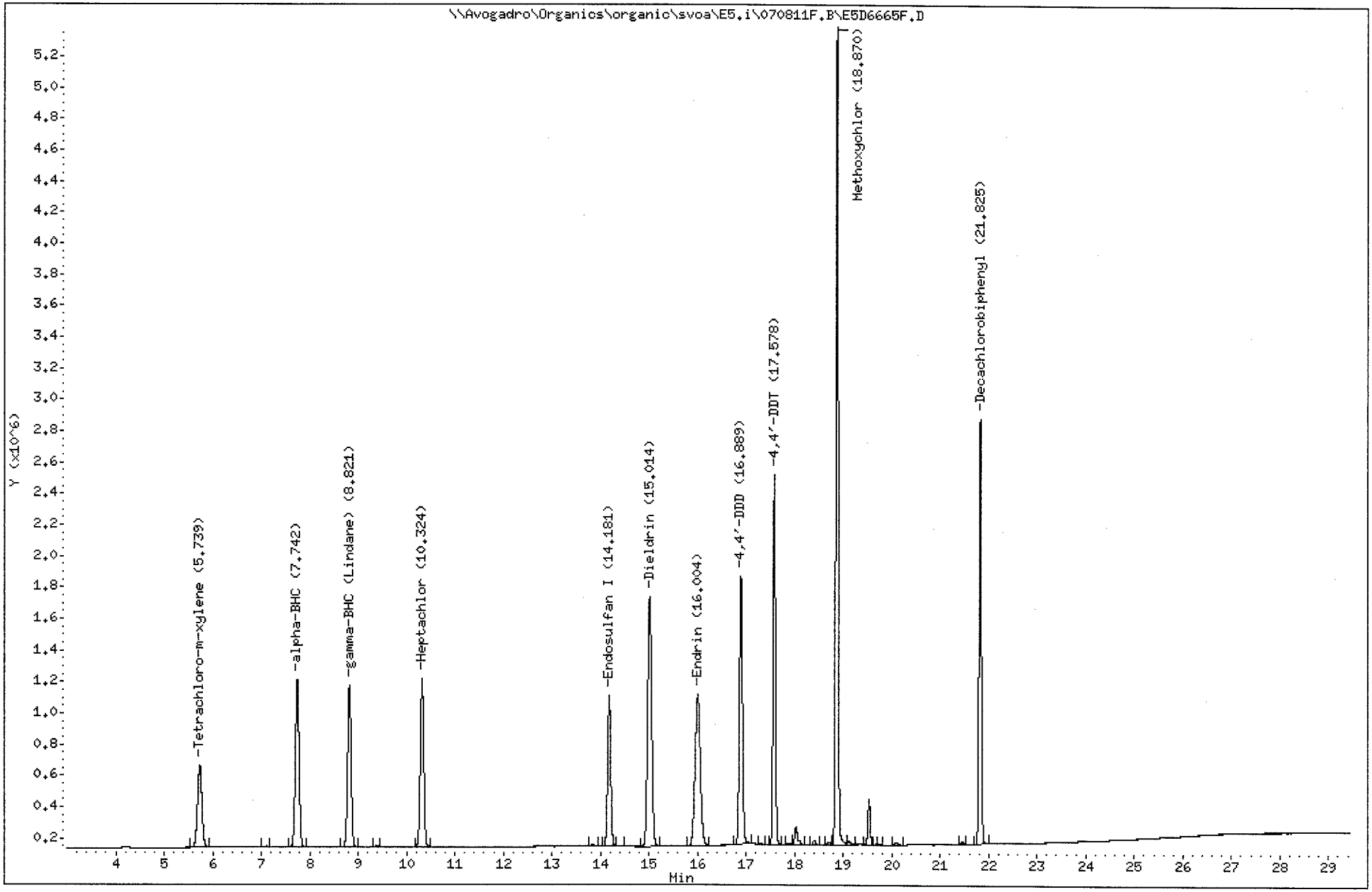
			AMOUNTS			
				CAL-AMT	ON-COL	
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
	14 4,4'-DDE				CAS #: 72-55-9		
18.055	18.038	0.017	4639134	0.04000	0.035		(a)
	18 Endosulfan II				CAS #: 33213-65-9		
19.415	19.399	0.016	4308360	0.04000	0.035		(a)
	20 Endrin aldehyde				CAS #: 7421-93-4		
20.193	20.177	0.016	3307494	0.04000	0.035		(a)
	21 Endosulfan sulfate				CAS #: 1031-07-8		
20.781	20.766	0.015	4256515	0.04000	0.037		(a)
	23 Endrin ketone				CAS #: 53494-70-5		
21.826	21.813	0.013	4388254	0.04000	0.037		(a)
$	3 Decachlorobiphenyl				CAS #: 2051-24-3		
24.339	24.329	0.010	4186430	0.04000	0.035		(a)

QC Flag Legend

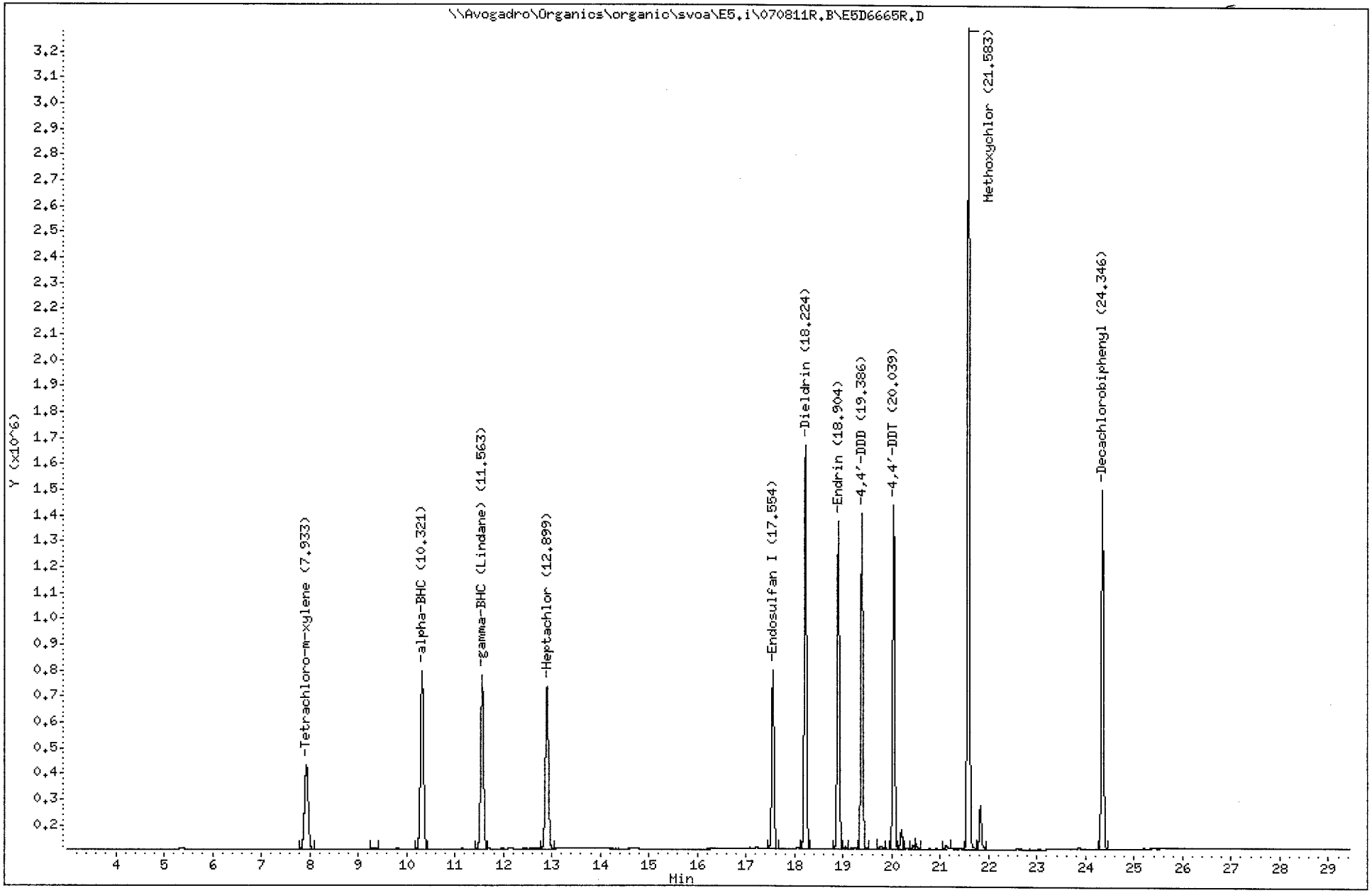
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

8/14/07

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\E5D6665F.D
Date : 11-AUG-2007 20:52
Client ID: INDAMUV
Instrument: E5.i
Sample Info: INDAMUV,INDAMUV,,inda.sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPEST
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\E5D6665R.D
Date : 11-AUG-2007 20:52
Client ID: INDAMUV
Instrument: E5.i
Sample Info: INDAMUV,INDAMUV,,inda.sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPESTII
Column diameter: 0.53



Data File: E5D6665F.D
Report Date: 14-Aug-2007 11:25

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\E5D6665F.D
Lab Smp Id: INDAMUV Client Smp ID: INDAMUV
Inj Date : 11-AUG-2007 20:52
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : INDAMUV,INDAMUV,,,inda.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\clp-e5f.m
Meth Date : 14-Aug-2007 11:25 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 13 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.739	5.711	0.028	3291831	0.02000	0.018			(a)
3 alpha-BHC					CAS #: 319-84-6			
7.741	7.719	0.022	5658405	0.02000	0.018			(a)
4 gamma-BHC (Lindane)					CAS #: 58-89-9			
8.820	8.794	0.026	5161971	0.02000	0.018			(a)
5 Heptachlor					CAS #: 76-44-8			
10.324	10.297	0.027	5224191	0.02000	0.018			(a)
10 Endosulfan I					CAS #: 959-98-8			
14.180	14.158	0.022	4304667	0.02000	0.018			(a)
14 Dieldrin					CAS #: 60-57-1			
15.014	14.986	0.028	9251051	0.04000	0.035			(a)
15 Endrin					CAS #: 72-20-8			
16.004	15.963	0.041	7457277	0.04000	0.038			(a)

KS 8/14/07

Data File: E5D6665F.D
Report Date: 14-Aug-2007 11:25

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
16 4,4'-DDD					CAS #: 72-54-8			
16.889	16.870	0.019	7518976	0.04000	0.038			(a)
18 4,4'-DDT					CAS #: 50-29-3			
17.578	17.561	0.017	7938807	0.04000	0.035			(a)
21 Methoxychlor					CAS #: 72-43-5			
18.870	18.856	0.014	17395078	0.20000	0.18			(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
21.825	21.810	0.015	8711100	0.04000	0.036			(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

8/14/07

Data File: E5D6665R.D
Report Date: 14-Aug-2007 11:28

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\E5D6665R.D
Lab Smp Id: INDAMUV Client Smp ID: INDAMUV
Inj Date : 11-AUG-2007 20:52
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : INDAMUV,INDAMUV,,inda.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\clp-e5r.m
Meth Date : 14-Aug-2007 11:28 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 13 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: inda.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.932	7.903	0.029	1740314	0.02000	0.018			(a)
4 alpha-BHC					CAS #: 319-84-6			
10.320	10.295	0.025	3017519	0.02000	0.018			(a)
5 gamma-BHC (Lindane)					CAS #: 58-89-9			
11.562	11.536	0.026	2789124	0.02000	0.018			(a)
6 Heptachlor					CAS #: 76-44-8			
12.899	12.875	0.024	2744079	0.02000	0.017			(a)
11 Endosulfan I					CAS #: 959-98-8			
17.554	17.530	0.024	2291461	0.02000	0.018			(a)
15 Dieldrin					CAS #: 60-57-1			
18.224	18.203	0.021	4929545	0.04000	0.035			(a)
16 Endrin					CAS #: 72-20-8			
18.904	18.885	0.019	3963513	0.04000	0.037			(a)

8/14/07

Data File: E5D6665R.D
Report Date: 14-Aug-2007 11:28

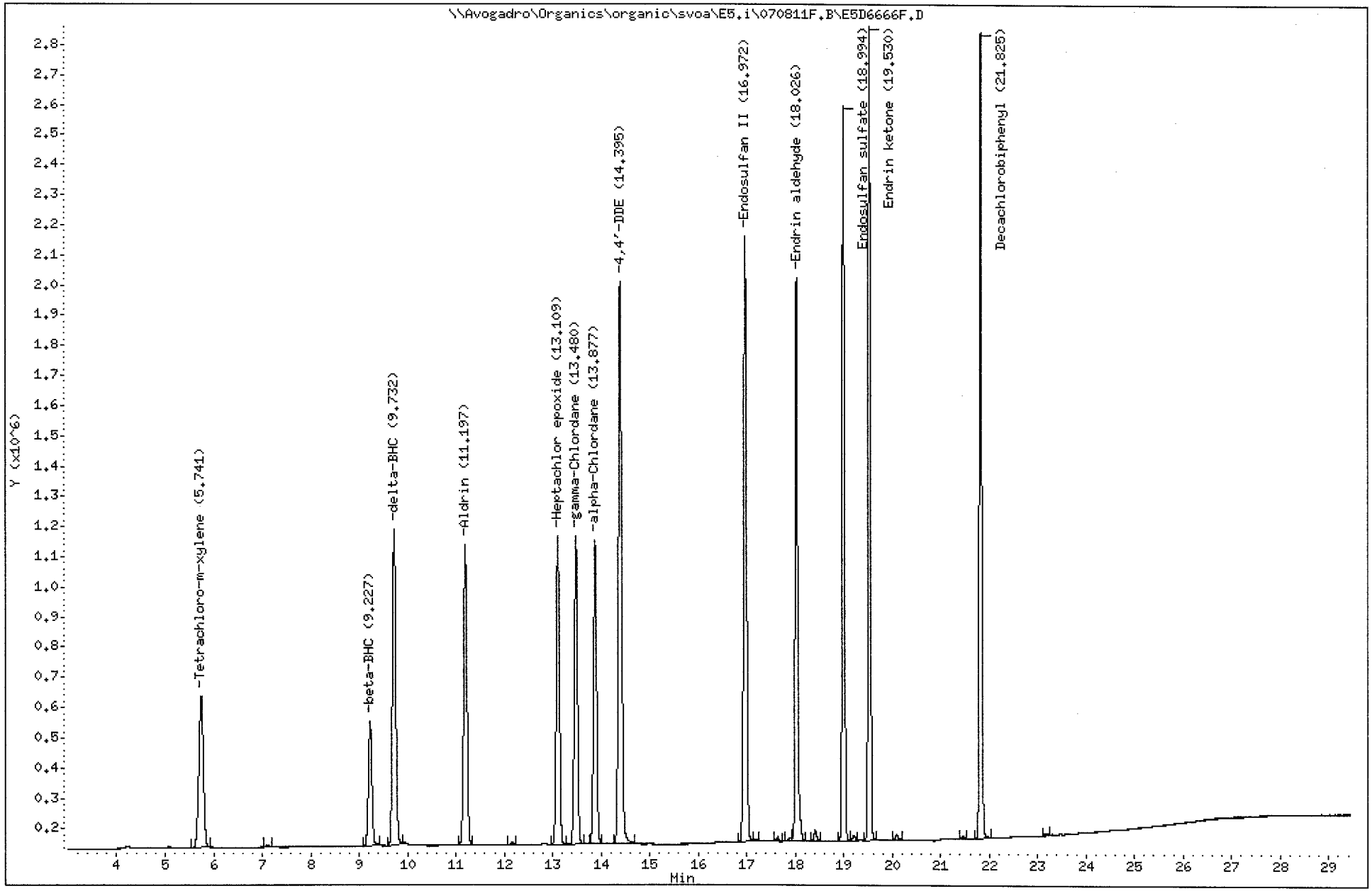
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
17 4,4'-DDD					CAS #: 72-54-8		
19.385	19.368	0.017	3891003	0.04000	0.035		(a)
19 4,4'-DDT					CAS #: 50-29-3		
20.039	20.023	0.016	4003647	0.04000	0.034		(a)
22 Methoxychlor					CAS #: 72-43-5		
21.582	21.566	0.016	9481117	0.20000	0.17		(a)
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3		
24.345	24.329	0.016	4274482	0.04000	0.035		(a)

QC Flag Legend

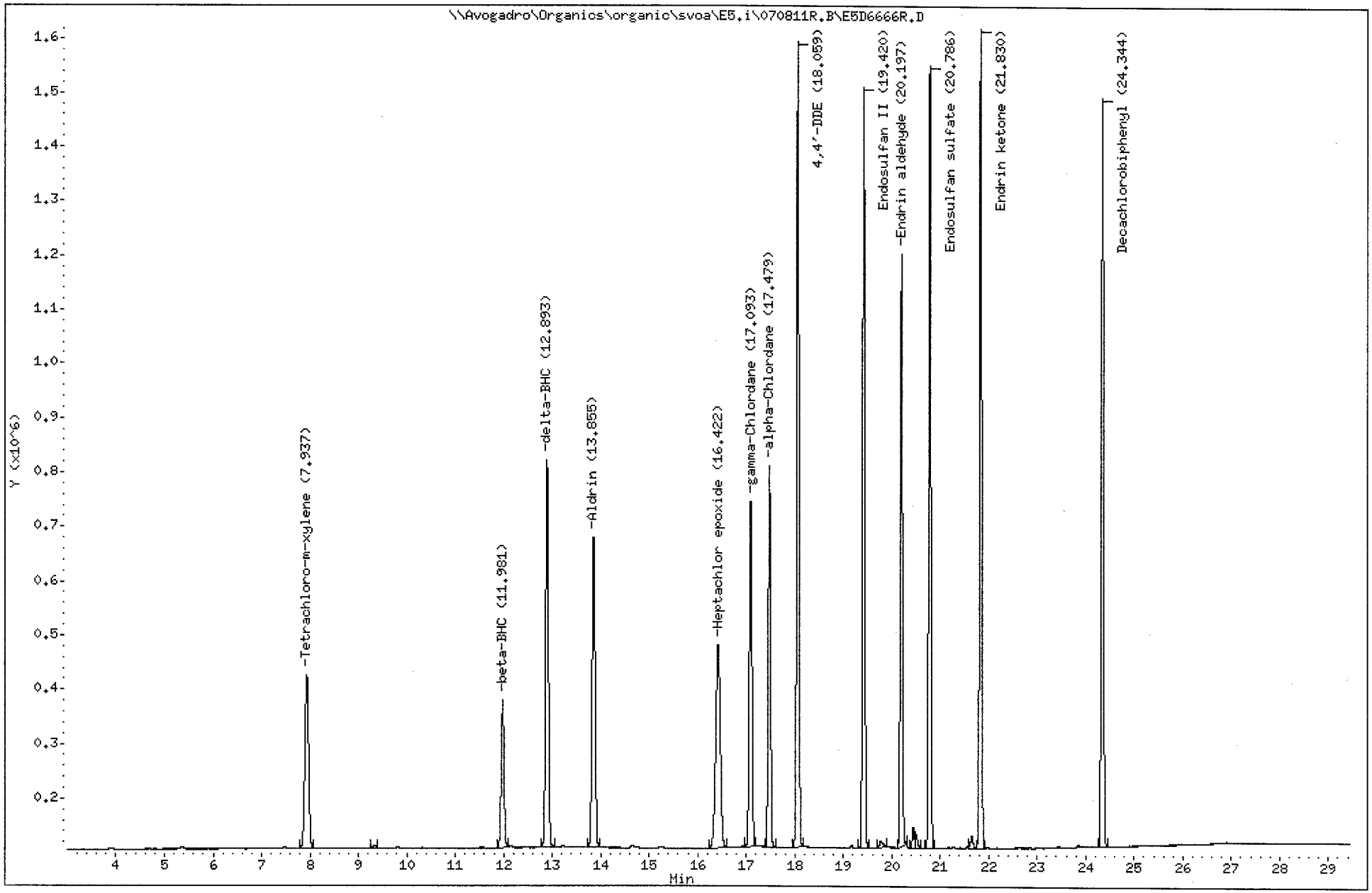
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

8/14/07

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\E5D6666F.D
Date : 11-AUG-2007 21:25
Client ID: INDBMUV
Instrument: E5.i
Sample Info: INDBMUV,INDBMUV,,indb,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPEST
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\E5D6666R.D
Date : 11-AUG-2007 21:25
Client ID: INDBMUV
Instrument: E5.i
Sample Info: INDBMUV,INDBMUV,,indb,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPESTII
Column diameter: 0.53



Data File: E5D6666F.D
Report Date: 14-Aug-2007 11:25

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\E5D6666F.D
Lab Smp Id: INDBMUV Client Smp ID: INDBMUV
Inj Date : 11-AUG-2007 21:25
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : INDBMUV,INDBMUV,,indb.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\clp-e5f.m
Meth Date : 14-Aug-2007 11:25 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 14 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.740	5.711	0.029	3227177	0.02000	0.018			(a)
6 Aldrin					CAS #: 309-00-2			
11.197	11.170	0.027	4732096	0.02000	0.018			(a)
7 beta-BHC					CAS #: 319-85-7			
9.227	9.197	0.030	2029379	0.02000	0.018			(a)
8 delta-BHC					CAS #: 319-86-8			
9.731	9.699	0.032	4975999	0.02000	0.018			(a)
9 Heptachlor epoxide					CAS #: 1024-57-3			
13.109	13.083	0.026	4563436	0.02000	0.018			(a)
11 gamma-Chlordane					CAS #: 5103-74-2			
13.479	13.454	0.025	4547844	0.02000	0.018			(a)
12 alpha-Chlordane					CAS #: 5103-71-9			
13.877	13.853	0.024	4450816	0.02000	0.018			(a)

8/14/07

Data File: E5D6666F.D
Report Date: 14-Aug-2007 11:25

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
13 4,4'-DDE					CAS #: 72-55-9			
14.394	14.370	0.024	8714979	0.04000	0.035			(a)
17 Endosulfan II					CAS #: 33213-65-9			
16.971	16.949	0.022	8337935	0.04000	0.036			(a)
19 Endrin aldehyde					CAS #: 7421-93-4			
18.025	18.007	0.018	6451526	0.04000	0.035			(a)
20 Endosulfan sulfate					CAS #: 1031-07-8			
18.994	18.976	0.018	7885139	0.04000	0.038			(a)
22 Endrin ketone					CAS #: 53494-70-5			
19.529	19.515	0.014	8540951	0.04000	0.038			(a)
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3			
21.824	21.810	0.014	8699099	0.04000	0.036			(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

8/14/07

Data File: E5D6666R.D
Report Date: 14-Aug-2007 11:28

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\E5D6666R.D
Lab Smp Id: INDBMUV Client Smp ID: INDBMUV
Inj Date : 11-AUG-2007 21:25
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : INDBMUV,INDBMUV,,,indb.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\clp-e5r.m
Meth Date : 14-Aug-2007 11:28 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 14 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: indb.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.937	7.903	0.034	1695924	0.02000	0.017			(a)
7 Aldrin					CAS #: 309-00-2			
13.854	13.828	0.026	2481144	0.02000	0.017			(a)
8 beta-BHC					CAS #: 319-85-7			
11.980	11.953	0.027	1113907	0.02000	0.018			(a)
9 delta-BHC					CAS #: 319-86-8			
12.893	12.863	0.030	2787461	0.02000	0.018			(a)
10 Heptachlor epoxide					CAS #: 1024-57-3			
16.422	16.376	0.046	2453754	0.02000	0.018			(a)
12 gamma-Chlordane					CAS #: 5103-74-2			
17.093	17.066	0.027	2411993	0.02000	0.018			(a)
13 alpha-Chlordane					CAS #: 5103-71-9			
17.479	17.456	0.023	2330005	0.02000	0.018			(a)

8/14/07

Data File: E5D6666R.D
Report Date: 14-Aug-2007 11:28

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
14 4,4'-DDE					CAS #: 72-55-9			
18.059	18.038	0.021	4633427	0.04000	0.035			(a)
18 Endosulfan II					CAS #: 33213-65-9			
19.419	19.399	0.020	4323073	0.04000	0.035			(a)
20 Endrin aldehyde					CAS #: 7421-93-4			
20.197	20.177	0.020	3276366	0.04000	0.034			(a)
21 Endosulfan sulfate					CAS #: 1031-07-8			
20.785	20.766	0.019	4269197	0.04000	0.037			(a)
23 Endrin ketone					CAS #: 53494-70-5			
21.829	21.813	0.016	4421931	0.04000	0.037			(a)
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3			
24.344	24.329	0.015	4249031	0.04000	0.035			(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

8/14/07

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PBLK5K

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) SOIL Lab Sample ID: MB-31475

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E5D6502F

% Moisture: 0 Decanted: (Y/N) N Date Received: _____

Extraction: (Type) SONC Date Extracted: 08/01/07

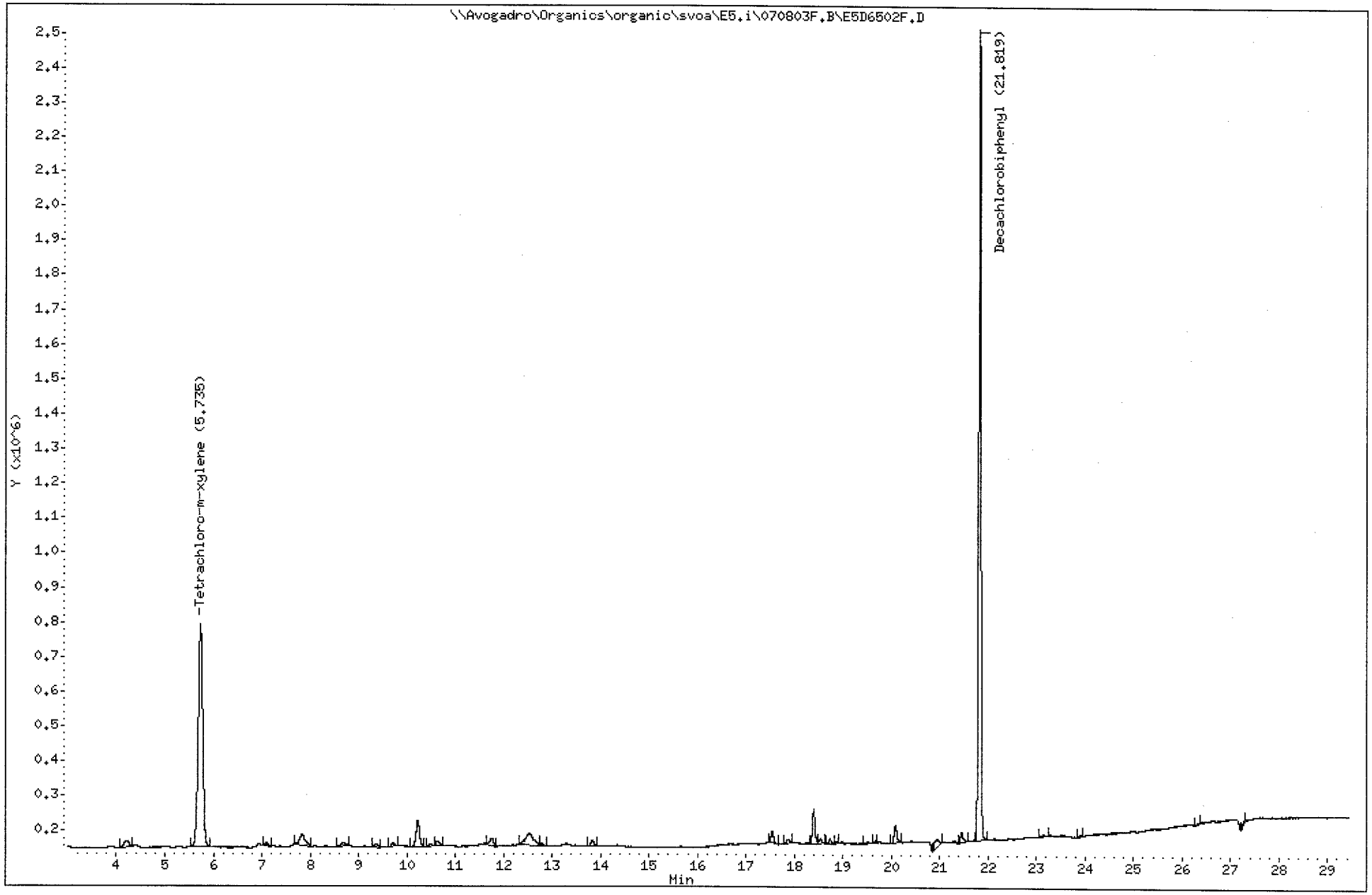
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/03/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

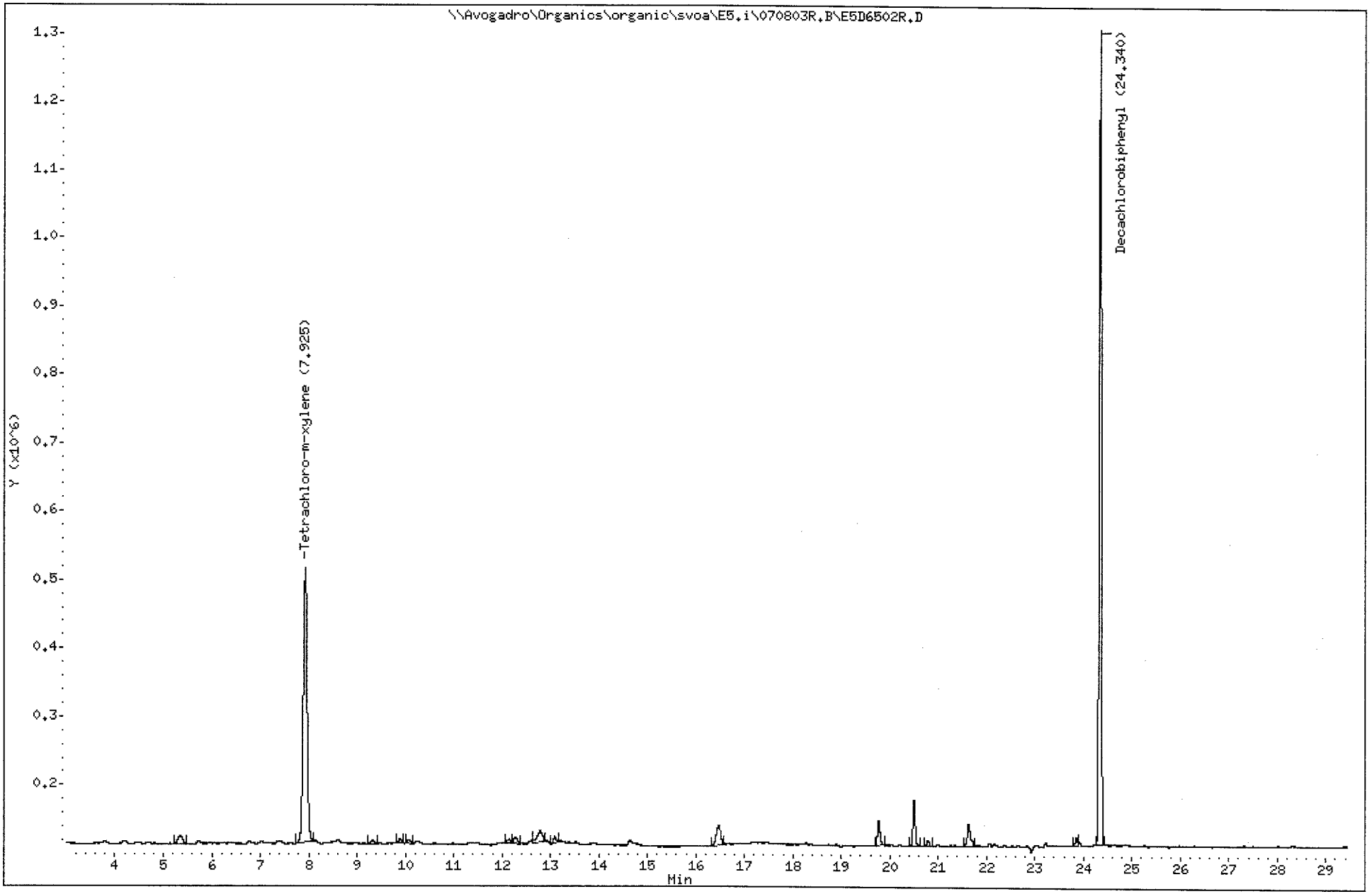
GPC Cleanup: (Y/N) Y pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\E5D6502F.D
Date : 03-AUG-2007 14:52
Client ID: PBLK5K
Instrument: E5.i
Sample Info: MB-31475,PBLK5K,31475,clp.sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: LIMS
Column phase: CLPPEST
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\E5D6502R.D
Date : 03-AUG-2007 14:52
Client ID: PBLK5K
Instrument: E5.i
Sample Info: MB-31475,PBLK5K,31475,clp,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



Data File: E5D6502F.D
Report Date: 14-Aug-2007 11:17

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\E5D6502F.D
Lab Smp Id: MB-31475 Client Smp ID: PBLK5K
Inj Date : 03-AUG-2007 14:52
Operator : SZ SRC: LIMS Inst ID: E5.i
Smp Info : MB-31475,PBLK5K,31475,clp.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\clp-e5f.m
Meth Date : 14-Aug-2007 11:17 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.734	5.711	0.023	4100234	0.02252	7.5		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
21.818	21.810	0.008	7603175	0.03127	10		

K.

8/14/07

Data File: E5D6502R.D
Report Date: 14-Aug-2007 11:18

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\E5D6502R.D
Lab Smp Id: MB-31475 Client Smp ID: PBLK5K
Inj Date : 03-AUG-2007 14:52
Operator : SZ SRC: LIMS Inst ID: E5.i
Smp Info : MB-31475,PBLK5K,31475,clp.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\clp-e5r.m
Meth Date : 14-Aug-2007 11:18 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.925	7.903	0.022	2195718	0.02244	7.5		
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3		
24.340	24.329	0.011	3660320	0.03027	10		

8/14/07

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PBLK5U

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: MB-31534

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5D6652F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) SEPF Date Extracted: 08/03/07

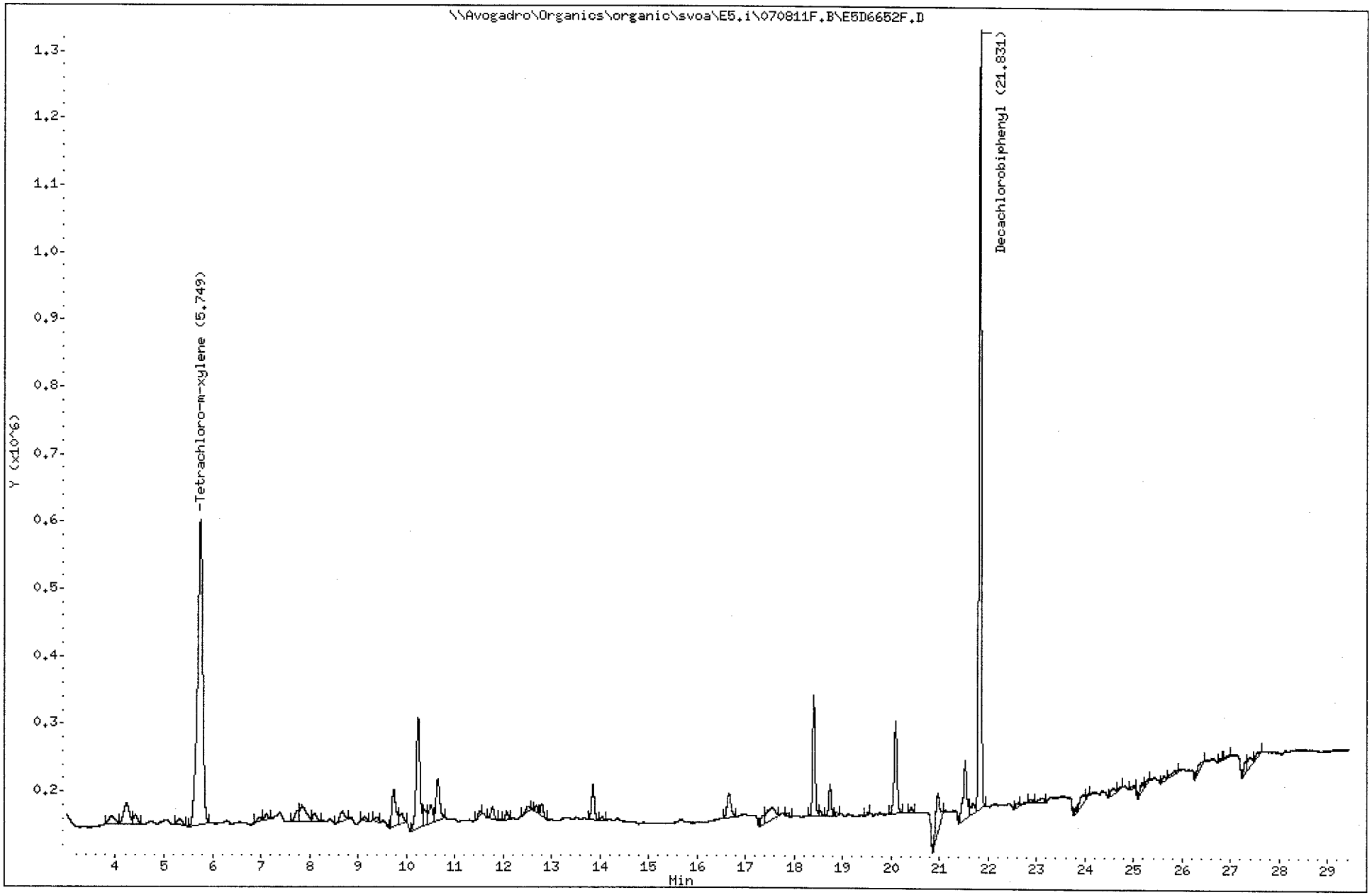
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/11/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\E5D6652F.D
Date : 11-AUG-2007 13:42
Client ID: PBLK5U
Instrument: E5.i
Sample Info: MB-31534,PBLK5U,31534,clp,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: LIMS
Column phase: CLPPEST
Column diameter: 0.53



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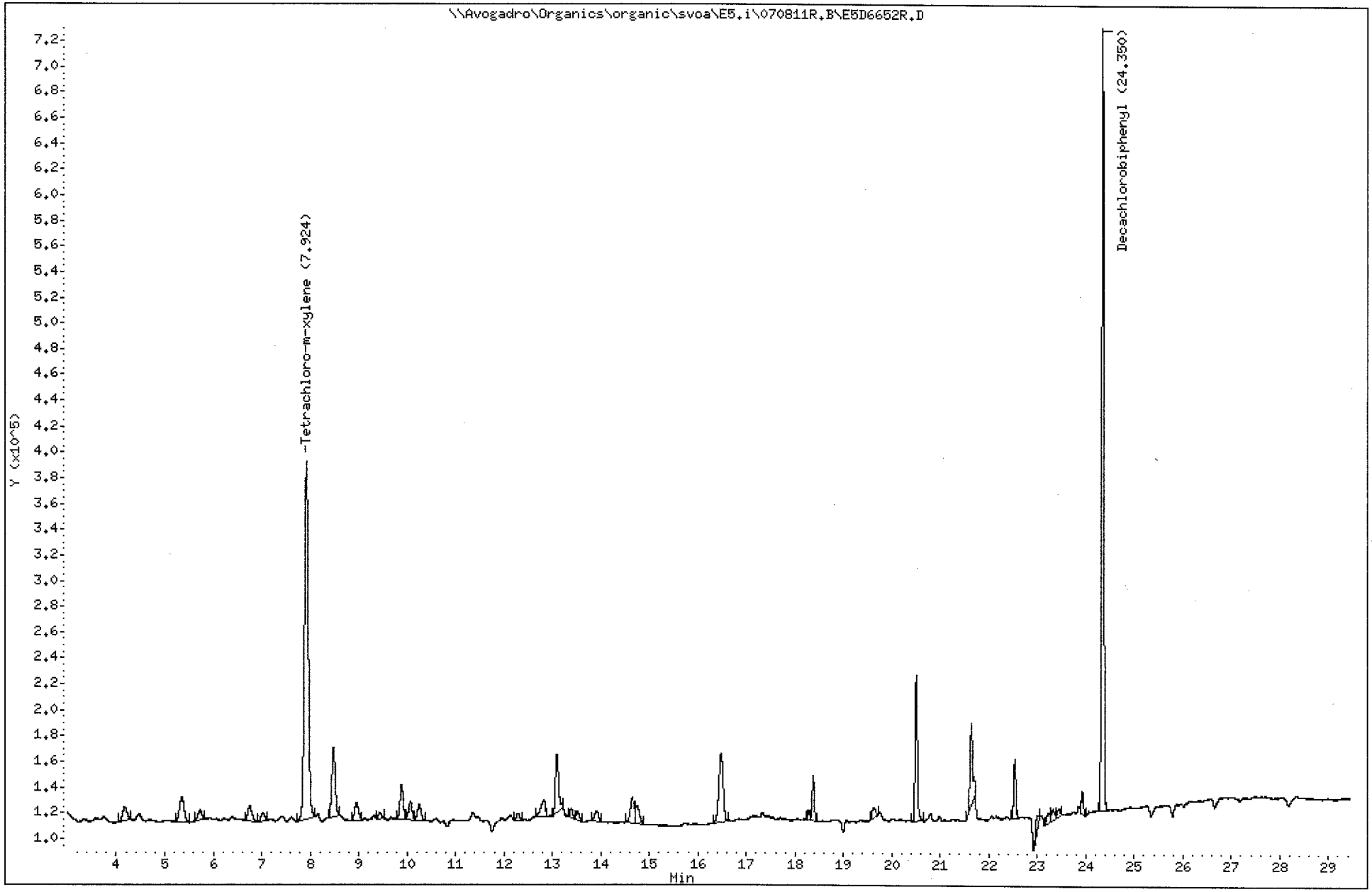
Date : 11-AUG-2007 13:42
Client ID: PBLK5U
Instrument: E5.i
Sample Info: MB-31534,PBLK5U,31534,clp,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



Data File: E5D6652F.D
Report Date: 14-Aug-2007 11:25

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\E5D6652F.D
Lab Smp Id: MB-31534 Client Smp ID: PBLK5U
Inj Date : 11-AUG-2007 13:42
Operator : SZ SRC: LIMS Inst ID: E5.i
Smp Info : MB-31534,PBLK5U,31534,clp.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\clp-e5f.m
Meth Date : 14-Aug-2007 11:25 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL ng)	FINAL (ug/L)	TARGET RANGE	RATIO
RT	EXP RT	DLT RT	RESPONSE				
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.748	5.711	0.037	3338130	0.01833	0.18		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
21.831	21.810	0.021	3765601	0.01549	0.15		

8/14/07

Data File: E5D6652R.D
Report Date: 14-Aug-2007 11:28

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\E5D6652R.D
Lab Smp Id: MB-31534 Client Smp ID: PBLK5U
Inj Date : 11-AUG-2007 13:42
Operator : SZ SRC: LIMS Inst ID: E5.i
Smp Info : MB-31534,PBLK5U,31534,clp.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\clp-e5r.m
Meth Date : 14-Aug-2007 11:28 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.923	7.903	0.020	1513404	0.01547	0.15		
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3		
24.349	24.329	0.020	1882246	0.01557	0.16		

8/14/07

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKTA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: PIBLKTA

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5D6182F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/20/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PIBLKTA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: PIBLKTA

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5D6182R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) _____ Date Extracted: _____

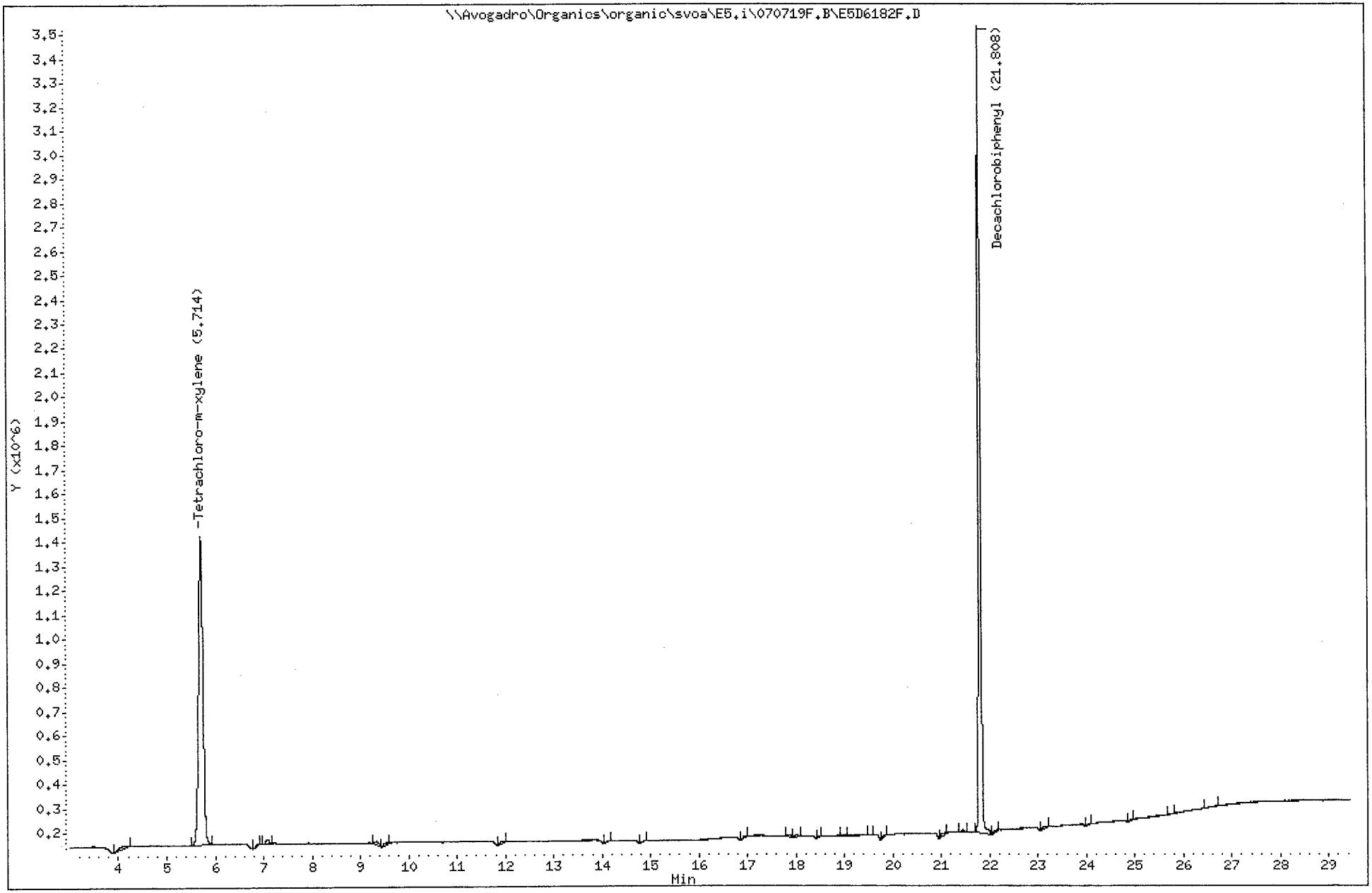
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/20/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6182F.D
Date : 20-JUL-2007 00:20
Client ID: PIBLKTA
Instrument: E5.i
Sample Info: PIBLKTA,PIBLKTA,,clp,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPEST
Column diameter: 0.53

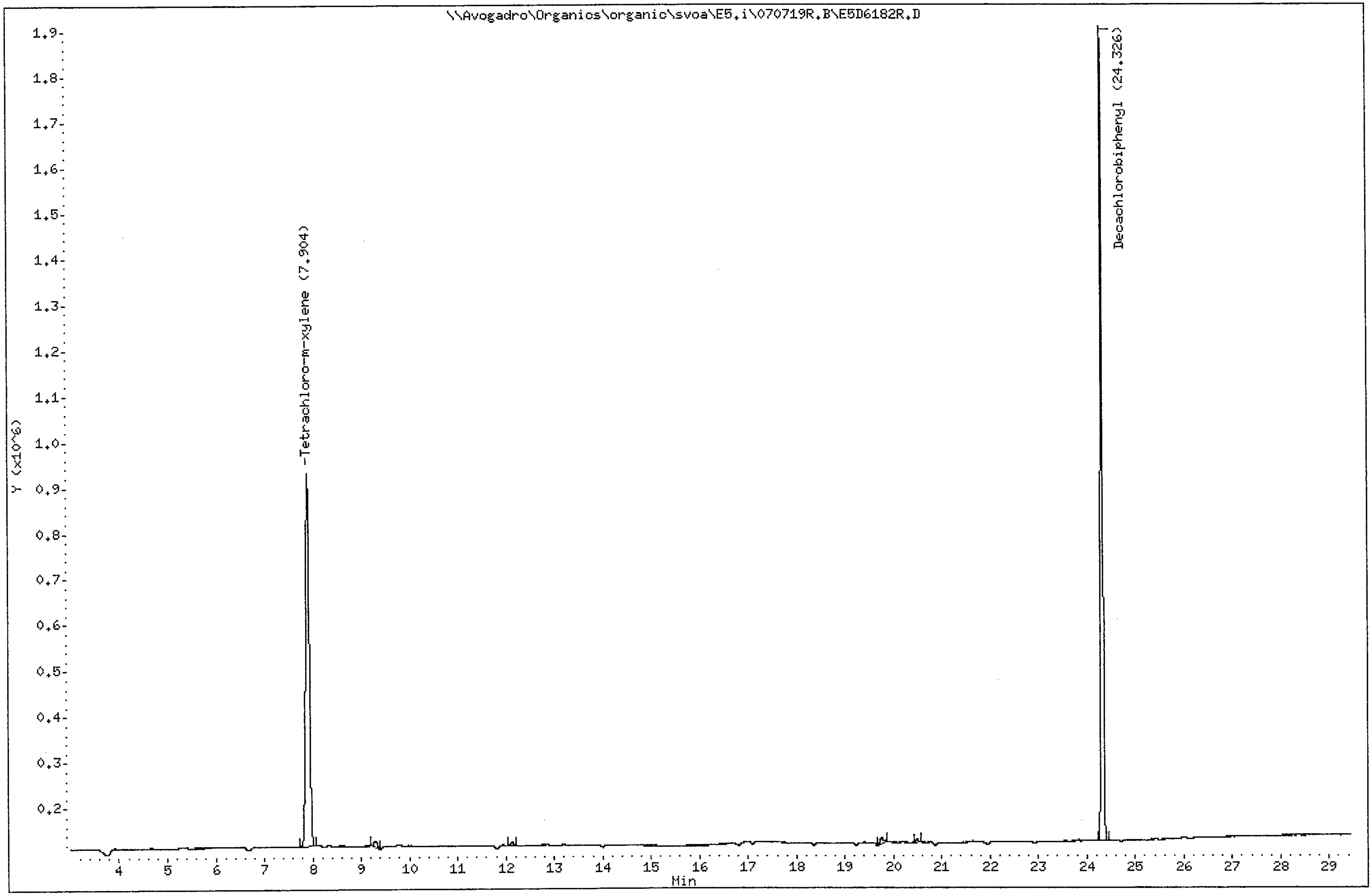


6519

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6182R.D
Date : 20-JUL-2007 00:20
Client ID: PIBLKTA
Sample Info: PIBLKTA,PIBLKTA,,clp,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E5.i

Operator: SZ SRC: SZ
Column diameter: 0.53



Data File: E5D6182F.D
Report Date: 20-Jul-2007 10:05

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\E5D6182F.D
Lab Smp Id: PIBLKTA Client Smp ID: PIBLKTA
Inj Date : 20-JUL-2007 00:20
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : PIBLKTA,PIBLKTA,,clp.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719F.B\clp-e5f.m
Meth Date : 20-Jul-2007 09:53 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8		
5.713	5.711	0.002	7966796	0.04375	0.44			(R)
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3		
21.808	21.810	-0.002	10888346	0.04478	0.45			(R)

7/20/07

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: E5D6182R.D
Report Date: 20-Jul-2007 10:07

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\E5D6182R.D
Lab Smp Id: PIBLKTA Client Smp ID: PIBLKTA
Inj Date : 20-JUL-2007 00:20
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : PIBLKTA,PIBLKTA,,clp.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070719R.B\clp-e5r.m
Meth Date : 20-Jul-2007 09:55 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
7.903	7.903	0.000	4278114	0.04373	0.44			(R)
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3			
24.325	24.329	-0.004	5430074	0.04491	0.45			(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKUP

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: PIBLKUP

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5D6499F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) _____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/03/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKUP

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: PIBLKUP

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5D6499R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) _____ Date Extracted: _____

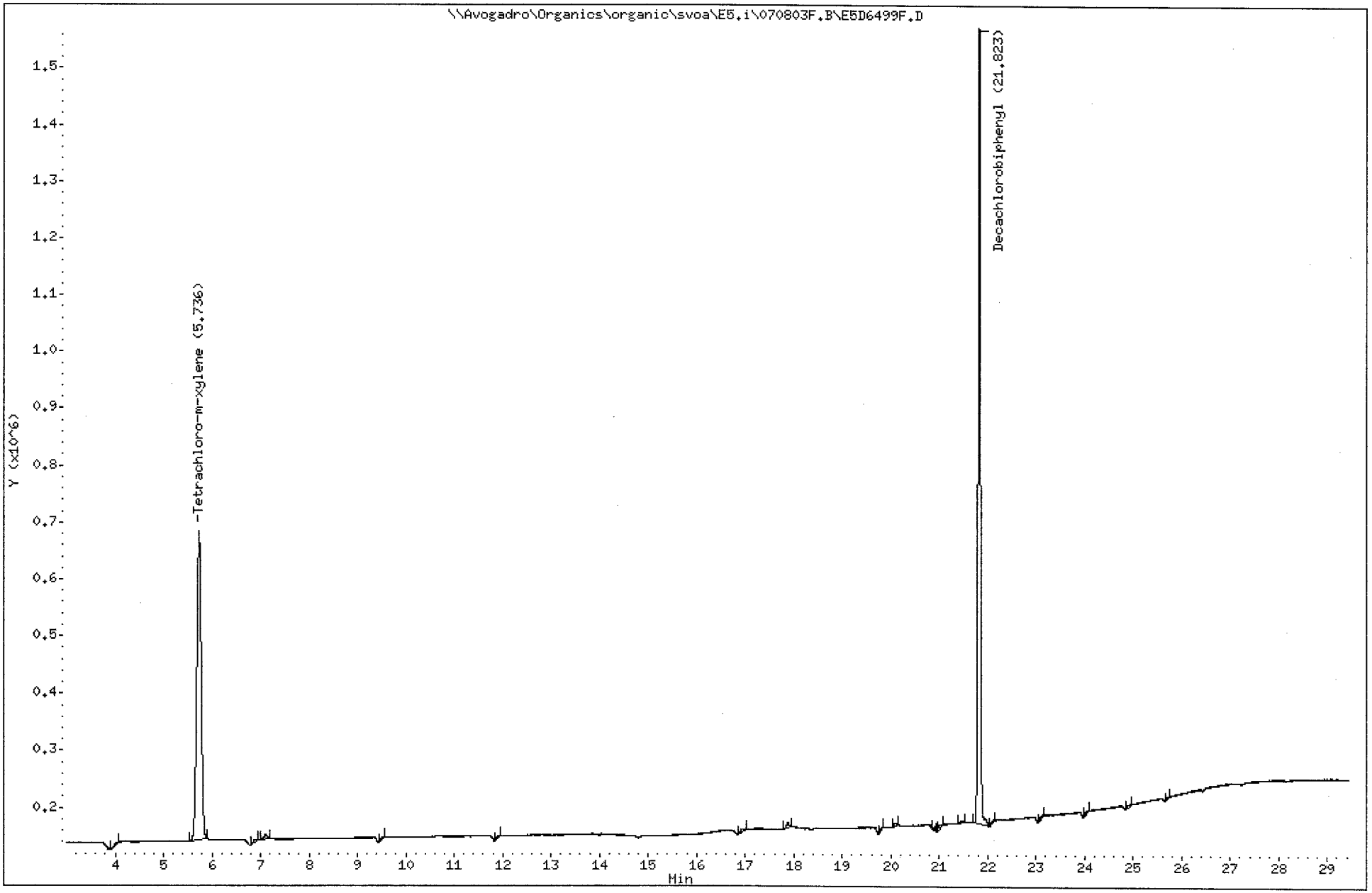
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/03/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

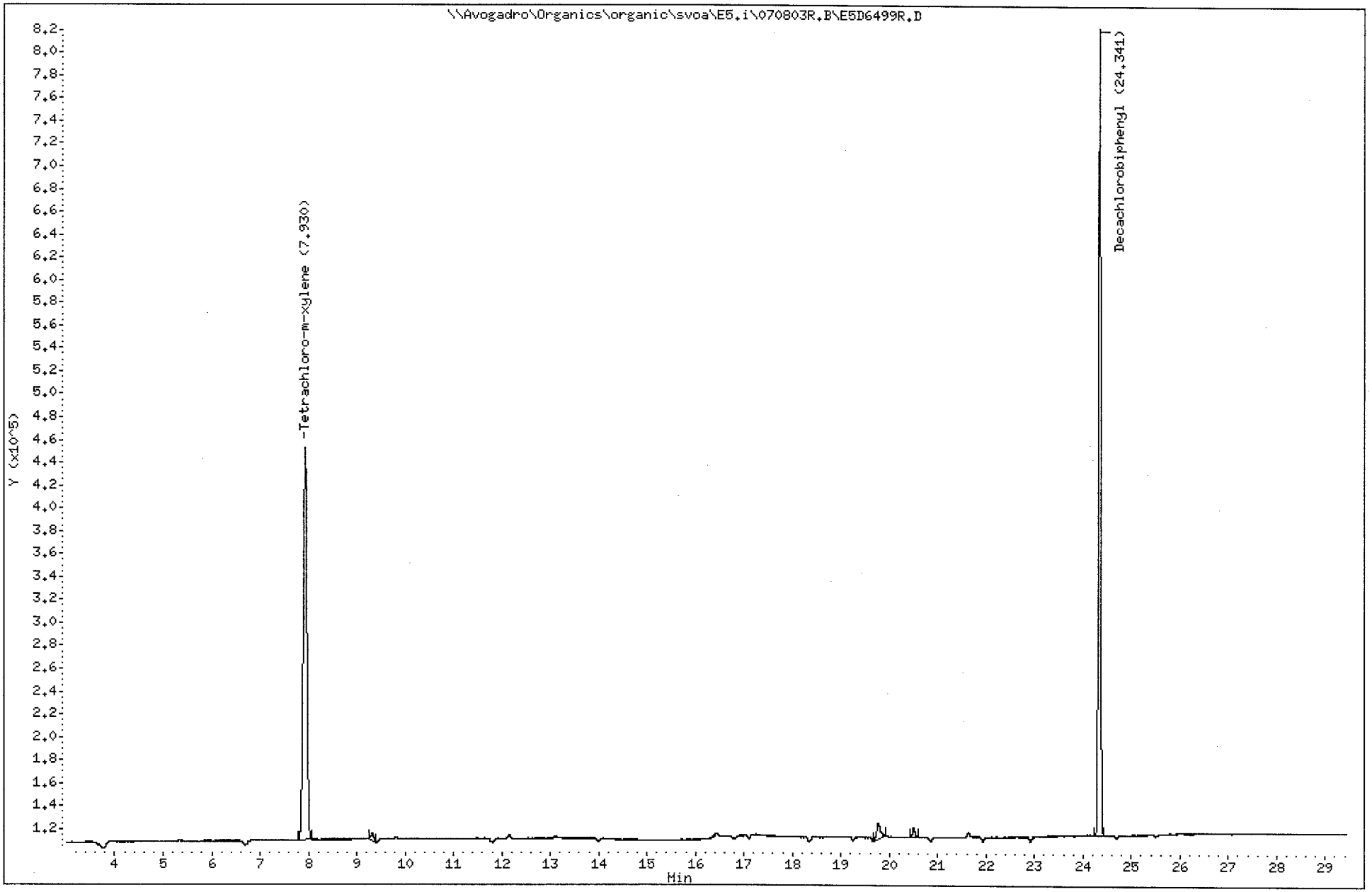
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\E5D6499F.D
Date : 03-AUG-2007 13:13
Client ID: PIBLKUP
Instrument: E5.i
Sample Info: PIBLKUP,PIBLKUP,,,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPEST
Column diameter: 0.53



9519

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\E5D6499R.D
Date : 03-AUG-2007 13:13
Client ID: PIBLKUP
Instrument: E5.i
Sample Info: PIBLKUP,PIBLKUP,,,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPESTII
Column diameter: 0.53



Data File: E5D6499F.D
Report Date: 14-Aug-2007 11:17

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\E5D6499F.D
Lab Smp Id: PIBLKUP Client Smp ID: PIBLKUP
Inj Date : 03-AUG-2007 13:13
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : PIBLKUP,PIBLKUP,,,,
Misc Info : 3,,INSTBLANK,1,,
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\clp-e5f.m
Meth Date : 14-Aug-2007 11:17 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: CLP.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.736	5.711	0.025	3460082	0.01900	0.19		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
21.822	21.810	0.012	4698028	0.01932	0.19		

8/14/07

Data File: E5D6499R.D
Report Date: 14-Aug-2007 11:18

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\E5D6499R.D
Lab Smp Id: PIBLKUP Client Smp ID: PIBLKUP
Inj Date : 03-AUG-2007 13:13
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : PIBLKUP,PIBLKUP,,,,
Misc Info : 3,,INSTBLANK,1,,
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\clp-e5r.m
Meth Date : 14-Aug-2007 11:18 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: CLP.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.930	7.903	0.027	1812906	0.01853	0.19		
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3		
24.341	24.329	0.012	2199188	0.01819	0.18		

8/14/07

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PIBLKUQ

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: PIBLKUQ

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5D6511F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) _____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/03/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKUQ

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: PIBLKUQ

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5D6511R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) _____ Date Extracted: _____

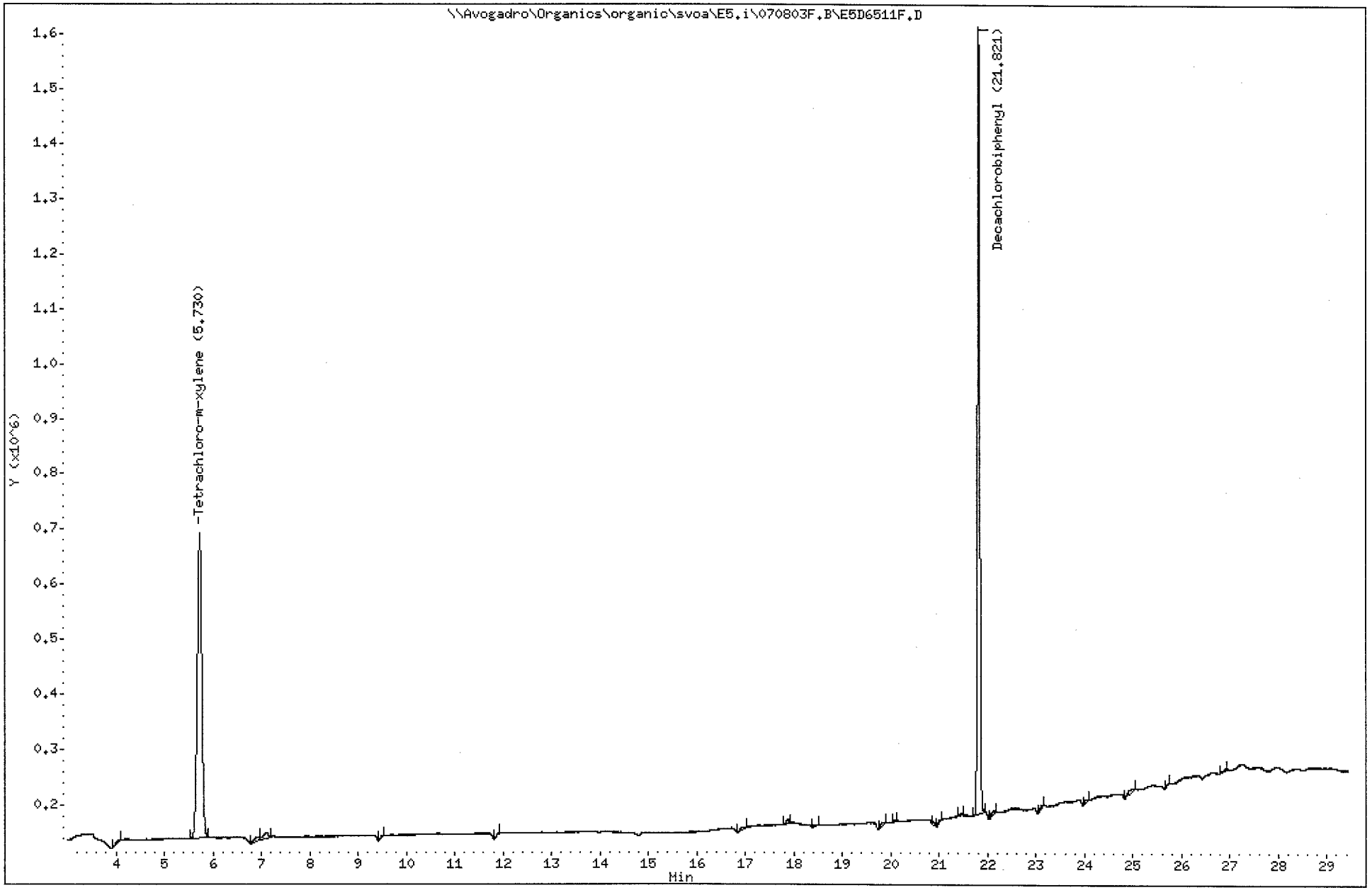
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/03/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

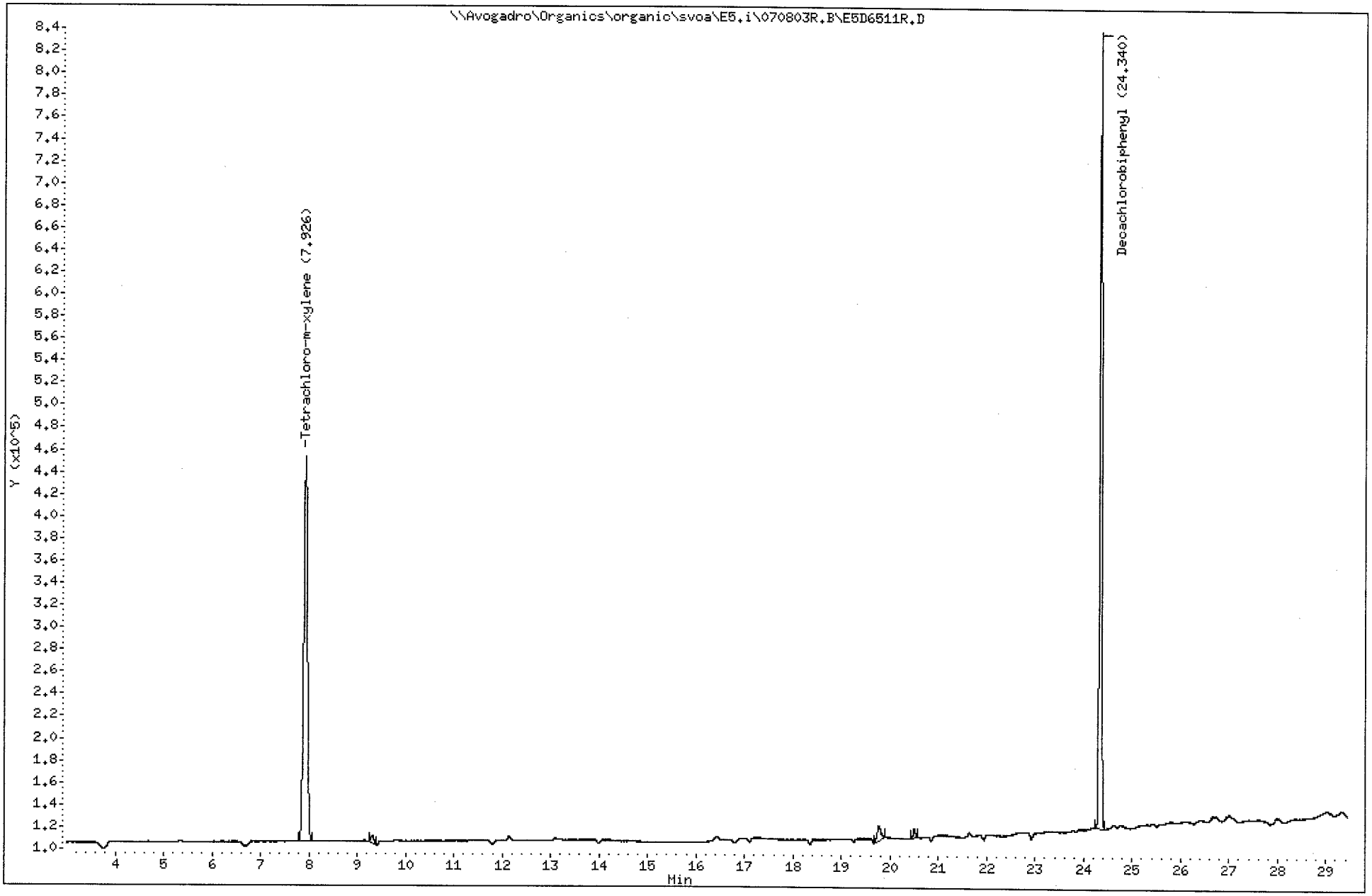
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\E5D6511F.D
Date : 03-AUG-2007 19:50
Client ID: PIBLKUQ
Instrument: E5.i
Sample Info: PIBLKUQ,PIBLKUQ,,,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPEST
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\E5D6511R.D
Date : 03-AUG-2007 19:50
Client ID: PIBLKUQ
Sample Info: PIBLKUQ,PIBLKUQ,,,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E5.i
Operator: SZ SRC: SZ
Column diameter: 0.53



Data File: E5D6511F.D
Report Date: 14-Aug-2007 11:17

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\E5D6511F.D
Lab Smp Id: PIBLKUQ Client Smp ID: PIBLKUQ
Inj Date : 03-AUG-2007 19:50
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : PIBLKUQ,PIBLKUQ,,,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\clp-e5f.m
Meth Date : 14-Aug-2007 11:17 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: CLP.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)		
RT	EXP RT	DLT RT	RESPONSE			TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.730	5.711	0.019	3557135	0.01953	0.20		
$ 2 Decachlorobiphenyl						CAS #: 2051-24-3	
21.821	21.810	0.011	4626585	0.01903	0.19		

Data File: E5D6511R.D
Report Date: 14-Aug-2007 11:18

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\E5D6511R.D
Lab Smp Id: PIBLKUQ Client Smp ID: PIBLKUQ
Inj Date : 03-AUG-2007 19:50
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : PIBLKUQ,PIBLKUQ,,,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\clp-e5r.m
Meth Date : 14-Aug-2007 11:18 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: CLP.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.926	7.903	0.023	1854929	0.01896	0.19		
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3		
24.340	24.329	0.011	2233080	0.01847	0.18		

8/14/07

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKUU

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: PIBLKUU

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5D6650F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

Concentrated Extract Volume: 10000(uL) Date Analyzed: 08/11/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKUU

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: PIBLKUU

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5D6650R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) ____ Date Extracted: _____

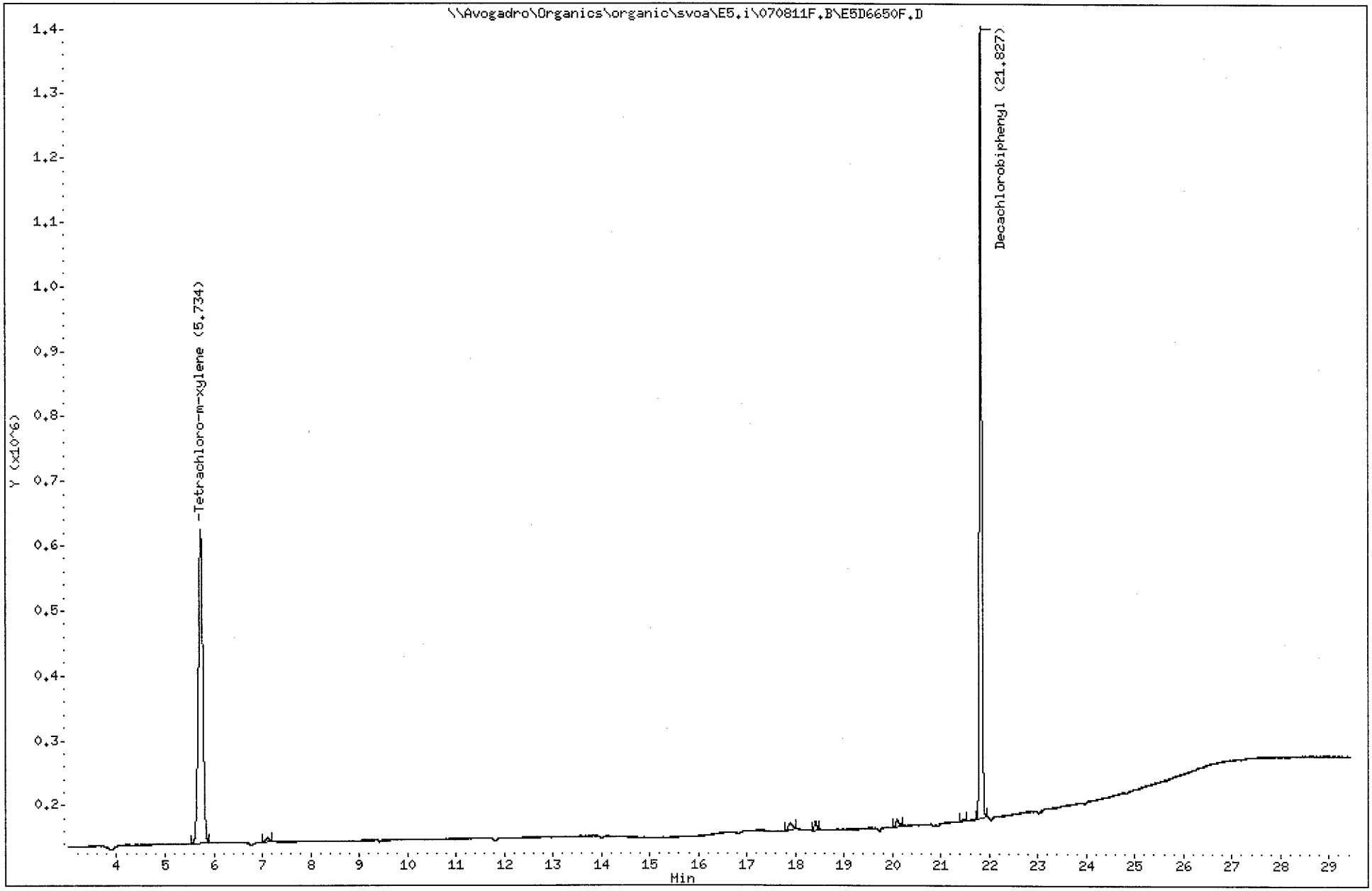
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/11/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

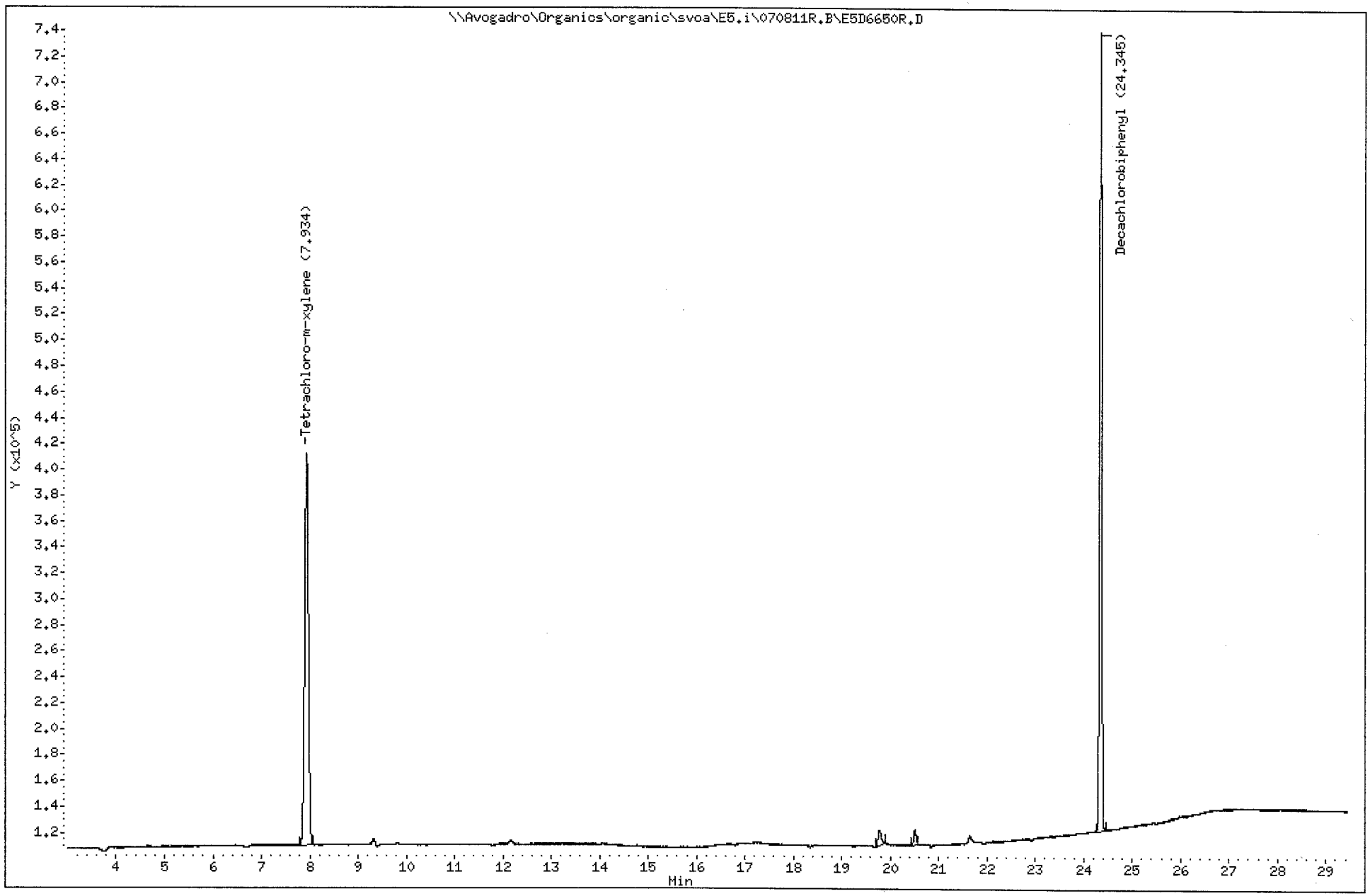
GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\E5D6650F.D
Date : 11-AUG-2007 11:59
Client ID: PIBLKUU
Instrument: E5.i
Sample Info: PIBLKUU,PIBLKUU,,,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPEST
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\E5D6650R.D
Date : 11-AUG-2007 11:59
Client ID: PIBLKUU
Instrument: E5.i
Sample Info: PIBLKUU,PIBLKUU,,,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPESTII
Column diameter: 0.53



GLP

Data File: E5D6650F.D
Report Date: 14-Aug-2007 11:25

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\E5D6650F.D
Lab Smp Id: PIBLKUU Client Smp ID: PIBLKUU
Inj Date : 11-AUG-2007 11:59
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : PIBLKUU,PIBLKUU,,,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\clp-e5f.m
Meth Date : 14-Aug-2007 11:25 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: CLP.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.734	5.711	0.023	3061835	0.01681	0.17		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
21.826	21.810	0.016	3982599	0.01638	0.16		

8/14/07

Data File: E5D6650R.D
Report Date: 14-Aug-2007 11:28

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\E5D6650R.D
Lab Smp Id: PIBLKUU Client Smp ID: PIBLKUU
Inj Date : 11-AUG-2007 11:59
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : PIBLKUU,PIBLKUU,,,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\clp-e5r.m
Meth Date : 14-Aug-2007 11:28 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: CLP.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
7.934	7.903	0.031	1607581	0.01643	0.16		
$ 3 Decachlorobiphenyl						CAS #: 2051-24-3	
24.344	24.329	0.015	1914242	0.01583	0.16		

8/14/07

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKUV

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: PIBLKUV

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5D6664F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) _____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/11/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKUV

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: PIBLKUV

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5D6664R

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) _____ Date Extracted: _____

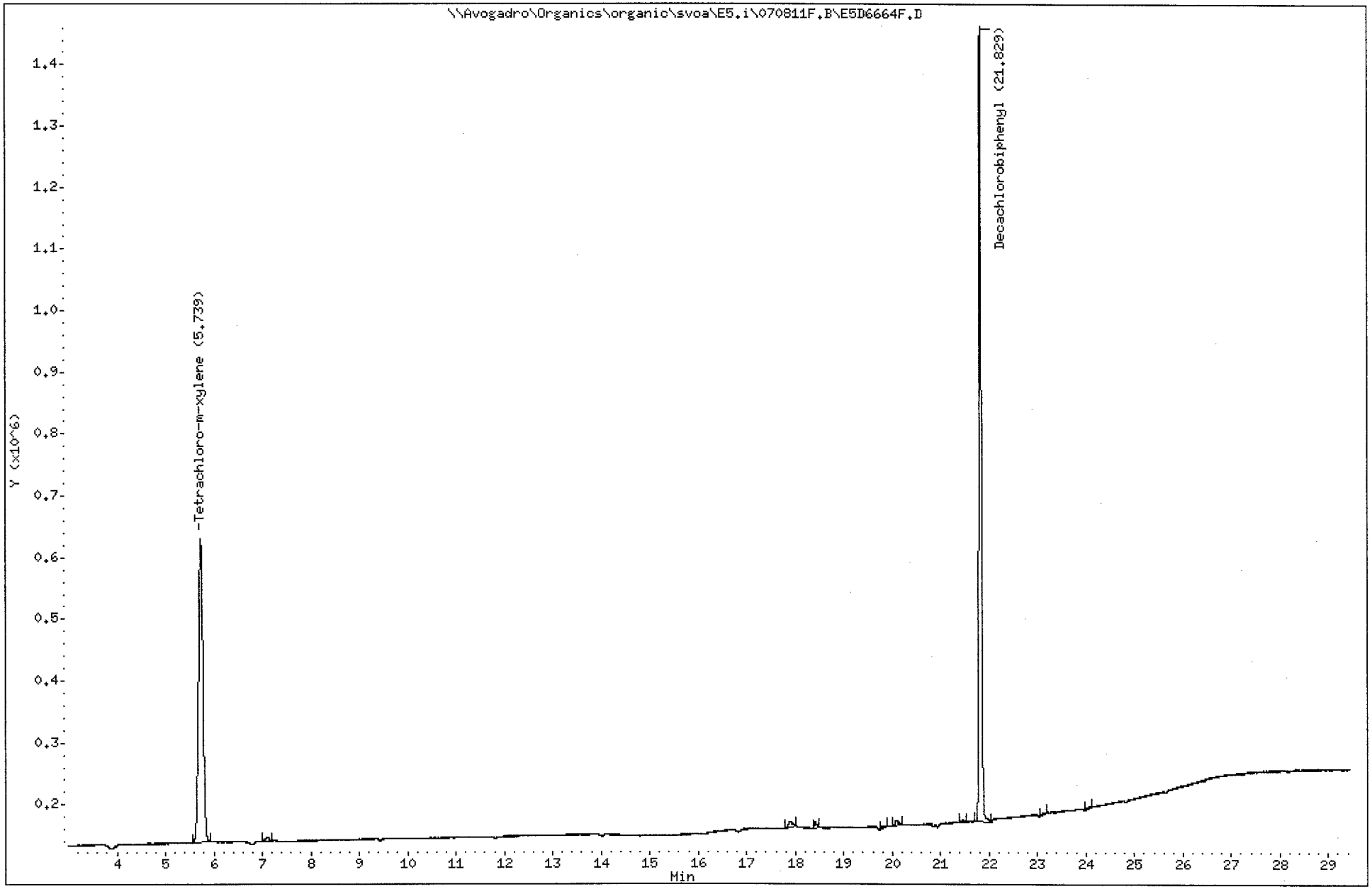
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/11/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\E5D6664F.D
Date : 11-AUG-2007 20:19
Client ID: PIBLKUV
Instrument: E5.i
Sample Info: PIBLKUV,PIBLKUV,,,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPEST
Column diameter: 0.53



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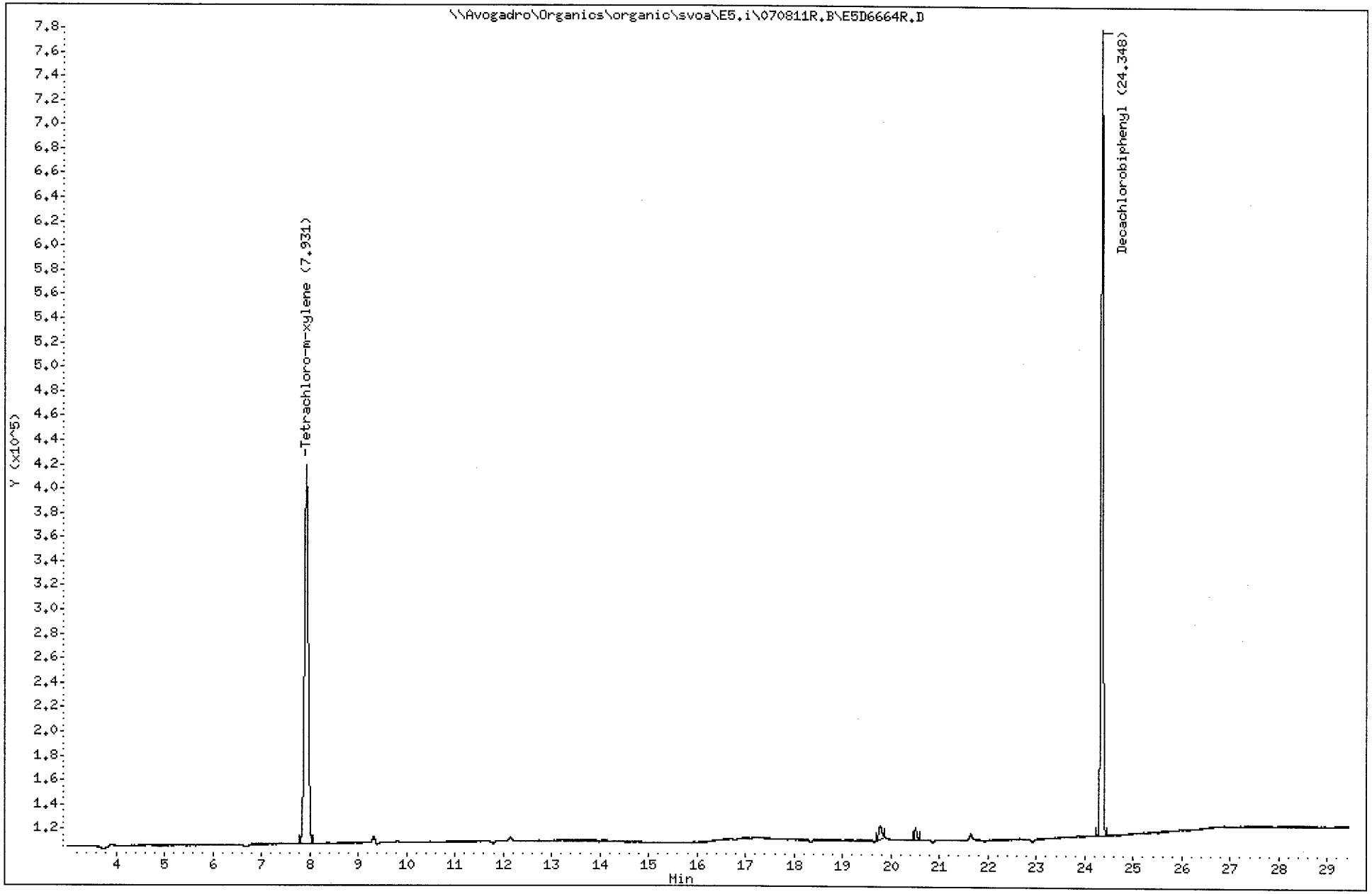
Date : 11-AUG-2007 20:19
Client ID: PIBLKUV
Instrument: E5.i
Sample Info: PIBLKUV,PIBLKUV,,,,
Volume Injected (uL): 1.0
Operator: SZ SRC: SZ
Column phase: CLPPESTII
Column diameter: 0.53



Data File: E5D6664F.D
Report Date: 14-Aug-2007 11:25

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\E5D6664F.D
Lab Smp Id: PIBLKUV Client Smp ID: PIBLKUV
Inj Date : 11-AUG-2007 20:19
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : PIBLKUV,PIBLKUV,,,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\clp-e5f.m
Meth Date : 14-Aug-2007 11:25 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: CLP.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.738	5.711	0.027	3131891	0.01720	0.17		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
21.828	21.810	0.018	4310041	0.01773	0.18		

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Data File: E5D6664R.D
Report Date: 14-Aug-2007 11:28

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\E5D6664R.D
Lab Smp Id: PIBLKUV Client Smp ID: PIBLKUV
Inj Date : 11-AUG-2007 20:19
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : PIBLKUV,PIBLKUV,,,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\clp-e5r.m
Meth Date : 14-Aug-2007 11:28 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 100 QC Sample: INSTBLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: CLP.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
7.931	7.903	0.028	1638823	0.01675	0.17		
$ 3 Decachlorobiphenyl						CAS #: 2051-24-3	
24.347	24.329	0.018	2076055	0.01717	0.17		

8/14/07

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

P5KLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) SOIL Lab Sample ID: LCS-31475

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E5D6503F

% Moisture: 0 Decanted: (Y/N) N Date Received: _____

Extraction: (Type) SONC Date Extracted: 08/01/07

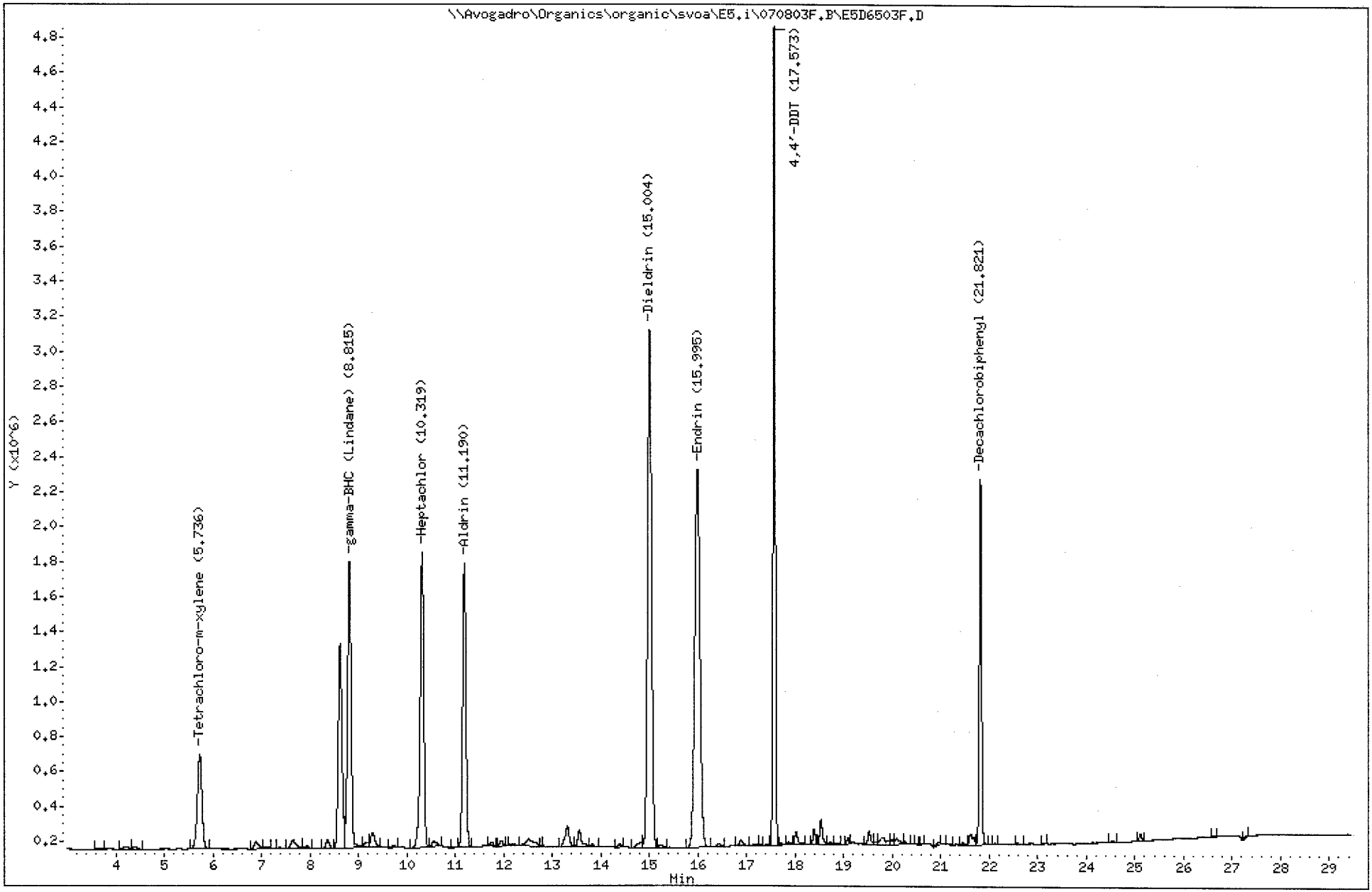
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/03/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

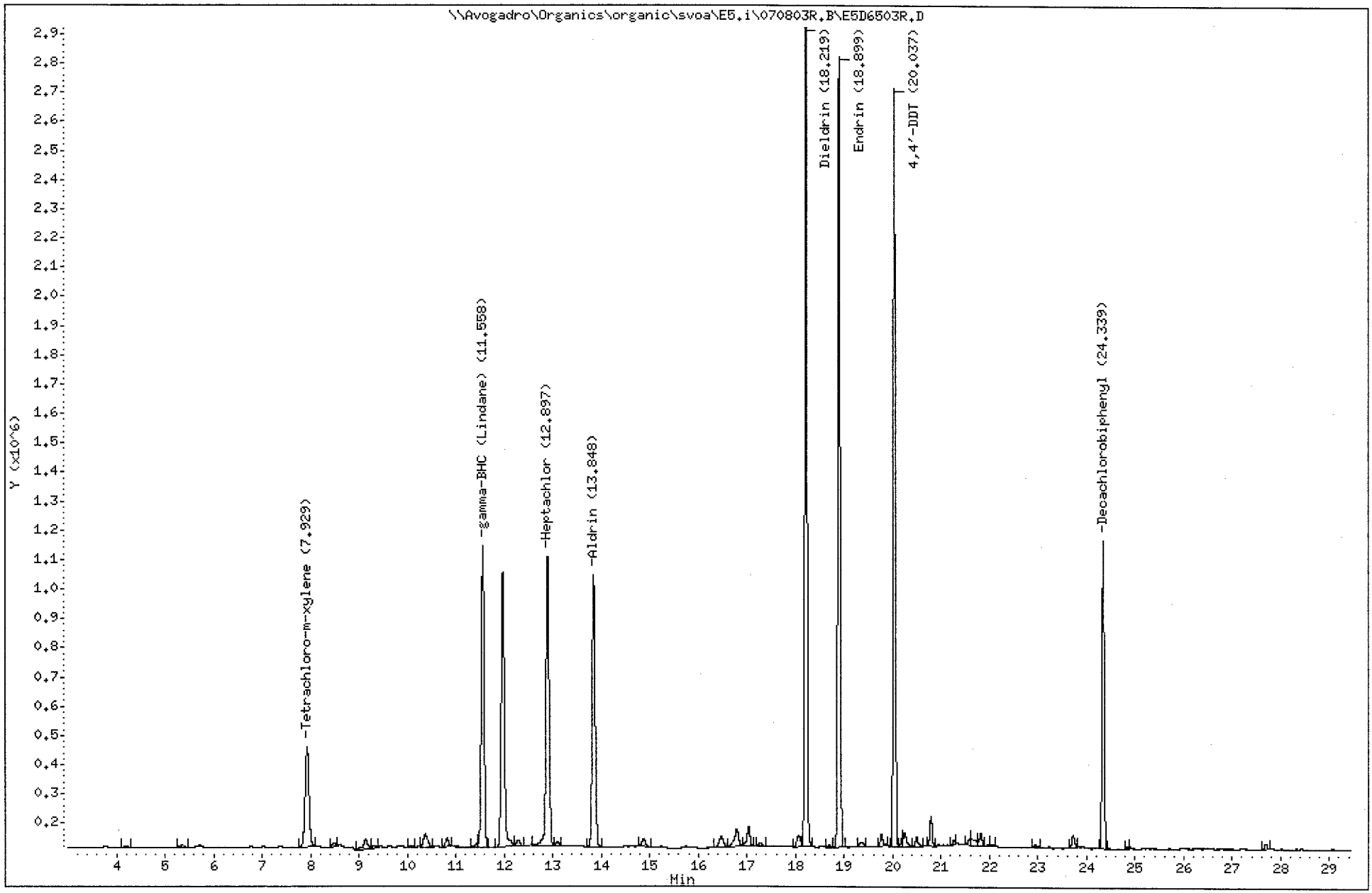
GPC Cleanup: (Y/N) Y pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	9.0	
76-44-8	Heptachlor	9.4	
309-00-2	Aldrin	9.3	
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	21	
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	26	
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	21	
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\E5D6503F.D
Date : 03-AUG-2007 15:25
Client ID: P5KLCS
Instrument: E5.i
Sample Info: LCS-31475,P5KLCS,31475,clp,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: LIMS
Column phase: CLPPEST
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\E5D6503R.D
Date : 03-AUG-2007 15:25
Client ID: P5KLCS
Instrument: E5.i
Sample Info: LCS-31475,P5KLCS,31475,clp,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



Data File: E5D6503F.D
Report Date: 14-Aug-2007 11:17

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\E5D6503F.D
Lab Smp Id: LCS-31475 Client Smp ID: P5KLCS
Inj Date : 03-AUG-2007 15:25
Operator : SZ SRC: LIMS Inst ID: E5.i
Smp Info : LCS-31475,P5KLCS,31475,clp.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\clp-e5f.m
Meth Date : 14-Aug-2007 11:17 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.736	5.711	0.025	3547234	0.01948	6.5		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
21.821	21.810	0.011	6755263	0.02778	9.3		
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
8.815	8.794	0.021	8469132	0.02973	9.9		
5 Heptachlor					CAS #: 76-44-8		
10.318	10.297	0.021	8617668	0.02935	9.8		
6 Aldrin					CAS #: 309-00-2		
11.190	11.170	0.020	7683210	0.02872	9.6		
14 Dieldrin					CAS #: 60-57-1		
15.004	14.986	0.018	17021553	0.06522	22		

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Data File: E5D6503F.D
Report Date: 14-Aug-2007 11:17

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
15 Endrin					CAS #: 72-20-8		
15.995	15.963	0.032	16351644	0.08228	27		
18 4,4'-DDT					CAS #: 50-29-3		
17.572	17.561	0.011	14178587	0.06196	21		

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8/14/07

Data File: E5D6503R.D
Report Date: 14-Aug-2007 11:18

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\E5D6503R.D
Lab Smp Id: LCS-31475 Client Smp ID: P5KLCS
Inj Date : 03-AUG-2007 15:25
Operator : SZ SRC: LIMS Inst ID: E5.i
Smp Info : LCS-31475,P5KLCS,31475,clp.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070803R.B\clp-e5r.m
Meth Date : 14-Aug-2007 11:18 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: SOIL

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.929	7.903	0.026	1878285	0.01920	6.4		
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3		
24.339	24.329	0.010	3235665	0.02676	8.9		
5 gamma-BHC (Lindane)					CAS #: 58-89-9		
11.557	11.536	0.021	4284487	0.02708	9.0		
6 Heptachlor					CAS #: 76-44-8		
12.896	12.875	0.021	4484843	0.02813	9.4		
7 Aldrin					CAS #: 309-00-2		
13.847	13.828	0.019	3981459	0.02781	9.3		
15 Dieldrin					CAS #: 60-57-1		
18.218	18.203	0.015	8910908	0.06274	21		

8/14/07

Data File: E5D6503R.D
Report Date: 14-Aug-2007 11:18

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
16 Endrin					CAS #: 72-20-8		
18.899	18.885	0.014	8403593	0.07806	26		
19 4,4'-DDT					CAS #: 50-29-3		
20.036	20.023	0.013	7625369	0.06498	22		

8/14/07

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

P5ULCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: LCS-31534

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5D6653F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) SEPF Date Extracted: 08/03/07

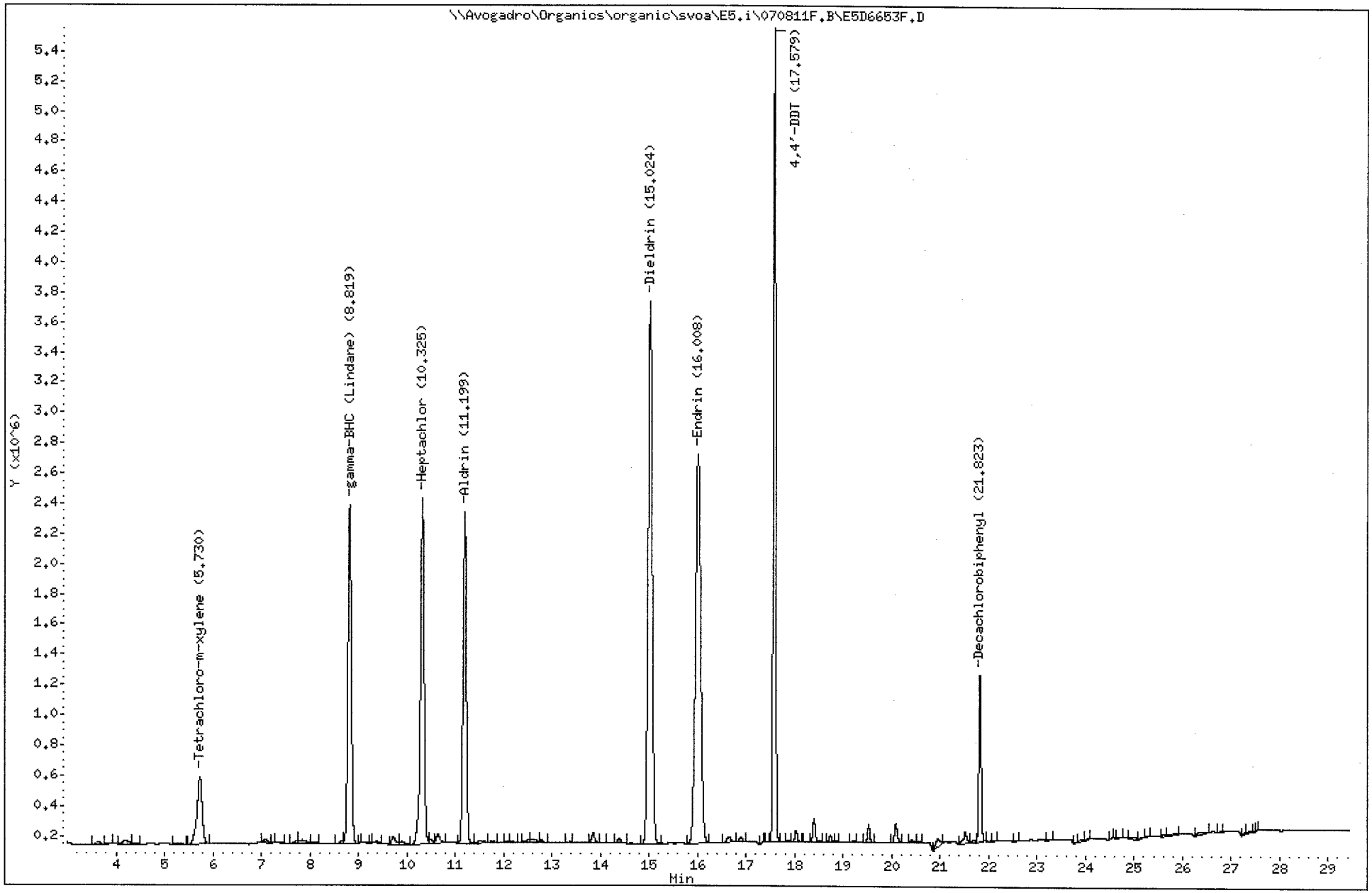
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/11/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.38	
76-44-8	Heptachlor	0.37	
309-00-2	Aldrin	0.37	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.79	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.96	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.78	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

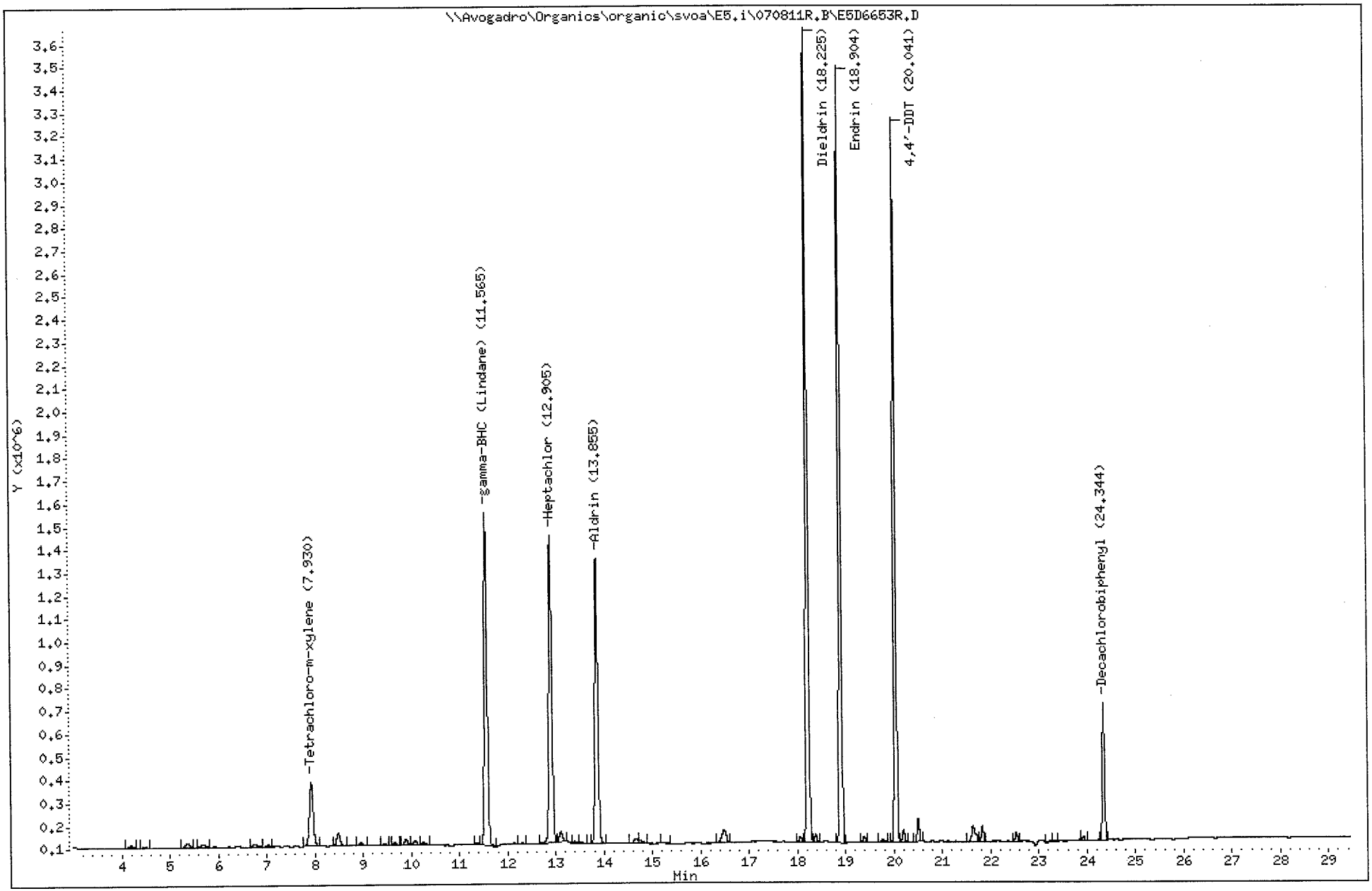
Data File: \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\E5D6653F.D
Date : 11-AUG-2007 14:15
Client ID: P5ULCS
Instrument: E5.i
Sample Info: LCS-31534,P5ULCS,31534,clp,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: LIMS
Column phase: CLPPEST
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\E5D6653R.D
Date : 11-AUG-2007 14:15
Client ID: P5ULCS
Sample Info: LCS-31534,P5ULCS,31534,clp,sub,,
Volume Injected (uL): 1.0
Column phase: CLPPESTII

Instrument: E5.i

Operator: SZ SRC: LIMS
Column diameter: 0.53



Data File: E5D6653F.D
Report Date: 14-Aug-2007 11:25

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\E5D6653F.D
Lab Smp Id: LCS-31534 Client Smp ID: P5ULCS
Inj Date : 11-AUG-2007 14:15
Operator : SZ SRC: LIMS Inst ID: E5.i
Smp Info : LCS-31534,P5ULCS,31534,clp.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\clp-e5f.m
Meth Date : 14-Aug-2007 11:25 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.729	5.711	0.018	3304231	0.01815	0.18		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
21.822	21.810	0.012	3624265	0.01491	0.15		
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
8.819	8.794	0.025	11039609	0.03876	0.39		
5 Heptachlor					CAS #: 76-44-8		
10.325	10.297	0.028	11976067	0.04079	0.41		
6 Aldrin					CAS #: 309-00-2		
11.198	11.170	0.028	10231036	0.03825	0.38		
14 Dieldrin					CAS #: 60-57-1		
15.023	14.986	0.037	20715411	0.07938	0.79		
15 Endrin					CAS #: 72-20-8		
16.007	15.963	0.044	19609722	0.09867	0.99		

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8/14/07

Data File: E5D6653F.D
Report Date: 14-Aug-2007 11:25

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
18 4,4'-DDT					CAS #: 50-29-3		
17.579	17.561	0.018	17890020	0.07817	0.78		

8/14/07

Data File: E5D6653R.D
Report Date: 14-Aug-2007 11:28

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\E5D6653R.D
Lab Smp Id: LCS-31534 Client Smp ID: P5ULCS
Inj Date : 11-AUG-2007 14:15
Operator : SZ SRC: LIMS Inst ID: E5.i
Smp Info : LCS-31534,P5ULCS,31534,clp.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\clp-e5r.m
Meth Date : 14-Aug-2007 11:28 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.930	7.903	0.027	1507165	0.01541	0.15		
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3		
24.343	24.329	0.014	1818881	0.01504	0.15		
5 gamma-BHC (Lindane)					CAS #: 58-89-9		
11.565	11.536	0.029	6024199	0.03808	0.38		
6 Heptachlor					CAS #: 76-44-8		
12.904	12.875	0.029	5849830	0.03669	0.37		
7 Aldrin					CAS #: 309-00-2		
13.855	13.828	0.027	5291928	0.03697	0.37		
15 Dieldrin					CAS #: 60-57-1		
18.225	18.203	0.022	11150082	0.07850	0.79		
16 Endrin					CAS #: 72-20-8		
18.903	18.885	0.018	10334349	0.09600	0.96		

Data File: E5D6653R.D
Report Date: 14-Aug-2007 11:28

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
19 4,4'-DDT					CAS #: 50-29-3		
20.041	20.023	0.018	9200919	0.07841	0.78		

1E

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

P5ULCSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1025

Matrix: (soil/water) WATER Lab Sample ID: LCSD-31534

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E5D6654F

% Moisture: _____ Decanted: (Y/N) ___ Date Received: _____

Extraction: (Type) SEPF Date Extracted: 08/03/07

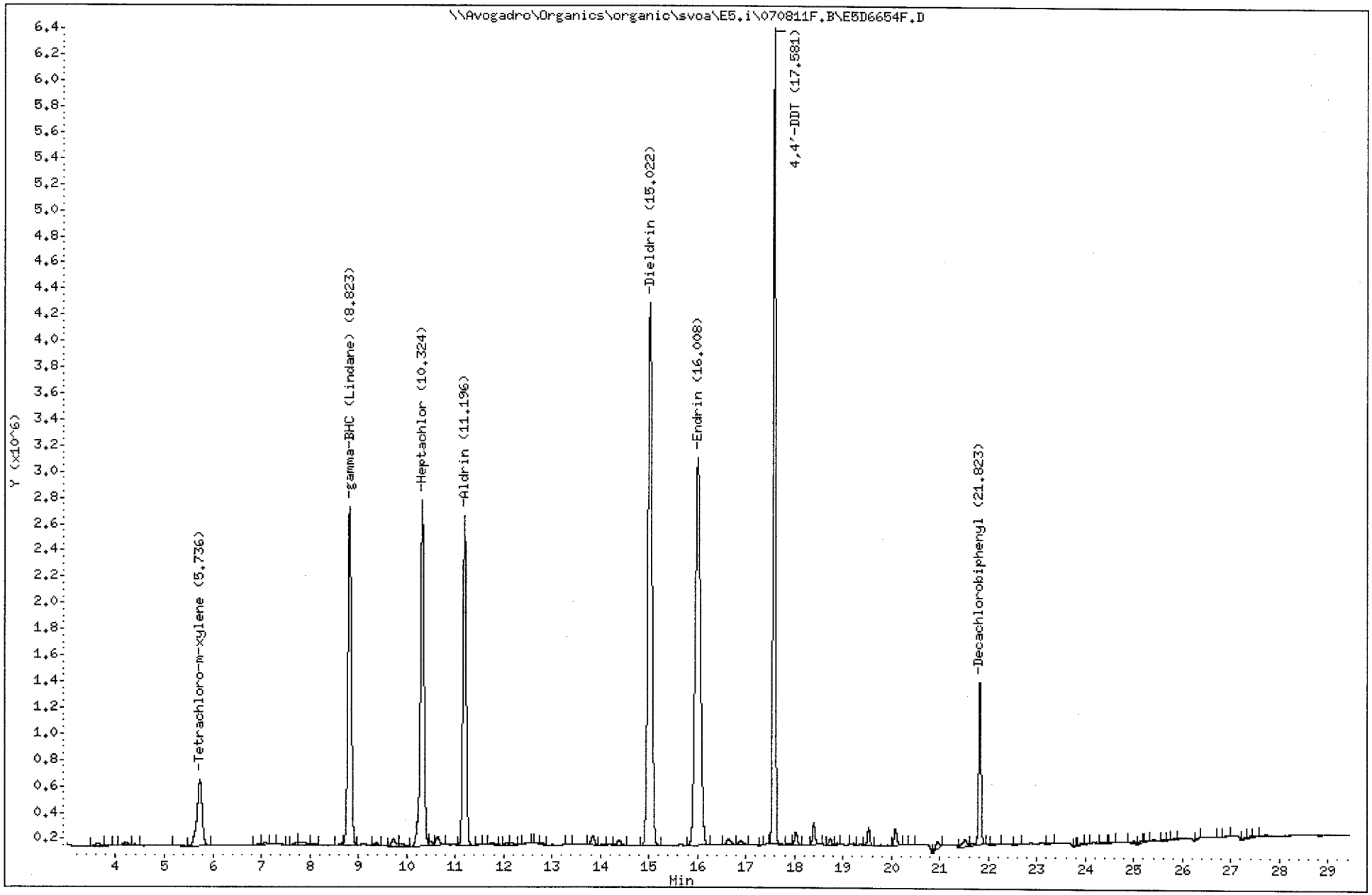
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/11/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

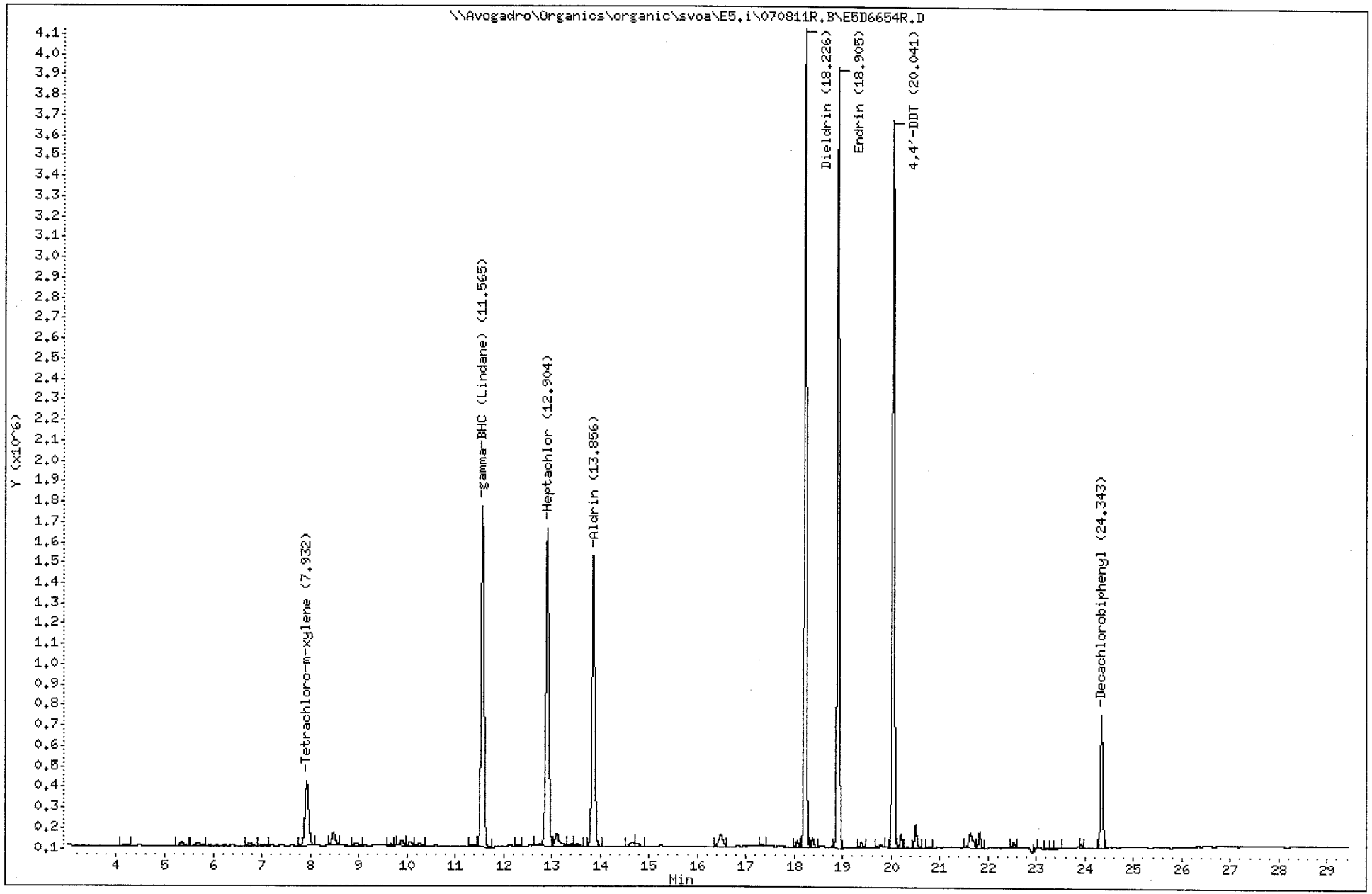
GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.44	
76-44-8	Heptachlor	0.42	
309-00-2	Aldrin	0.42	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.90	
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	1.1	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.89	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\E5D6654F.D
Date : 11-AUG-2007 14:48
Client ID: P5ULCSD
Instrument: E5.i
Sample Info: LCSD-31534,P5ULCSD,31534,clp,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: LIMS
Column phase: CLPPEST
Column diameter: 0.53



Data File: \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\E5D6654R.D
Date : 11-AUG-2007 14:48
Client ID: P5ULCSD
Instrument: E5.i
Sample Info: LCSD-31534,P5ULCSD,31534,clp,sub,,
Volume Injected (uL): 1.0
Operator: SZ SRC: LIMS
Column phase: CLPPESTII
Column diameter: 0.53



Data File: E5D6654F.D
Report Date: 14-Aug-2007 11:25

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\E5D6654F.D
Lab Smp Id: LCSD-31534 Client Smp ID: P5ULCSD
Inj Date : 11-AUG-2007 14:48
Operator : SZ SRC: LIMS Inst ID: E5.i
Smp Info : LCSD-31534,P5ULCSD,31534,clp.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070811F.B\clp-e5f.m
Meth Date : 14-Aug-2007 11:25 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 4 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.736	5.711	0.025	3720039	0.02043	0.20		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
21.823	21.810	0.013	4064305	0.01672	0.17		
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
8.823	8.794	0.029	12717290	0.04465	0.45		
5 Heptachlor					CAS #: 76-44-8		
10.323	10.297	0.026	13768633	0.04689	0.47		
6 Aldrin					CAS #: 309-00-2		
11.196	11.170	0.026	11803611	0.04413	0.44		
14 Dieldrin					CAS #: 60-57-1		
15.022	14.986	0.036	23891305	0.09155	0.92		
15 Endrin					CAS #: 72-20-8		
16.008	15.963	0.045	22526426	0.11335	1.1		

8/14/07

Data File: E5D6654F.D
Report Date: 14-Aug-2007 11:25

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
18 4,4'-DDT					CAS #: 50-29-3		
17.581	17.561	0.020	20629157	0.09014	0.90		

X0
8/14/07

Data File: E5D6654R.D
Report Date: 14-Aug-2007 11:28

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\E5D6654R.D
Lab Smp Id: LCSD-31534 Client Smp ID: P5ULCSD
Inj Date : 11-AUG-2007 14:48
Operator : SZ SRC: LIMS Inst ID: E5.i
Smp Info : LCSD-31534,P5ULCSD,31534,clp.sub,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070811R.B\clp-e5r.m
Meth Date : 14-Aug-2007 11:28 E5.i Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181R.D
Als bottle: 4 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: clp.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
7.932	7.903	0.029	1689828	0.01727	0.17		
$ 3 Decachlorobiphenyl					CAS #: 2051-24-3		
24.343	24.329	0.014	2016491	0.01668	0.17		
5 gamma-BHC (Lindane)					CAS #: 58-89-9		
11.564	11.536	0.028	6925350	0.04378	0.44		
6 Heptachlor					CAS #: 76-44-8		
12.903	12.875	0.028	6757079	0.04238	0.42		
7 Aldrin					CAS #: 309-00-2		
13.855	13.828	0.027	6082074	0.04249	0.42		
15 Dieldrin					CAS #: 60-57-1		
18.226	18.203	0.023	12743475	0.08972	0.90		
16 Endrin					CAS #: 72-20-8		
18.904	18.885	0.019	11755189	0.10919	1.1		

8/14/07

0507

Data File: E5D6654R.D
Report Date: 14-Aug-2007 11:28

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
19 4,4'-DDT					CAS #: 50-29-3		
20.041	20.023	0.018	10437631	0.08895	0.89		

8/14/07

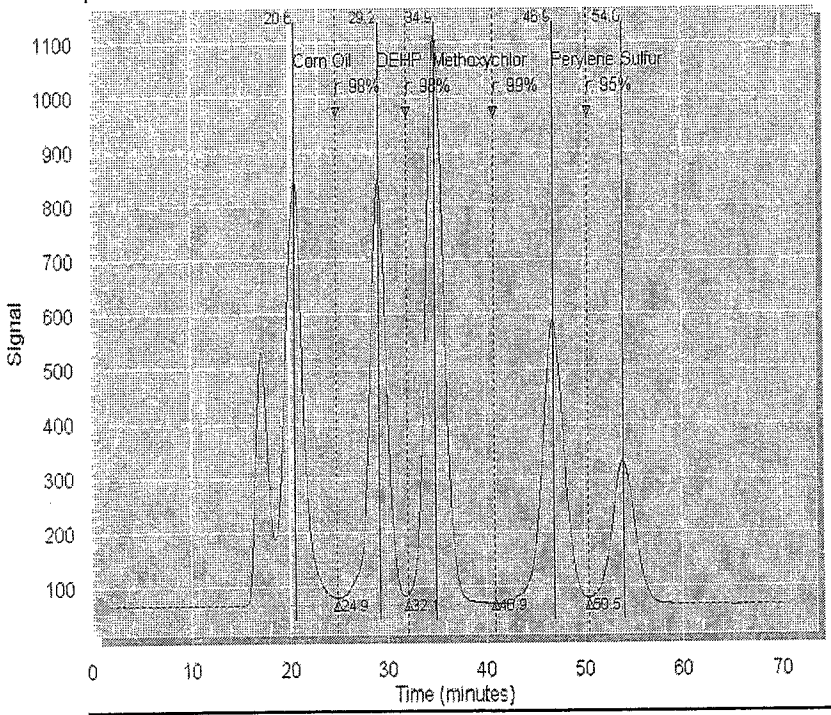
Print Date: 7/30/2007
Print Time: 4:08:24PM

Column Calibration Report

Sample ID: GPC3070730-UV2
Sequence: GPC3070730UV
Description: sample
Volume: 5000
Method: GPC CALIBRATION
Position: 3
Outcome: Sample processed normally

Start Time: 14:44:29, 07/30/07
End Time: 15:56:46, 07/30/07
Column Name: DCMTrad
Description: DCM Trad
Serial #:
Pressure Limit: 30

Sequence: GPC3070730UV, Sample: [3] GPC3070730-UV2



GPC3070730-UV2

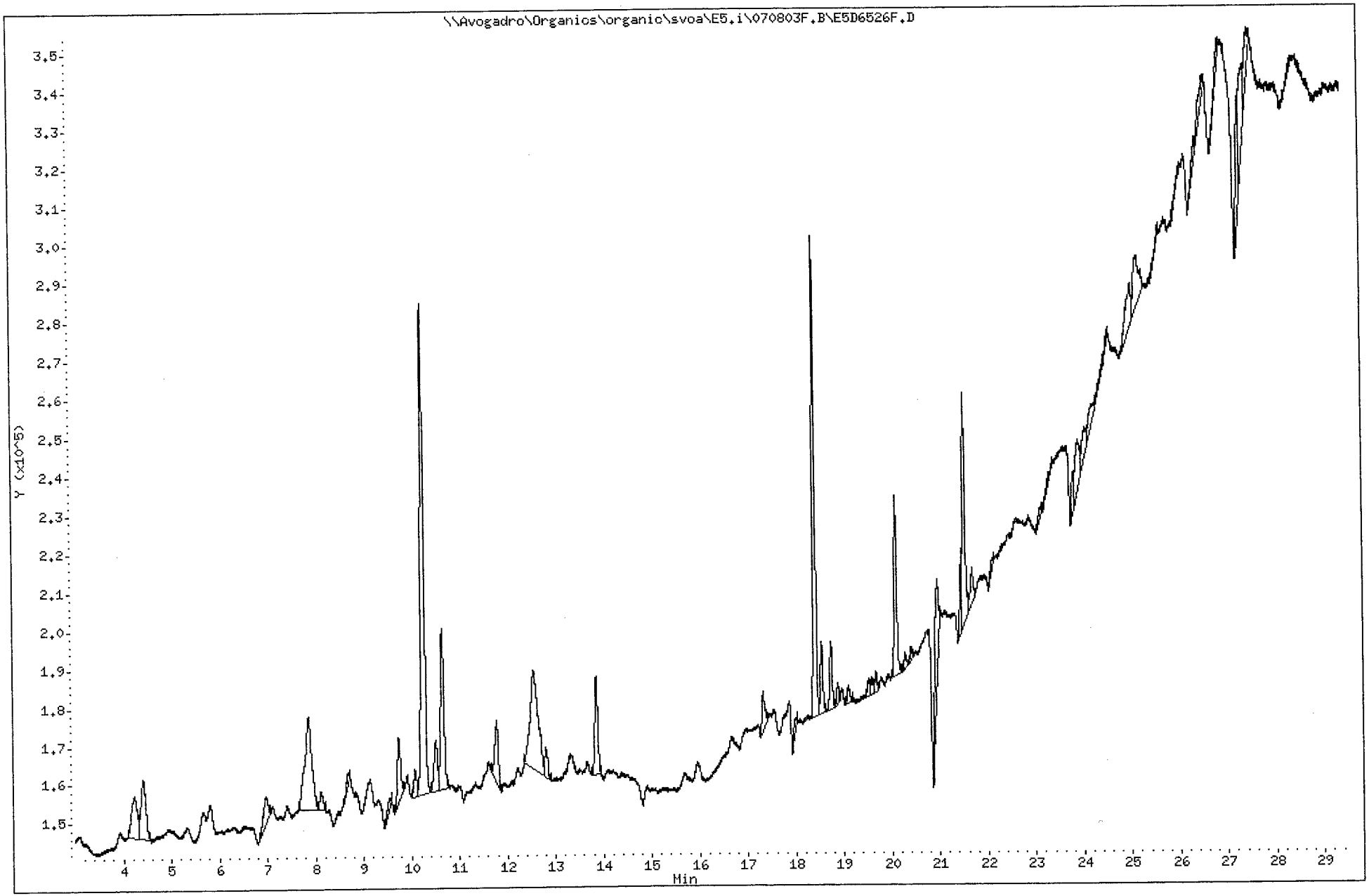
Peak	Sample	Retention Time	Pk Ht	Base	Res.	Tol.	P/F
1	Corn Oil	20.6	68	67.7			
2	DEHP	29.2	68	67.7	98.0	85.0	P
3	Methoxychlor	34.9	68	67.7	97.6	85.0	P
4	Perylene	46.9	68	67.7	99.4	85.0	P
5	Sulfur	54.0	68	67.7	95.3	85.0	P

0509

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\E5D6526F.D
Date : 04-AUG-2007 11:29
Client ID:
Sample Info: GPC30730-PB,,,,,
Volume Injected (uL): 1.0
Column phase: CLPPEST

Instrument: E5.i

Operator: SZ SRC: SZ
Column diameter: 0.53



Data File: E5D6526F.D
Report Date: 04-Aug-2007 13:30

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\E5D6526F.D
Lab Smp Id: GPC30730-PB
Inj Date : 04-AUG-2007 11:29
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : GPC30730-PB,,,,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\clp-e5f.m
Meth Date : 04-Aug-2007 11:00 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 20
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: CLP.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: TARGET107

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

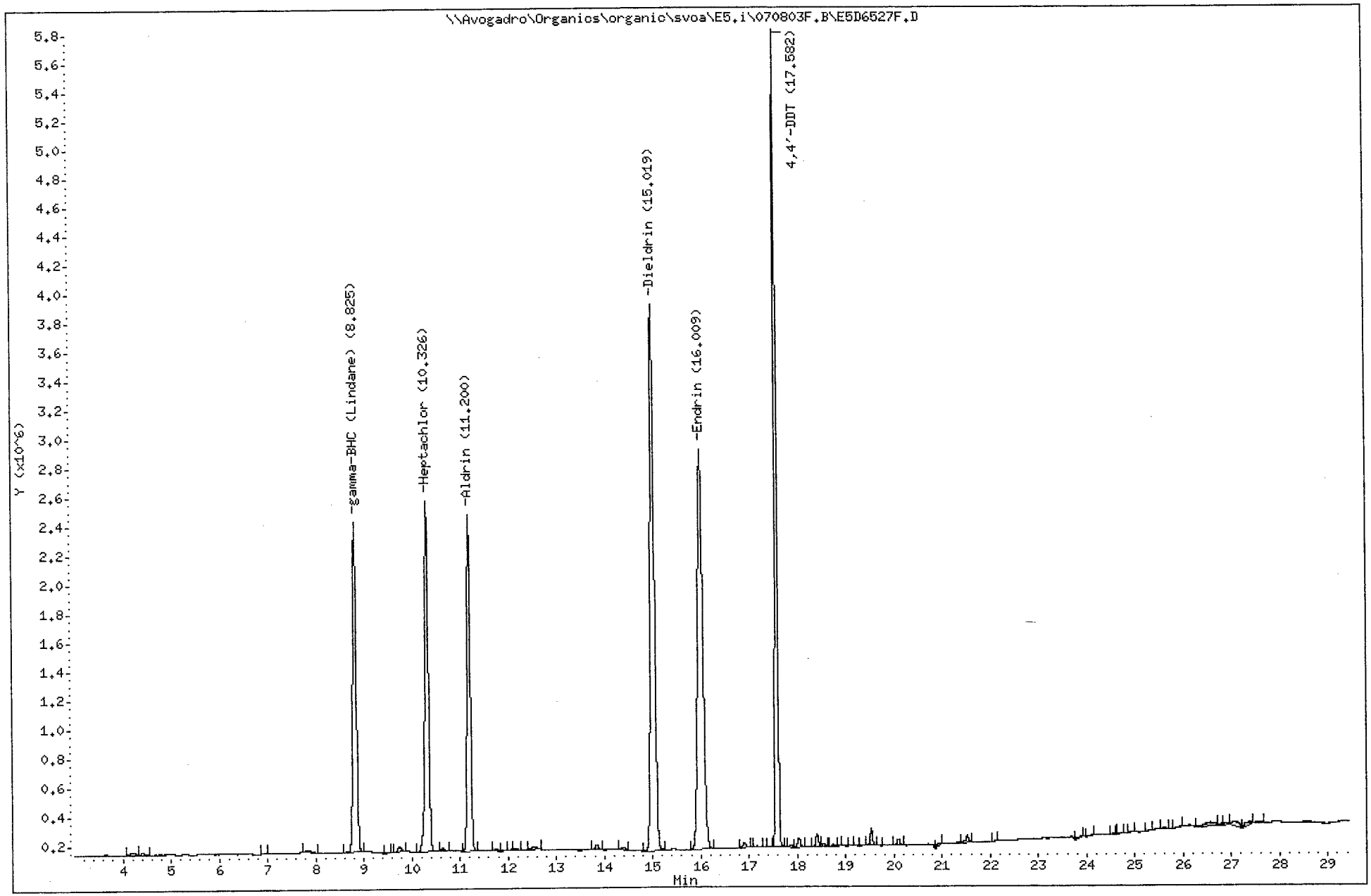
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
====	========	========	========	=======	=======	==========	=====

8/dfm

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\E5D6527F.D
Date : 04-AUG-2007 12:02
Client ID:
Sample Info: GPC30730-PMS,,,,GPC.SUB,
Volume Injected (uL): 1.0
Column phase: CLPPEST

Instrument: E5.i

Operator: SZ SRC: SZ
Column diameter: 0.53



Data File: E5D6527F.D
Report Date: 04-Aug-2007 13:30

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\E5D6527F.D
Lab Smp Id: GPC30730-PMS
Inj Date : 04-AUG-2007 12:02
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : GPC30730-PMS,,,,GPC.SUB,
Misc Info : 3,,GPCCAL,1,,1000
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\clp-e5f.m
Meth Date : 04-Aug-2007 11:00 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 21 QC Sample: GPCCAL
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: gpc.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: WATER

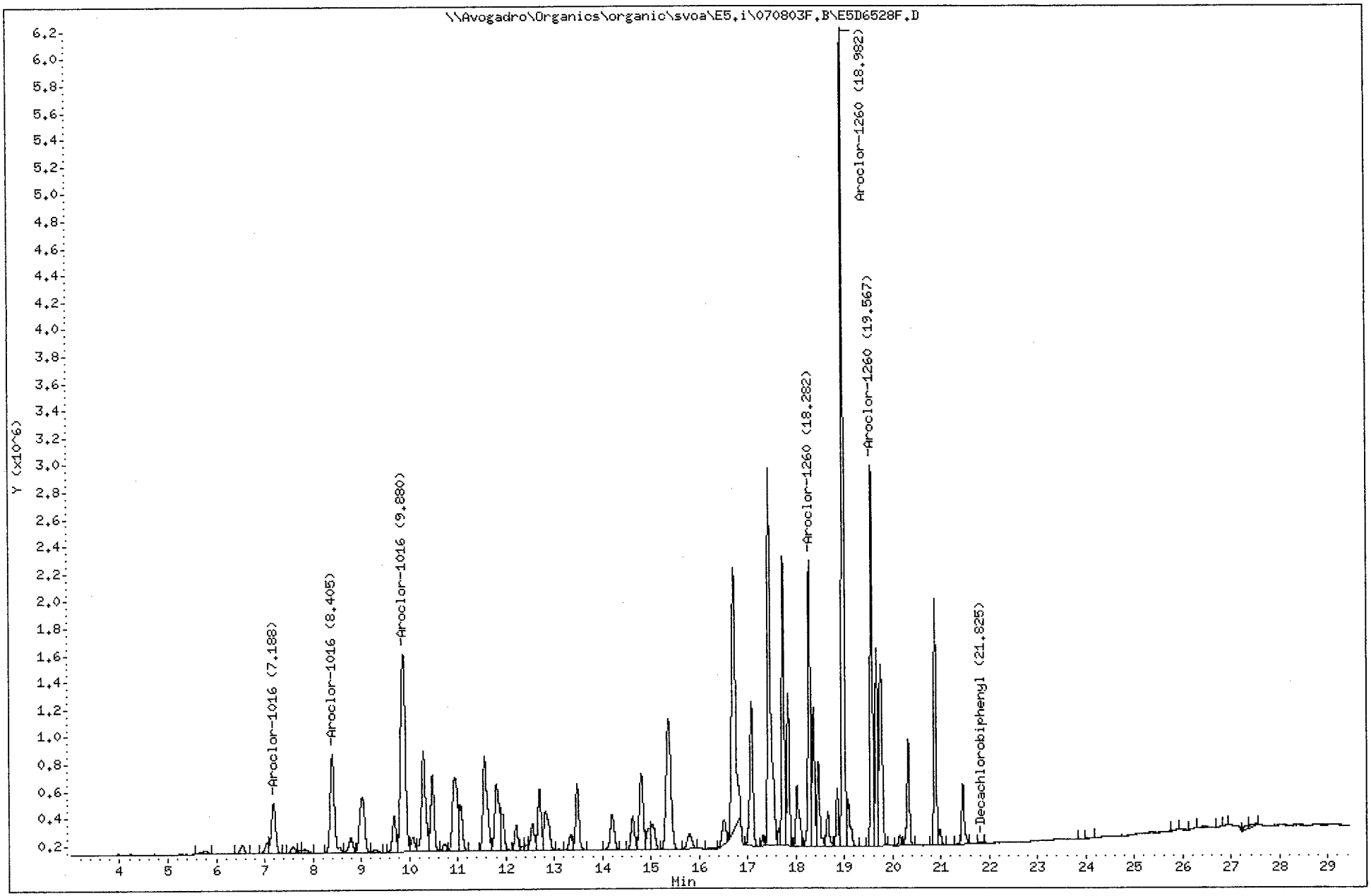
Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ng)	TARGET RANGE	RATIO
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
8.825	8.794	0.031	11403349	0.04003	0.040		
5 Heptachlor					CAS #: 76-44-8		
10.326	10.297	0.029	12341454	0.04203	0.042		
6 Aldrin					CAS #: 309-00-2		
11.200	11.170	0.030	10959342	0.04097	0.041		
14 Dieldrin					CAS #: 60-57-1		
15.018	14.986	0.032	21861502	0.08377	0.084		
15 Endrin					CAS #: 72-20-8		
16.008	15.963	0.045	20949809	0.10542	0.11		
18 4,4'-DDT					CAS #: 50-29-3		
17.582	17.561	0.021	18739529	0.08189	0.082		

Data File: \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\E5D6528F.D
Date : 04-AUG-2007 12:35
Client ID:
Sample Info: GPC30730-ARO,,,,AR1660.SUB,
Volume Injected (uL): 1.0
Column phase: CLPPEST

Instrument: E5.i
Operator: SZ SRC: SZ
Column diameter: 0.53



Data File: E5D6528F.D
Report Date: 04-Aug-2007 13:30

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\E5D6528F.D
Lab Smp Id: GPC30730-ARO
Inj Date : 04-AUG-2007 12:35
Operator : SZ SRC: SZ Inst ID: E5.i
Smp Info : GPC30730-ARO,,,,AR1660.SUB,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E5.i\070803F.B\clp-e5f.m
Meth Date : 04-Aug-2007 11:00 xd Quant Type: ESTD
Cal Date : 19-JUL-2007 23:47 Cal File: E5D6181F.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1660.sub
Subtraction File: \\Avogadro\Organics
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: TARGET107

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVa

Name	Value	Description
DF	1.000	Dilution Factor
Uf	2.000	Correction factor
Vt	5000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
23 Aroclor-1016					CAS #: 12674-11-2		
7.188	7.167	0.021	2200545	0.53674	180	80.00- 120.00	100.00
8.404	8.378	0.026	4406627	0.77811	260	125.02- 165.02	200.25
9.879	9.857	0.022	9937504	0.74289	250	278.06- 318.06	451.59
		Average of Peak Concentrations =			230		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
21.824	21.810	0.014	40190	2e-004	0.055		(aR)
29 Aroclor-1260					CAS #: 11096-82-5		
18.282	18.270	0.012	7279847	0.87526	290	80.00- 120.00	100.00
18.982	18.971	0.011	19813384	0.86923	290	240.67- 280.67	272.17
19.567	19.557	0.010	9084447	0.80411	270	109.66- 149.66	124.79
		Average of Peak Concentrations =			280		

Data File: E5D6528F.D
Report Date: 04-Aug-2007 13:30

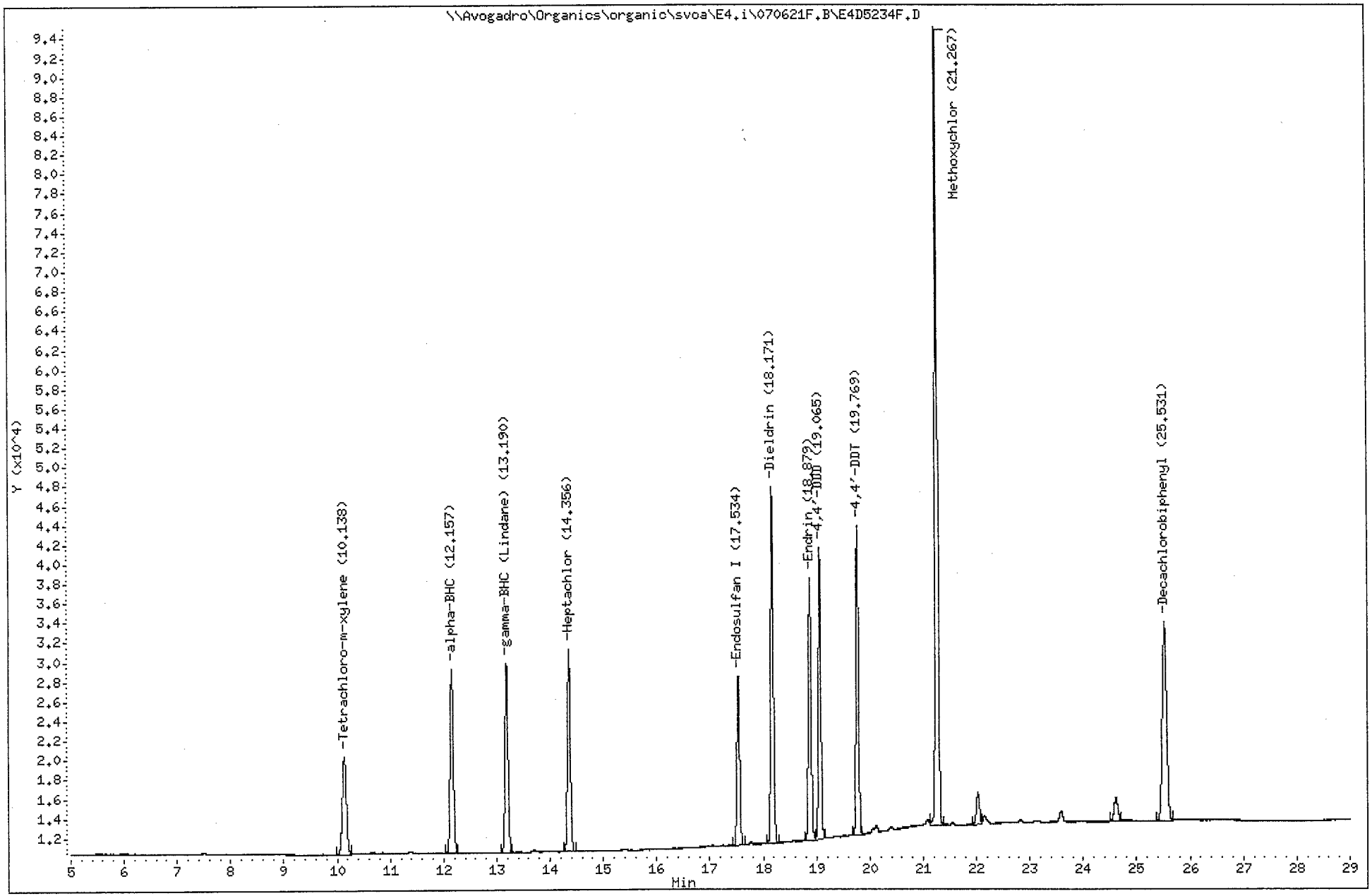
QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: \\Avogadro\Organics\organic\svoa\E4.i\070621F.B\E4D5234F.D
Date : 22-JUN-2007 15:57
Client ID:
Sample Info: FLOSP3020,,,,,
Volume Injected (uL): 1.0
Column phase: CLPPestII

Instrument: E4.i

Operator: SZ\AW SRC: SZ\AW
Column diameter: 0.53



LTSG

Data File: E4D5234F.D
Report Date: 25-Jun-2007 09:46

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E4.i\070621F.B\E4D5234F.D
Lab Smp Id: FLOSP3020
Inj Date : 22-JUN-2007 15:57
Operator : SZ\AW SRC: SZ\AW Inst ID: E4.i
Smp Info : FLOSP3020,,,,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E4.i\070621F.B\E4_somPEST-f.m
Meth Date : 25-Jun-2007 09:46 E4.i Quant Type: ESTD
Cal Date : 22-JUN-2007 15:25 Cal File: E4D5233F.D
Als bottle: 46 QC Sample: FLORISIL
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: florisil.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	1000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

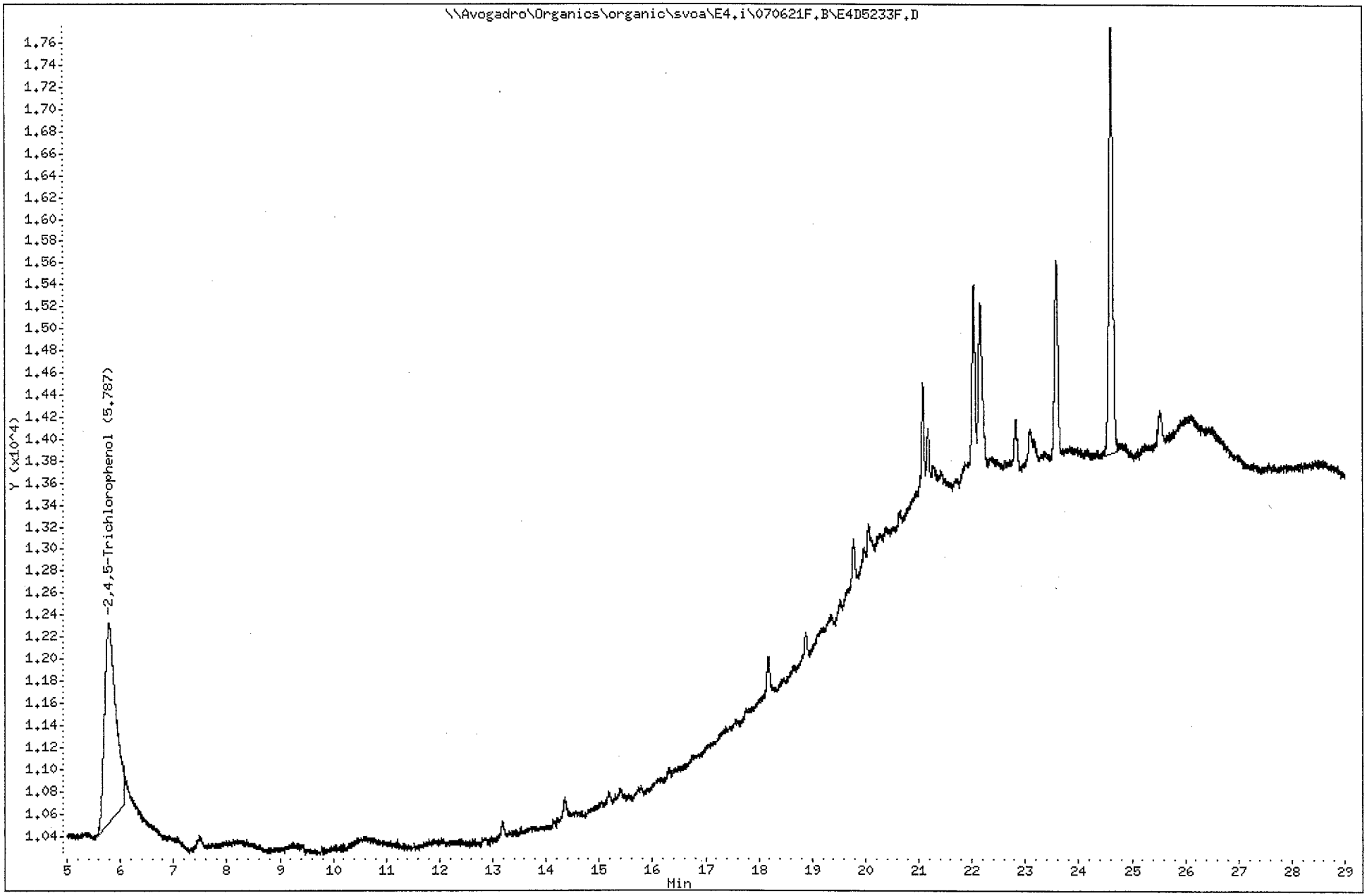
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
10.138	10.133	0.005	53222	0.00950	0.0095		
3 alpha-BHC					CAS #: 319-84-6		
12.157	12.157	0.000	77504	0.00868	0.0087		
4 gamma-BHC (Lindane)					CAS #: 58-89-9		
13.189	13.189	0.000	74891	0.00868	0.0087		
5 Heptachlor					CAS #: 76-44-8		
14.355	14.359	-0.004	78851	0.00894	0.0089		
10 Endosulfan I					CAS #: 959-98-8		
17.533	17.540	-0.007	61423	0.00919	0.0092		
14 Dieldrin					CAS #: 60-57-1		
18.171	18.176	-0.005	126896	0.01788	0.018		
15 Endrin					CAS #: 72-20-8		
18.878	18.883	-0.005	94669	0.01608	0.016		

SL 06/25/07

Data File: E4D5234F.D
Report Date: 25-Jun-2007 09:46

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
16 4,4'-DDD					CAS #: 72-54-8		
19.064	19.070	-0.006	96231	0.01790	0.018		
18 4,4'-DDT					CAS #: 50-29-3		
19.768	19.775	-0.007	102239	0.01647	0.016		
21 Methoxychlor					CAS #: 72-43-5		
21.267	21.274	-0.007	278664	0.09325	0.093		
$ 2 Decachlorobiphenyl					CAS #: 2051-24-3		
25.530	25.537	-0.007	113231	0.02002	0.020		

Data File: \\Avogadro\Organics\organic\svoa\E4.i\070621F.B\E4D5233F.D
Date : 22-JUN-2007 15:25
Client ID:
Instrument: E4.i
Sample Info: 2,4,5-tcp,,,,,
Volume Injected (uL): 1.0
Operator: SZ\AW
Column phase: CLPPestII
Column diameter: 0.53



Data File: E4D5233F.D
Report Date: 25-Jun-2007 09:46

Mitkem Corporation

NYASP Pesticide Quantitation Report

Data file : \\Avogadro\Organics\organic\svoa\E4.i\070621F.B\E4D5233F.D
Lab Smp Id:
Inj Date : 22-JUN-2007 15:25
Operator : SZ\AW Inst ID: E4.i
Smp Info : 2,4,5-tcp,,,,,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\svoa\E4.i\070621F.B\E4_somPEST-f.m
Meth Date : 25-Jun-2007 09:46 E4.i Quant Type: ESTD
Cal Date : 22-JUN-2007 15:25 Cal File: E4D5233F.D
Als bottle: 45 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 245TCP.sub
Target Version: 4.14 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)
Vo	1000.000	Volume of sample extracted (mL)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
43 2,4,5-Trichlorophenol					CAS #:		
5.787	5.787	0.000	26342	0.10000	0.10		(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

SZ 06/25/07

0521

MITKEM CORPORATION: ORGANIC PREP - CLP Pesticides/PCB

Date 8/3/07	Analysis OLM Pest	Method #	AQ: 3510C(SepF) 3520C(Liq/Liq) Other:_____ Soil: 3540C(Soxhlet) (3550B(Sonic))					Sample Matrix	Aqueous (Soil) Other:					Date/Time Started: 8/1/07				
Blank ID 31475	LCS ID 31475	Analyst: DL	Spiked by: DL	Witness: Tony		Solvent: MeCl/Acet Lot # E23E16		Acid Lot #		GPC Batch # Lot #		Florisil		Date/Time Ended: 8/1/07				
Lab ID	B #	Wt/Vol Extracted	Surrogate Added	Matrix Spike Added	pH	RV prior to GPC Date/Analyst		Vol. pre GPC	GPC Date/Analyst		RV after GPC Date/Analyst		Vol. pre Florisil	Florisil Date/Analyst		Final Vol.	Trans. Date	
MB-31475	—	30.0	1000 uL OSW070607A+	—	—	8/1	AC	10 mL								5 mL	8/3	
LCS-31475	—	30.0		1000 uL OPW070717A	—													
F0981-09A	1	30.2		—	—													
-10A	1	30.2		—	—													
-11A	1	30.1		—	—													
-11AMS	1	30.3		1000 uL OPW070717A	—													
F0981-11AMSD	1	30.1		1000 uL OPW070717A	—													
F1025-01A	1	30.0	1000 uL OSW070607A+	—	—	8/1	AC	10 mL								5 mL	8/3	

DL 8/1/07

Comments: _____

Sonicator Tuned? Yes/No

Soxhlet Cycle/Hour: NA

L/L Drip Rate: NA

Sodium Sulfate Lot #: E15594

Hexane Lot #: _____

Logbook ID 50.0188-04/07

Reviewed By: [signature] 8/09/07

MITKEM CORPORATION: ORGANIC PREP - CLP Pesticides/PCB

Date: 8-3-07	Analysis: OLM PP	Method #: AQ: 3510C(SepF) 3520C(Liq/Liq) Other:_____ Soil: 3540C(Soxhlet) 3550B(Sonic)		Sample Matrix: Aqueous Soil Other:			Date/Time Started: NA
Blank ID: 31534	LCS ID: 31534	Analyst: ROY	Spiked by: ROY	Witness: DL	Solvent: CH_2Cl_2 Lot # E93E44	Acid Lot #: NA	GPC Batch # / Lot #: Florisil		Date/Time Ended: NA

Lab ID	B #	Wt/Vol Extracted	Surrogate Added	Matrix Spike Added	pH	RV prior to GPC Date/Analyst		Vol. pre GPC	GPC Date/Analyst	RV after GPC Date/Analyst	Vol. pre Florisil	Florisil Date/Analyst		Final Vol.	Trans. Date
MB 31534	NA	1000	OPW070607A 500 UL	—	—	8/7	AC	10 ML						10	08/09/07
LCS 31534	NA	↓	↓	OPW070717A 1 ML	↓	↓	↓	↓						10	↓
LCSD 31534	NA	↓	↓	OPW070717A 1 ML	↓	↓	↓	↓			10K	08/09/	07	10	
F1025-08A	2	1000	OPW070607A 500 UL	—	—	8/7	AC	10 ML						10	08/09/07

4-3-07 ROY

Comments: _____

Sonicator Tuned? Yes/No

Soxhlet Cycle/Hour: NA

L/L Drip Rate: NA

Sodium Sulfate Lot #: _____

Hexane Lot #: _____

Logbook ID 50.0188-04/07

Reviewed By: XO 8/14/07

Percent Moisture and Percent Solids Report

Mitkem Sample ID	*Client Sample ID*	*Analyzed*	*Percent Moisture*	*Percent Solids*	*Validated*
F1025-01A	*OTMI-MW-BR11*	08/01/2007	13	87	Yes

MITKEM CORPORATION **pH Determination Logbook**

pH Meter: pH Meter_070731A

Date	Sample ID		pH Reading	Buffer IDs	Comments	Analyst
7/31/07	~~7/30/07~~ DKD 7/31/07 pH 4.0	—	4.00	IWP060613A		DKD
	pH 10.0	—	10.00	IWP061020C		
	pH 7.0	—	7.00	IWP061129D		
	F0981	09A	7.94	—		
	↓	09A DUP	7.89			
	↓	10A	7.62			
	F0981	11A	7.91			
	F1017	02A	7.36			
	↓	03A	7.94			
		04A	8.05			
		05A	6.46			
	↓	07A	8.03	↓		
	F1017	08A	6.33	—		
	pH 7.0	—	7.04	IWP061129D		
	F1017	09A	8.01	—		
	↓	10A	8.02			
		11A	6.55			
		12A	6.70			
		14A	7.71			
	↓	15A	8.22			
	F1017	17A	8.66	↓		
7/31/07	F1025	01A	8.00	—		↓
~~7/30/07~~ 7/31/07	pH 7.0	—	7.04	IWP061129D		DKD
				DKD 7/31/07		

pH LCS (Buffer 7.00) Acceptance Criteria:
±0.05 S.U.
Frequency: at least every 20 samples

Calibration Check Criteria:
pH Buffer: 4.00±0.05 S.U.
10.00+0.05 S.U.
7.00+0.05 S.U.

Logbook ID: 30.0210 - 04/07

Level 1 Review by DKD 7/31/07

Data Entry to LIMS DKD 7/31/07

Level 2 QA Review ACN 7/31/07

Sequence Log Report

Print Date: 7/31/2007
Print Time 8:47:10AM

MITKEM CORPORATION: INSTRUMENT GPC 3 LOGBOOK

Sequence: **GPC3070730CAL**

Pos #	Sample ID	Description	Method	Inject uL	Column	Status	Comments
1	GPC3070730-SB	sample	SVOA	5000	DCMTrad	Sample processed normally	
2	GPC3070730-PB	sample	PEST	5000	DCMTrad	Sample processed normally	
3	GPC3070730-PMS	sample	PEST	5000	DCMTrad	Sample processed normally	
4	GPC3070730-ARO	sample	PEST	5000	DCMTrad	Sample processed normally	

9526

Operator Name:
Notes:

Start: 16:11:45, 07/30/07
End: 20:44:03, 07/30/07

Outcome: Sequence executed normally

Sequence Log Report

Print Date: 8/3/2007
Print Time 9:00:52AM

Sequence: **GPC3070802A**

Pos #	Sample ID	Description	Method	Inject uL	Column	Status	Comments
4	F0981-07A	sample	PEST	5000	DCMTrad	Sample processed normally	
5	F0981-08A	sample	PEST	5000	DCMTrad	Sample processed normally	
6	F0981-09A	sample	PEST	5000	DCMTrad	Sample processed normally	
7	F0981-10A	sample	PEST	5000	DCMTrad	Sample processed normally	
8	F0981-11A	sample	PEST	5000	DCMTrad	Sample processed normally	
9	F0981-11AMS	sample	PEST	5000	DCMTrad	Sample processed normally	
10	F0981-11AMSD	sample	PEST	5000	DCMTrad	Sample processed normally	
11	F1025-01A	sample	PEST	5000	DCMTrad	Sample processed normally	
12	LCS-31475	sample	PEST	5000	DCMTrad	Sample processed normally	
13	MB-31475	sample	PEST	5000	DCMTrad	Sample processed normally	

Operator Name:

Notes:

Start: 10:25:28, 08/02/07

End: 21:44:07, 08/02/07

Outcome: Sequence executed normally

MITKEM CORPORATION - PEST/PCB RUN LOGBOOK: INSTRUMENT E5

Sequence: E5D70719 | Method: CLP02X1 | ICAL Date: 7/19/07 | CLP

Date	Sample ID		Client ID	File Name		Dilution	F	R	Comments	Analyst
7/19/07	PRIME			E5D61	59					XD
	PRIME			"	66					
	RESC	TS	RESC TS	E5D61	67				PW070716C	
	PEM	TS	PEM TS		68		✓	✓	PW070718H	
	AR1660	TS	AR1660TS		69		ok	ok	PW070628D	
	1221		1221		70				PW070628E	
	1232		1232		71				PW070628B	
	1242		1242		72				PW070628C	
	1248		1248		73				PW ~~070628~~ 070718A	XD 7/21/07
	AR1254	TS	AR1254 TS		74				PW070628A	
	TOXAPH	TS	TOXAPH TS		75				PW070420F	
	INDAL		INDAL TS		76				PW070409E	
	INDBL		INDBL		77				PW070409J	
	INDAM		INDAM		78				PW070409C	
	INDBM		INDBM		79				PW070409H	
	INDAH		INDAH		80				PW070409A	
	INDBH	TS	INDBH TS		81		ok	ok	PW070409E	
7/20/07	PIBLK	TA	PIBLK TA		82					
	PEM	TA	PEM TA	E5D61	83		✓	✓		XD
	MB-31188		PBLKSA		84		✓	✓		
	LCS-31188		PSALCS		85		✓	✓		
	F0963-11A		MIDUMPCOMP		86		✓	✓		
	IIAMS		MS		87		✓	✓		
	F0863-IIAMSD		MSD		88		✓	✓		
	PIBLK	TB			89					
	PIBLK	TB	PIBLKTB		90		✓	✓		
	INDAM	TB	INDAM 1		91		✓	✓		
7/20/07	INDBM	TB	INDBM TB	E5D61	92		✓	✓	MT TUCK R	XD

Standard ID's

Comments

Reviewed SC 08/02/07

Logbook ID: 60.0225-06/07

MITKEM CORPORATION - PEST/PCB RUN LOGBOOK: INSTRUMENT E5

Sequence: E5070803 | Method: CLP02X1 | ICAL Date: 07/19/07 CLP

Date	Sample ID		Client ID	File Name		Dilution	F	R	Comments	Analyst
8/03/07	PIBLK			E5D64	98					SZ
	PIBLK	UP	PIBLKUP	↓	99		✓		13:13	
	PEM	UP	PEM UP	E5D65	00		✓	✓		
	INDB				01		—		do not need (check)	
	MB-31475		PBLKSK		02		✓	✓		↓
	LCS-31475		PBLKLCS		03		✓	✓		SZ
	F0981-01A		MW-BR05	F5D65	04		✓	✓		↓
		10N	MW-BR10		05		✓	✓		
		11A	MW-BR11		06		✓	✓		
		11AMS	MW-BR11MS		07		✓	✓		
	F0981-11AMSD		MW-BR11MSD		08		✓	✓		
	F1025-01A		MW-BR11		09		✓	✓		
	A1BLK	UQ			10					
	B1BLK	UQ	P1BLKUQ		11		✓		19:50	
	INDAM	I	INDAM I		12		✓	✓		
	INDAMUQ	UQ	INDAMUQ		13		✓	✓		
	AR1660	UQ	AR1660UQ		14		✓			
	F0981-03A		SB06		15		✓			
	F0981-04A		SB12		16		✓		DUP	
	P1BLK	UK			17					
	F0981-05A		SB12D		18		✓			
8/04/07	P1BLK	UK			19					
	F0981-07A		MW-BR07		20		—		DUP need 5X DL	
	P1BLK	UK			21					
	F0981-08A		MW-BR09		22		✓			
	P1BLK	UK			23					
	P1BLK	UK	P1BLKOK		24		✓		3:00	
8/04/07	P1BLK	UK	P1BLKOK	F5D65	25		✓	✓		↓

Standard ID's

AM PW070409Q
BM PW070409H
PEM PW070803G

Comments

Reviewed X 8/7/07

Logbook ID: 60.0225-06/07

MITKEM CORPORATION - PEST/PCB RUN LOGBOOK: INSTRUMENT E5

Sequence: E5c7c811 | Method: CLP02X1 | ICAL Date: 7/19/07 CLP

Date	Sample ID		Client ID	File Name	Dilution	F	R	Comments	Analyst
8/11/07	PIBLK		-	E5D66	49				
	PIBLK	UV	PIBLKUV		50	✓	✓	11:59	
	PEM	UV	PEMUV		51	✓	✓		
	MB-31534		PBLK54		52	✓			SZ
	LCS-31534		P54LCS		53	✓			
	LCSD-31534		P54LCSD		54	✓			
	MB-31613		PBLK57		55	✓			
	LCS-31613		P57LCS		56	✓			
	F1025-02A		RB		57	✓			
	F1078-09C		OTMI-MWBR-Q		58	✓			
	↓ 09CMS		-QMS		59	✓			
	↓ 09CMSD		QMSD		60	✓			
	F1078-10C		MWBR-QD		61	✓			
	AR1660	UV	AR1660UV		62				
	PIBLK				63				
	PIBLK	UV	PIBLKUV		64	✓		20:19	
	INDAM	UV	INDAMUV		65	✓	✓		
	INDBM	UV	INDBMUV		66	✓	✓		
	GPC30808	-PB			67				
	↓	-PMS			68				
↓	GPC30808	ARO			69				
8/11/07	PIBLK	UW	PIBLKUW	↓	70	✓		23:37	↓
8/12/07	PEM	UW	PEMUW	E5D66	71	✓	✓		SZ
				8/13/07					
			SZ						

Standard ID's

PEM PWC7c811A

AM PWC7c405C

GM PWC7c405H

Comments

Reviewed SZ 8/14/07

Logbook ID: 60.0225-06/07

MITKEM CORPORATION

Sample Receiving Logbook

Workorder No. H0025

Client Name: ENE

Date Recv'd 7.26.07 **Sample #s** 01 **Storage Locations:** A1, VOA

Date Recv'd 8/1/07 **Sample #s** 02-03 **Storage Locations:** E3, VOA, M1 DKD

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

Date Recv'd _____ **Sample #s** _____ **Storage Locations:** _____

OUT		IN	
Relinquished By	**Received By**	**Relinquished By**	**Received By**
Date: 7.26.07 Init: CM	Date: 7.2607 Init: KP	Date: 7.2607 Init: KP	Date: 7.2607 Init: CM
Samp. #s 01A pH		01A	
Date: 7/30 Init: DD	Date: 7/30 Init: JD	Date: 7/30 Init: DD	Date: 7/30 Init: JD
Samp. #s 1B Cy		1B	
Date: 7/30/07 Init: KP	Date: 7/30/07 Init: DKD	Date: 7/30/07 Init: DKD	Date: 7/30/07 Init: KP
Samp. #s 01A1 pH		01A1	
Date: 8.1.07 Init: DKD	Date: 8.1.07 Init: DL	Date: 8.1.07 Init: DL	Date: 8.1.07 Init: DKD
Samp. #s 01A OLM SVOA		01A	OLM SVOA
Date: 8/3/7 Init: DKD	Date: 8/3/7 Init: DL	Date: 8/3/7 Init: DL	Date: 8/3/7 Init: DKD
Samp. #s 02A1, 02A2	OLM SVOA OLM PP	02A	OLM SVOA
Date: 8/7/07 Init: DKD	Date: 8/7/07 Init: BV	Date: 8/7/07 Init: BV	Date: 8/7/07 Init: DKD
Samp. #s 02C	CN	02C	
Date: 8/13/07 Init: DKD	Date: 8/13/07 Init: NS	Date: 8/13/07 Init: DKD	Date: 8/13/07 Init: NS
Samp. #s 1B, 2B ICP, Hg		01B, 2B	
Date: Init:	Date: Init:	Date: Init:	Date: Init:
Samp. #s			

Comments: _____

Please record analyst's initials, date, and sample #s removed. Add any comments if necessary (broken bottles, empty jars, etc.)
Include the abbreviated name of the test to be performed., ie: SVOA, PCB...near the "samp. #s".
Include bottle or jar number when more than one.

Reviewed: X 8/14/07

MITKEM CORPORATION EXTRACTS TRANSFER LOGBOOK: PESTICIDES/PCB ANALYSIS

Date Transferred from Prep Lab	Lab ID		Transferred by	Received by	Storage Location	Comments
08/02/07	F1026	20C	DK	[illegible]	R11	HERB
08/02/07	MB-31477		DK			
	LCS 31477					
	F1043	01C				
		03C				
		04A				
		05C				
		07C				
		08C				
	F1043	09C				
	F1052	01A				
		02A				
		03A				
		04AMS				
		04AMSD				
		05A				
		06A				
		07A				
		08A				
		09A				
08/02/07	F1052	10A	DK	[illegible]	R11	HERB
8/3/07	MB 31308	—	AC	[illegible]	~~R11~~ R11 L-31477	OCPD PD 8-3-07
	LCS 31308	—				
	F0981	03A				
		04A				
		05A				
		07A				
	F0981	08A		[illegible]	[illegible] R11	
	~~MB-31477~~ MB 31075	AC				
	~~LCS 31477~~	AC				
8/3/07	LCS 31477 F0981	09A	AC	[illegible]	R11	OCPD PD 8-7-07

Logbook ID: 60.0132 - 06/07

Reviewed by PR 08/14/07

MITKEM CORPORATION EXTRACTS TRANSFER LOGBOOK: PESTICIDES/PCB ANALYSIS

Date Transferred from Prep Lab	Lab ID		Transferred by	Received by	Storage Location	Comments
8/3/07	F0981	10A	AC	V.	K11	OLM DP E5-07-37
↓	↓	11A	↓	↓	↓	↓
↓	↓	11AMS	↓	↓	↓	↓
8/3/07	F0981	11AMSD	AC	↓	↓	OLM DP ↓
8/3/07	F1025	01A	AC	V.	R11	OLM DP E5-07-3
	MB 31476	—	↓	V.	R11	PEST
	LCS 31476	—	↓	↓	↓	↓
	F1026	19C	↓	↓	↓	↓
	F1026	20C	↓	↓	↓	↓
	F1043	01C	↓	↓	↓	↓
	↓	02A	↓	↓	↓	↓
	↓	03C	↓	↓	↓	↓
	↓	04A	↓	↓	↓	↓
	↓	05C	↓	↓	↓	↓
	↓	07C	↓	↓	↓	↓
	F1043	09C	↓	↓	↓	↓
	F1052	01A	↓	↓	↓	↓
	↓	02A	↓	↓	↓	↓
	↓	03A	↓	↓	↓	↓
	↓	04A	↓	↓	↓	↓
	↓	04AMS	↓	↓	↓	↓
	↓	04AMSD	↓	↓	↓	↓
	↓	05A	↓	↓	↓	↓
	↓	06A	↓	↓	↓	↓
	↓	07A	↓	↓	↓	↓
	↓	08A	↓	↓	↓	↓
↓	↓	09A	↓	↓	↓	↓
8/3/07	F1052	10A	AC	X.	K11	PEST
8/6/07	MB 31553	—	↓	PR) partial.	↓	PCB
↓	LCS 31553	—	↓	↓	↓	↓
8/6/07	LCSD 31553	—	AC	Pk	R11	PCB

Logbook ID: 60.0132 - 06/07

Reviewed by PR 08/10/07 Partial X. 8/14/07

MITKEM CORPORATION EXTRACTS TRANSFER LOGBOOK: PESTICIDES/PCB ANALYSIS

Date Transferred from Prep Lab	Lab ID		Transferred by	Received by	Storage Location	Comments
8/8/07	F1077	05B	AC	PR	R11	Pest/PCB
8/8/07	F1077	06B	AC	PR	〃	Pest/PCB
8/9/07	MB31602	–		PR	R11	PCB
	LCS31602	–		〃	〃	〃
	LCSD31602	–		PR	〃	PCB
	MB 31603	–		Y0	R11	Pest E2/E4 4 Mon
	LCS 31603	–		〃	〃	〃 E4
	LCSD 31603	–		〃	〃	Pest E4
	F1081	01B				Pest PCB E2/E4
8/9/07	F1081	02B	AC	Y0	R11	Pest/PCB E2/E4
	MB 31600			PR	R11	PCB
	LCS 31600			〃	〃	〃
	LCSD 31600			PR	〃	PCB
	MB 31601			Y0	R11	Pest E4
	LCS 31601			〃	〃	〃 E4
	LCSD 31601			〃	〃	Pest E4
	F1079	01A		〃	〃	Pest PCB E2/E4
	〃	02A		〃	〃	〃
	〃	03A		〃	〃	〃
	〃	04A		〃	〃	〃
	〃	05A		〃	〃	〃
8/9/07	F1079	06A	AC	Y0	R11	Pest/PCB E2/E4
08/09/07	MB-31613		DK	〃	R11	OLA PP E5
	LCS-31613		〃	〃	〃	〃
	F1078	09C	〃	〃	〃	〃
	〃	09C MS	〃	〃	〃	〃
	〃	09C MSD	〃	〃	〃	〃
08/09/07	F1078	10C	DK	〃	〃	〃
08/09/07	MB-31534		DK	〃	〃	〃
	LCS-31534		DK	〃	〃	〃
08/09/07	LCSD-31534		DK	Y0	R11	OLA PP E5

Logbook ID: 60.0132 - 06/07

Reviewed by PR 08/13/07

MITKEM CORPORATION EXTRACTS TRANSFER LOGBOOK: PESTICIDES/PCB ANALYSIS

Date Transferred from Prep Lab	Lab ID		Transferred by	Received by	Storage Location	Comments
08/09/07	F1075	02A	DK	K.	R11	~~OC~~ OLA PP
08/09/07	MB-31554 DK 8/8/07		DK	PR		HERB
	LCS-31554					
	LCSD-31554					
	F1058	01B				
		02				
		03				
		04				
		05				
		06				
		09				
		10				
08/09/07	F1059	12B	DK	PR		HERB
8/10/07	MB 31637	—	AC	K	K11	PCB TCL
	LCS 31637	—				
	LCSD 31637	—				
	F1102	01A				
		02A				
		03A				
		04A				
		05A				
		06A				TCL
8/10/07	F1100	07A	AC	K.	K11	PCB
8/10/07	MB-31638		DK	K.		PCB
	LCS-31638					PCB
	LCSD-31638					PCB TCL
	MB-31639					PEST TCL
	LCS-31639					
	LCSD-31639					
	F1097	01B	DK			PCB
8/10/07	F1097	02B	DK	K.	K11	PCB PEST TCL 8/13

Logbook ID: 60.0132 - 06/07

Reviewed by PR 08/13/07

MITKEM CORPORATION

* Metals *

USEPA - CLP
COVER PAGE

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

SOW No.: ILM05.4

EPA Sample No.	Lab Sample ID
MW-BR11	F1025-01
MW-BR11D	F1025-01DUP
MW-BR11S	F1025-01MS
RB	F1025-02
RBD	F1025-02DUP
RBS	F1025-02MS

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corre	(Yes/No)	YES	N/A
Were ICP-AES and ICP-MS background corre	(Yes/No)	YES	N/A
If yes-were raw data generated before application of background corrections?	(Yes/No)	NO	N/A

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature

Signature: Laura Smart Name: Laura E. Smart

Date: 8/24/07 Title:

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-BR11

Lab Name: Mitkem Corporation Contract: 002699.ID09

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Matrix (soil/water): SOIL Lab Sample ID: F1025-01

Level (low/med): MED Date Received: 07/26/2007

% Solids: 87.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7190			P
7440-36-0	Antimony	6.3	U	N	P
7440-38-2	Arsenic	8.8			P
7440-39-3	Barium	89.2			P
7440-41-7	Beryllium	0.49	J		P
7440-43-9	Cadmium	0.52			P
7440-70-2	Calcium	6890			P
7440-47-3	Chromium	12.5			P
7440-48-4	Cobalt	12.7		E	P
7440-50-8	Copper	30.0		*	P
7439-89-6	Iron	30200		E	P
7439-92-1	Lead	12.2		N	P
7439-95-4	Magnesium	6920		E	P
7439-96-5	Manganese	571			P
7439-97-6	Mercury	0.096	U		CV
7440-02-0	Nickel	27.2			P
7440-09-7	Potassium	1200			P
7782-49-2	Selenium	6.1		N	P
7440-22-4	Silver	1.0	U	N	P
7440-23-5	Sodium	47.2	J		P
7440-28-0	Thallium	7.1			P
7440-62-2	Vanadium	23.4			P
7440-66-6	Zinc	80.0		E	P
57-12-5	Cyanide	2.5	U		AS

Color Before BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB

Lab Name: Mitkem Corporation Contract: 002699.ID09

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Matrix (soil/water): WATER Lab Sample ID: F1025-02

Level (low/med): MED Date Received: 08/01/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14.5	J		P
7440-36-0	Antimony	1.4	J		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	1.3	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	0.12	J		P
7440-70-2	Calcium	193	J		P
7440-47-3	Chromium	4.1	J		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	346			P
7439-92-1	Lead	1.7	J		P
7439-95-4	Magnesium	16.5	J		P
7439-96-5	Manganese	6.5	J		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.1	J		P
7440-09-7	Potassium	60.4	J		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	5000	U		P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	0.49	J		P
7440-66-6	Zinc	17.8	J		P
57-12-5	Cyanide	10.0	U		AS

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

USEPA - CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

	Initial Calibration Verificaion			Continuing Calibration Verificaion					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Mercury	2.0	2.01	100	5.0	4.71	94	4.52	90	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

	Initial Calibration Verificaion			Continuing Calibration Verificaion					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Mercury				5.0	4.54	91			CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

	Initial Calibration Verificaion			Continuing Calibration Verificaion					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Mercury	2.0	2.00	100	5.0	4.36	87	4.49	90	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

	Initial Calibration Verificaion			Continuing Calibration Verificaion					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Mercury				5.0	4.51	90			CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: _____ NRAS No.: _____ SDG No.: MF1025

Initial Calibration Verification Source: _____

Continuing Calibration Verification Source: _____

Concentration Units: ug/L

	Initial Calibration Verificaion			Continuing Calibration Verificaion					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Cyanide	250.0	245.26	98	200.0	216.53	108	215.03	108	AS

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

	Initial Calibration Verificaion			Continuing Calibration Verificaion					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Cyanide				200.0	212.56	106	226.83	113	AS

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

	Initial Calibration Verificaion			Continuing Calibration Verificaion					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Cyanide	250.0	268.63	107	200.0	215.43	108	215.58	108	AS

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

	Initial Calibration Verificaion			Continuing Calibration Verificaion					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Potassium	37500.0	36184.77	96	25000.0	24884.13	100	24953.96	100	P
Sodium	37500.0	36774.10	98	25000.0	25326.87	101	25344.73	101	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

	Initial Calibration Verificaion			Continuing Calibration Verificaion					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Potassium				25000.0	24893.57	100			P
Sodium				25000.0	25195.98	101			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

	Initial Calibration Verificaion			Continuing Calibration Verificaion					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum	15000.0	14412.65	96	10000.0	9729.11	97	9763.73	98	P
Antimony	750.0	709.12	95	500.0	509.30	102	498.46	100	P
Arsenic	750.0	746.52	100	500.0	508.82	102	505.48	101	P
Barium	15000.0	14894.56	99	10000.0	10339.29	103	10307.24	103	P
Beryllium	375.0	361.82	96	250.0	247.61	99	244.58	98	P
Cadmium	375.0	364.15	97	250.0	246.31	99	244.55	98	P
Calcium	37500.0	36027.08	96	25000.0	24658.88	99	24710.79	99	P
Chromium	1500.0	1457.07	97	1000.0	978.02	98	970.96	97	P
Cobalt	3750.0	3650.77	97	2500.0	2466.37	99	2444.67	98	P
Copper	1875.0	1802.79	96	1250.0	1230.07	98	1228.16	98	P
Iron	7500.0	7481.03	100	5000.0	5128.36	103	5140.79	103	P
Lead	750.0	721.04	96	500.0	493.84	99	489.26	98	P
Magnesium	37500.0	36509.30	97	25000.0	25175.87	101	24986.13	100	P
Manganese	3750.0	3663.27	98	2500.0	2516.83	101	2497.38	100	P
Nickel	3750.0	3638.31	97	2500.0	2454.71	98	2436.02	97	P
Selenium	750.0	703.41	94	500.0	482.70	97	482.81	97	P
Silver	1875.0	1765.33	94	1250.0	1196.05	96	1188.47	95	P
Thallium	750.0	733.52	98	500.0	504.81	101	493.09	99	P
Vanadium	3750.0	3674.13	98	2500.0	2441.13	98	2433.65	97	P
Zinc	3750.0	3656.39	98	2500.0	2481.92	99	2456.77	98	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

	Initial Calibration Verificaion			Continuing Calibration Verificaion					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Aluminum				10000.0	9745.48	97			P
Antimony				500.0	498.22	100			P
Arsenic				500.0	504.01	101			P
Barium				10000.0	10282.99	103			P
Beryllium				250.0	244.98	98			P
Cadmium				250.0	245.80	98			P
Calcium				25000.0	24542.47	98			P
Chromium				1000.0	971.77	97			P
Cobalt				2500.0	2440.34	98			P
Copper				1250.0	1226.06	98			P
Iron				5000.0	5126.90	103			P
Lead				500.0	485.55	97			P
Magnesium				25000.0	24926.89	100			P
Manganese				2500.0	2494.53	100			P
Nickel				2500.0	2433.31	97			P
Selenium				500.0	480.57	96			P
Silver				1250.0	1187.71	95			P
Thallium				500.0	495.43	99			P
Vanadium				2500.0	2427.60	97			P
Zinc				2500.0	2461.90	98			P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

	Initial Calibration Verificaion			Continuing Calibration Verificaion					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Lead	750.0	727.42	97	500.0	500.69	100	502.34	100	P
Selenium	750.0	724.79	97	500.0	506.14	101	499.59	100	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2B-IN

CRQL CHECK STANDARD

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: _____ NRAS No.: _____ SDG No.: MF1025

CRQL Check Standard Source: _____

Concentration Units: ug/L

	CRQL Check Standard				
		Initial		Final	
Analyte	True	Found*	%R (1)	Found*	%R (1)
Mercury	0.2	0.16 J	80	0.15 J	75

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead and Thallium: 50-150.
ICP-MS - Cobalt, Manganese and Zinc: 50-150.

* If applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury).

USEPA - CLP

2B-IN

CRQL CHECK STANDARD

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: _____ NRAS No.: _____ SDG No.: MF1025

CRQL Check Standard Source: _____

Concentration Units: ug/L

	CRQL Check Standard				
	Initial			Final	
Analyte	True	Found*	%R (1)	Found*	%R (1)
Mercury	0.2	0.21	105	0.21	105

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead and Thallium: 50-150.
ICP-MS - Cobalt, Manganese and Zinc: 50-150.

* If applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury).

USEPA - CLP

2B-IN

CRQL CHECK STANDARD

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

CRQL Check Standard Source:

Concentration Units: ug/L

	CRQL Check Standard				
	Initial			Final	
Analyte	True	Found*	%R (1)	Found*	%R (1)
Cyanide	10.0	10.55	106	9.46 J	95

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead and Thallium: 50-150.
ICP-MS - Cobalt, Manganese and Zinc: 50-150.

* If applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury).

USEPA - CLP

2B-IN

CRQL CHECK STANDARD

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

CRQL Check Standard Source:

Concentration Units: ug/L

	CRQL Check Standard				
	Initial			Final	
Analyte	True	Found*	%R (1)	Found*	%R (1)
Cyanide	10.0			10.35	104

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead and Thallium: 50-150.
ICP-MS - Cobalt, Manganese and Zinc: 50-150.

* If applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury).

USEPA - CLP

2B-IN

CRQL CHECK STANDARD

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

CRQL Check Standard Source:

Concentration Units: ug/L

	CRQL Check Standard				
	Initial			Final	
Analyte	True	Found*	%R (1)	Found*	%R (1)
Cyanide	10.0	10.34	103	10.88	109

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead and Thallium: 50-150.
ICP-MS - Cobalt, Manganese and Zinc: 50-150.

* If applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury).

USEPA - CLP

2B-IN

CRQL CHECK STANDARD

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

CRQL Check Standard Source:

Concentration Units: ug/L

	CRQL Check Standard				
	Initial			Final	
Analyte	True	Found*	%R (1)	Found*	%R (1)
Antimony	60.0	59.80 J	100	59.48 J	99
Arsenic	10.0	7.69 J	77	11.48	115
Beryllium	5.0	5.12	102	5.14	103
Cadmium	5.0	5.37	107	5.29	106
Chromium	10.0	10.30	103	10.89	109
Cobalt	50.0	52.91	106	52.59	105
Copper	25.0	25.58	102	25.89	104
Lead	10.0	10.86	109	10.88	109
Manganese	15.0	16.33	109	16.38	109
Nickel	40.0	42.25	106	41.75	104
Selenium	35.0	34.22 J	98	35.29	101
Silver	10.0	12.77	128	10.33	103
Thallium	25.0	22.37 J	89	24.81 J	99
Vanadium	50.0	52.64	105	52.42	105
Zinc	60.0	65.44	109	65.18	109

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead and Thallium: 50-150.
ICP-MS - Cobalt, Manganese and Zinc: 50-150.

* If applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury).

USEPA - CLP

2B-IN

CRQL CHECK STANDARD

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

CRQL Check Standard Source:

Concentration Units: ug/L

	CRQL Check Standard				
	Initial			Final	
Analyte	True	Found*	%R (1)	Found*	%R (1)
Lead	10.0	9.49 J	95	4.96 J	50
Selenium	35.0	42.31	121	45.07	129

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead and Thallium: 50-150.
ICP-MS - Cobalt, Manganese and Zinc: 50-150.

* If applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury).

USEPA - CLP

3-IN

BLANKS

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Preparation Blank Matrix (soil/water): SOIL Method Blank ID: **MB-31665**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	1	C	2	C	3	C		C	M
Mercury	0.200	U	0.200	U	0.200	U	0.200	U	0.100	U	CV

USEPA - CLP

3-IN

BLANKS

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-31666**

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	1	C	2	C	3	C		C	M
Mercury	0.200	U	0.200	U	0.200	U	0.200	U	0.200	U	CV

USEPA - CLP

3-IN

BLANKS

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Preparation Blank Matrix (soil/water): SOIL Method Blank ID: **MB-31448**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	1	C	2	C	3	C		C	M
Cyanide	10.000	U	10.000	U	10.000	U	10.000	U	2.500	U	AS

USEPA - CLP

3-IN

BLANKS

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Cyanide			10.000	U							

USEPA - CLP

3-IN

BLANKS

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-31587**

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	1	C	2	C	3	C		C	M
Cyanide	10.000	U	10.000	U	10.000	U			10.000	U	AS

USEPA - CLP

3-IN

BLANKS

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Preparation Blank Matrix (soil/water): SOIL Method Blank ID: **MB-31670**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	1	C	2	C	3	C		C	M
Potassium	115.796	J	50.501	J	50.110	J	39.245	J	5.553	J	P
Sodium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	7.100	J	P

USEPA - CLP

3-IN

BLANKS

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-31667**

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium									5000.000	U	P
Sodium									5000.000	U	P

USEPA - CLP

3-IN

BLANKS

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Preparation Blank Matrix (soil/water): SOIL Method Blank ID: **MB-31670**

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	200.000	U	200.000	U	200.000	U	200.000	U	20.000	U	P
Antimony	3.978	J	3.422	J	1.765	J	60.000	U	6.000	U	P
Arsenic	-3.490	J	-2.573	J	10.000	U	10.000	U	0.174	J	P
Barium	200.000	U	1.230	J	0.872	J	0.517	J	20.000	U	P
Beryllium	5.000	U	5.000	U	5.000	U	5.000	U	0.500	U	P
Cadmium	0.118	J	5.000	U	5.000	U	5.000	U	0.500	U	P
Calcium	-28.015	J	5000.000	U	-57.171	J	-24.168	J	17.397	J	P
Chromium	0.674	J	0.534	J	10.000	U	10.000	U	0.053	J	P
Cobalt	0.434	J	50.000	U	0.403	J	0.351	J	5.000	U	P
Copper	25.000	U	25.000	U	25.000	U	25.000	U	1.930	J	P
Iron	100.000	U	100.000	U	100.000	U	100.000	U	10.000	U	P
Lead	1.882	J	1.263	J	0.640	J	1.099	J	0.385	J	P
Magnesium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	500.000	U	P
Manganese	15.000	U	15.000	U	15.000	U	15.000	U	0.215	J	P
Nickel	0.418	J	0.356	J	40.000	U	40.000	U	0.086	J	P
Selenium	35.000	U	35.000	U	35.000	U	35.000	U	3.500	U	P
Silver	2.806	J	10.000	U	10.000	U	10.000	U	1.000	U	P
Thallium	25.000	U	25.000	U	25.000	U	1.452	J	2.500	U	P
Vanadium	0.448	J	0.330	J	0.384	J	50.000	U	5.000	U	P
Zinc	60.000	U	60.000	U	60.000	U	60.000	U	2.415	J	P

USEPA - CLP

3-IN

BLANKS

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-31667**

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum									200.000	U	P
Antimony									60.000	U	P
Arsenic									-3.152	J	P
Barium									200.000	U	P
Beryllium									5.000	U	P
Cadmium									5.000	U	P
Calcium									23.510	J	P
Chromium									0.393	J	P
Cobalt									0.435	J	P
Copper									20.313	J	P
Iron									100.000	U	P
Lead									1.308	J	P
Magnesium									5000.000	U	P
Manganese									15.000	U	P
Nickel									14.741	J	P
Selenium									35.000	U	P
Silver									10.000	U	P
Thallium									-2.807	J	P
Vanadium									50.000	U	P
Zinc									28.524	J	P

USEPA - CLP

3-IN

BLANKS

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Lead	-3.994	J	-0.896	J	-7.357	J					
Selenium	3.090	J	35.000	U	35.000	U					

USEPA - CLP

4A-IN

ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

ICP-AES Instrument ID: OPTIMA3 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	%R	Initial Found Sol. AB	%R	Final Found Sol. A	%R	Final Found Sol. AB	%R
Potassium	0	0.0	139		82.1		133		72	
Sodium	0	0.0	73.7		79.2		69.7		68.4	

USEPA - CLP

4A-IN

ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

ICP-AES Instrument ID: OPTIMA3 ICS Source:

Concentration Units: ug/L

	True		Initial Found				Final Found			
	Sol.	Sol.	Sol.		Sol.		Sol.		Sol.	
Analyte	A	AB	A	%R	AB	%R	A	%R	AB	%R
Aluminum	500000	500000	464000	93	444000	89	463000	93	443000	89
Antimony	0	600	-9.2		533	89	-12		519	87
Arsenic	0	100	3.4		102	102	0.081		105	105
Barium	0	500	1.6		477	95	1.6		476	95
Beryllium	0	500	0.0054		445	89	0.013		440	88
Cadmium	0	1000	1.4		857	86	1.3		846	85
Calcium	500000	500000	496000	99	475000	95	498000	100	476000	95
Chromium	0	500	-9.5		432	86	-9.3		425	85
Cobalt	0	500	27.8		437	87	27.9		430	86
Copper	0	500	-6.7		469	94	-6.1		470	94
Iron	200000	200000	174000	87	168000	84	174000	87	167000	84
Lead	0	50.0	-0.40		43.1	86	0.67		40.8	82
Magnesium	500000	500000	456000	91	437000	87	454000	91	435000	87
Manganese	0	500	4.0		457	91	4.2		452	90
Nickel	0	1000	36.6		845	85	36.7		830	83
Selenium	0	50.0	13.1		54.9	110	9.3		56	112
Silver	0	200	-4.4		196	98	-6.4		193	97
Thallium	0	100	6.6		91.9	92	6.0		90.9	91
Vanadium	0	500	-5.6		450	90	-5.7		443	89
Zinc	0	1000	7.7		854	85	7.3		827	83

USEPA - CLP

4A-IN

ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

ICP-AES Instrument ID: OPTIMA3 ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	%R	Initial Found Sol. AB	%R	Final Found Sol. A	%R	Final Found Sol. AB	%R
Lead	0	50.0	-6.2		40.6	81	-2.1		40.4	81
Selenium	0	50.0	0.96		44.7	89	9.5		42.5	85

USEPA - CLP

5A-IN

EPA SAMPLE NO.

MATRIX SPIKE SAMPLE RECOVERY

MW-BR11S

Lab Name: Mitkem Corporation Contract: 002699.ID09

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 87.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	5.5050	J	6.3000	U	20.97	26	N	P
Arsenic	75-125	16.2906		8.7656		8.39	90		P
Barium	75-125	505.8159		89.2408		419.42	99		P
Beryllium	75-125	10.4104		0.4865	J	10.49	95		P
Cadmium	75-125	10.4069		0.5216		10.49	94		P
Chromium	75-125	54.4319		12.5060		41.94	100		P
Cobalt	75-125	114.0237		12.6745		104.85	97		P
Copper	75-125	83.8429		29.9891		52.43	103		P
Lead	75-125	18.9713		12.2327		4.19	161	N	P
Manganese		634.2556		570.7159		104.85	61		P
Nickel	75-125	130.4347		27.2274		104.85	98		P
Selenium	75-125	13.6223		6.1447		10.49	71	N	P
Silver	75-125	1.9438		1.0000	U	10.49	19	N	P
Thallium	75-125	17.2653		7.0835		10.49	97		P
Vanadium	75-125	123.3275		23.4360		104.85	95		P
Zinc	75-125	199.7043		80.0188		104.85	114		P
Mercury	75-125	0.5193		0.0960	U	0.48	108		CV

Comments:

USEPA - CLP

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

RBS

Lab Name: Mitkem Corporation Contract: 002699.ID09

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Cyanide	75-125	81.2625		10.0000	U	100.00	81		AS

Comments:

USEPA - CLP

5B-IN

POST-DIGESTION SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MW-BR11A

Lab Name: Mitkem Corporation Contract: 002699.ID09

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Control Limit %R	Spike Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		97.95		0.79	U	120.0	82		P
Lead		323.43		116.66		200.0	103		P
Selenium		156.18		58.60		120.0	81		P

Comments:

USEPA - CLP

6-IN

DUPLICATES

EPA SAMPLE NO.

MW-BR11D

Lab Name: Mitkem Corporation Contract: 002699.ID09

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Matrix (soil/water): SOIL Level (low/med): MED

% Solids for Sample: 87.0 % Solids for Duplicate: 87.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		7190.1788		7683.7398		7		P
Antimony		6.3000	U	6.3000	U			P
Arsenic		8.7656		7.4666		16		P
Barium	21.0	89.2408		74.0906		19		P
Beryllium	0.5	0.4865	J	0.5266		8		P
Cadmium	0.5	0.5216		0.4339	J	18		P
Calcium		6893.5995		7042.2889		2		P
Chromium		12.5060		14.0980		12		P
Cobalt	5.2	12.6745		10.9840		14		P
Copper		29.9891		23.2457		25	*	P
Iron		30220.0915		26269.2141		14		P
Lead		12.2327		10.5464		15		P
Magnesium		6923.6522		7785.7753		12		P
Manganese		570.7159		493.5273		15		P
Nickel		27.2274		24.5797		10		P
Potassium	520.0	1204.3272		1320.4479		9		P
Selenium	3.7	6.1447		5.4725		12		P
Silver		1.0000	U	1.0000	U			P
Sodium		47.1708	J	52.8587	J	11		P
Thallium	2.6	7.0835		6.0543		16		P
Vanadium	5.2	23.4360		21.0040		11		P
Zinc		80.0188		69.8876		14		P
Mercury		0.0960	U	0.0960	U			CV

USEPA - CLP

6-IN

DUPLICATES

EPA SAMPLE NO.

RBD

Lab Name: Mitkem Corporation Contract: 002699.ID09

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Cyanide		10.0000	U	10.0000	U			AS

USEPA - CLP

7-IN

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-31448**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Cyanide				170.3	148.3		65.4	275.2	87

USEPA - CLP

7-IN

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-31665

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Mercury				3.9	3.5		2.6	5.2	90

USEPA - CLP

7-IN

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-31667

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	9100.0	9836.41	108						
Antimony	455.0	483.09	106						
Arsenic	455.0	507.08	111						
Barium	9100.0	10272.67	113						
Beryllium	227.0	251.30	111						
Cadmium	227.0	252.52	111						
Calcium	22700.0	24727.34	109						
Chromium	910.0	981.07	108						
Cobalt	2270.0	2482.77	109						
Copper	1130.0	1253.73	111						
Iron	4550.0	5162.73	113						
Lead	455.0	490.04	108						
Magnesium	22700.0	25247.06	111						
Manganese	2270.0	2510.76	111						
Nickel	2270.0	2482.45	109						
Potassium	22700.0	24425.65	108						
Selenium	455.0	489.27	108						
Silver	1130.0	1301.43	115						
Sodium	22700.0	24516.16	108						
Thallium	455.0	495.06	109						
Vanadium	2270.0	2457.14	108						
Zinc	2270.0	2486.36	110						

USEPA - CLP

7-IN

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-31670**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				7360.0	5401.7		4329.9	10399.7	73
Antimony				78.2	39.6		6	165.0	51
Arsenic				197.0	185.7		159	236.0	94
Barium				645.0	641.2		534	756.0	99
Beryllium				68.9	66.2		56.5	81.2	96
Cadmium				77.3	74.7		60.8	93.8	97
Calcium				4080.0	3457.5		3239.9	4920.1	85
Chromium				129.0	120.2		104	154.0	93
Cobalt				115.0	113.8		94.1	136.0	99
Copper				94.6	94.2		76.6	113.0	100
Iron				15100.0	8376.0		7020	23299.3	55
Lead				106.0	97.7		86.6	125.0	92
Magnesium				2370.0	2170.4		1850	2890.0	92
Manganese				326.0	310.8		265	387.0	95
Nickel				211.0	207.8		174	248.0	98
Potassium				2490.0	2136.1		1819.9	3160.1	86
Selenium				104.0	92.0		80.5	127.0	88
Silver				155.0	146.2		103	207.0	94
Sodium				722.0	689.5		462	982.0	95
Thallium				132.0	127.8		102	162.0	97
Vanadium				148.0	129.5		114	182.0	88
Zinc				150.0	140.7		119	181.0	94

USEPA - CLP

8-IN

ICP_AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

MW-BR11

Lab Name: Mitkem Corporation Contract: 002699.ID09

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Matrix (soil/water): SOIL Level (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	68572.74		74138.17		8		P
Antimony	6.30	U	30.00	U			P
Arsenic	83.60		80.85		3		P
Barium	851.09		924.63	J	9		P
Beryllium	4.64	J	5.01	J	8		P
Cadmium	4.97	J	4.70	J	5		P
Calcium	65744.26		68666.07		4		P
Chromium	119.27		126.63		6		P
Cobalt	120.88		133.30	J	10	E	P
Copper	286.01		293.02		2		P
Iron	288209.01		328663.38		14	E	P
Lead	116.66		122.58		5		P
Magnesium	66030.87		73525.12		11	E	P
Manganese	5442.92		5939.98		9		P
Nickel	259.67		281.77		9		P
Potassium	11485.67		12151.29	J	6		P
Selenium	58.60		69.49	J	19		P
Silver	1.00	U	5.00	U			P
Sodium	449.87	J	471.96	J	5		P
Thallium	67.56		69.55	J	3		P
Vanadium	223.51		239.45	J	7		P
Zinc	763.14		858.73		13	E	P

USEPA - CLP

8-IN

ICP_AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

RB

Lab Name: Mitkem Corporation Contract: 002699.ID09

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Matrix (soil/water): WATER Level (low/med): MED

Concentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	14.53	J	1000.00	U	100		P
Antimony	1.41	J	300.00	U	100		P
Arsenic	10.00	U	50.00	U			P
Barium	1.32	J	1000.00	U	100		P
Beryllium	5.00	U	25.00	U			P
Cadmium	0.12	J	25.00	U	225		P
Calcium	193.20	J	149.90	J	22		P
Chromium	4.08	J	4.94	J	21		P
Cobalt	50.00	U	250.00	U			P
Copper	25.00	U	125.00	U			P
Iron	345.64		413.51	J	20		P
Lead	1.66	J	3.46	J	108		P
Magnesium	16.53	J	25000.00	U	100		P
Manganese	6.49	J	6.81	J	5		P
Nickel	1.13	J	2.21	J	96		P
Potassium	60.40	J	448.65	J	643		P
Selenium	35.00	U	23.42	J			P
Silver	10.00	U	50.00	U			P
Sodium	5000.00	U	25000.00	U			P
Thallium	25.00	U	125.00	U			P
Vanadium	0.49	J	1.87	J	282		P
Zinc	17.77	J	300.00	U	100		P

USEPA - CLP

9-IN

METHOD DETECTION LIMITS (ANUALLY)

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Instrument Type: CV InstrumentID: FIMS1 Date: 10/16/2006

Preparation Method: METHO

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wavelength /Mass	CRQL	MDL
Mercury	253.70	0.2	0.084

Comments:

USEPA - CLP

9-IN

METHOD DETECTION LIMITS (ANUALLY)

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Instrument Type: CV InstrumentID: FIMS1 Date: 10/16/2006

Preparation Method: METHO

Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Wavelength /Mass	CRQL	MDL
Mercury	253.70	0.1	0.015

Comments:

USEPA - CLP

9-IN

METHOD DETECTION LIMITS (ANUALLY)

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Instrument Type: AS InstrumentID: LACHAT1 Date: 10/16/2006

Preparation Method: METHO

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wavelength /Mass	CRQL	MDL
Cyanide	570.00	10	3.9

Comments:

USEPA - CLP

9-IN

METHOD DETECTION LIMITS (ANUALLY)

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Instrument Type: AS InstrumentID: LACHAT1 Date: 10/16/2006

Preparation Method: METHO

Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Wavelength /Mass	CRQL	MDL
Cyanide	570.00	2.5	0.22

Comments:

USEPA - CLP

9-IN

METHOD DETECTION LIMITS (ANUALLY)

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Instrument Type: P InstrumentID: OPTIMA3 Date: 10/16/2006

Preparation Method: METHO

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum	308.21	200	4.9
Antimony	206.83	60	0.79
Arsenic	188.98	10	1.7
Barium	233.53	200	0.49
Beryllium	313.11	5.0	0.10
Cadmium	226.50	5.0	0.077
Calcium	227.54	5000	18.0
Chromium	267.72	10	0.16
Cobalt	228.62	50	0.30
Copper	324.75	25	5.1
Iron	273.96	100	44.0
Lead	220.35	10	0.60
Magnesium	279.08	5000	11.0
Manganese	257.61	15	0.66
Nickel	231.60	40	0.34
Potassium	766.49	5000	26.0
Selenium	196.03	35	2.1
Silver	328.07	10	1.5
Sodium	589.59	5000	41.0
Thallium	190.80	25	1.3
Vanadium	292.40	50	0.30
Zinc	206.20	60	8.5

Comments:

USEPA - CLP

9-IN

METHOD DETECTION LIMITS (ANUALLY)

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Instrument Type: P InstrumentID: OPTIMA3 Date: 10/16/2006

Preparation Method: METHO

Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum	308.21	20	1.6
Antimony	206.83	6.0	0.22
Arsenic	188.98	1.0	0.13
Barium	233.53	20	0.083
Beryllium	313.11	0.50	0.0061
Cadmium	226.50	0.50	0.020
Calcium	227.54	500	8.7
Chromium	267.72	1.0	0.026
Cobalt	228.62	5.0	0.068
Copper	324.75	2.5	0.38
Iron	273.96	10	0.47
Lead	220.35	1.0	0.073
Magnesium	279.08	500	2.6
Manganese	257.61	1.5	0.047
Nickel	231.60	4.0	0.078
Potassium	766.49	500	3.3
Selenium	196.03	3.5	0.40
Silver	328.07	1.0	0.098
Sodium	589.59	500	1.1
Thallium	190.80	2.5	0.10
Vanadium	292.40	5.0	0.014
Zinc	206.20	6.0	1.1

Comments:

USEPA - CLP

10A-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

ICP-AES Instrument ID: OPTIMA3 Date: 7/12/2007

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Cr
Aluminum	308.21		0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0165194	-0.0269414	0.0671652	0.0000000	34.8423000
Arsenic	188.97	0.0321479	-0.0164298	0.0092644	0.0069818	-15.1898000
Barium	233.52	0.0000000	0.0000000	0.0070839	0.0000000	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	227.54	0.0000000		21.3231000	0.1322570	6.3847900
Chromium	267.71	0.0162366	0.0000000	-0.0128320	0.0000000	
Cobalt	228.61	0.0000000	0.0103082	0.0063178	0.0000000	0.0000000
Copper	324.75	0.0000000	-0.0029022	0.0481345	0.0000000	0.0000000
Iron	273.95	4.0019200	0.9972660		1.0248300	0.0000000
Lead	220.35	-0.0261250	-0.0091514	0.0338637	-0.0025272	-0.1959070
Magnesium	279.07	0.0000000	0.0000000	0.4544340		0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	-0.0744474
Nickel	231.60	0.0304040	0.0208473	0.0000000	0.0030666	0.0000000
Selenium	196.02	-0.0277409	0.1280500	-0.3677690	-0.0024431	-0.2418720
Silver	328.06	0.0025030	-0.0810159	0.2373430	0.0000000	-0.3365300
Sodium	330.24	0.0000000	2.0260100	-1.1192500	0.0000000	6.9071900
Thallium	190.80	0.0752767	-0.0021910	-0.1260270	-0.0129623	0.1731700
Vanadium	292.40	0.0000000	0.0000000	-0.0170223	0.0000000	-1.7970000
Zinc	206.20	0.0976461	0.0022339	0.0000000	-0.0113280	-5.2512300

Comments:

USEPA - CLP

10B-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

ICP-AES Instrument ID: OPTIMA3 Date: 7/12/2007

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cu	Mn	Ni	Tl	Ti
Aluminum	308.21	0.0000000	0.0000000	0.0000000	-2.6451200	0.0000000
Antimony	206.83	0.0508536	-0.0741957	-0.3922080	-0.1524470	-1.1446500
Arsenic	188.97	0.0000000	0.0801510	0.0816481	0.1155630	-0.3434380
Barium	233.52	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.10	0.0000000	0.0000000	0.0000000	0.0000000	-1.8085900
Cadmium	226.50	0.0000000	0.0000000	-0.4609680	0.0000000	0.0000000
Calcium	227.54	5.8622800	-3.3650500	42.5140000	0.0000000	0.0000000
Chromium	267.71	0.0000000	0.9235800	0.0000000	0.0000000	0.1055630
Cobalt	228.61	0.0000000	0.0000000	0.0830718	0.0000000	2.9101900
Copper	324.75		0.0000000	0.0000000	0.0000000	0.0000000
Iron	273.95	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.3741390	0.2127200	-0.1735820	0.0000000	0.0000000
Magnesium	279.07	0.0000000	-11.7192000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000		0.0000000	0.0000000	0.0000000
Nickel	231.60	0.0904334	0.0000000		0.2723600	0.7524540
Selenium	196.02	-0.3950490	0.8330850	0.0192791	-0.1264270	-0.1039310
Silver	328.06	-0.1307520	-0.3365300	0.0000000	0.0616354	0.1488940
Sodium	330.24	0.0000000	0.0000000	0.0000000	0.0000000	-221.0530000
Thallium	190.80	0.0404189	-1.1832000	0.0000000		0.3880270
Vanadium	292.40	0.1117630	-0.0763171	0.0000000	0.0000000	0.1276600
Zinc	206.20	0.0747221	-0.8763280	0.0000000	0.0719308	0.0000000

Comments:

USEPA - CLP

10B-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

ICP-AES Instrument ID: OPTIMA3 Date: 7/12/2007

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	___	___	___	___
Aluminum	308.21	8.3394700				
Antimony	206.83	-1.4353000				
Arsenic	188.97	0.1630090				
Barium	233.52	-1.2844000				
Beryllium	313.10	-0.0323626				
Cadmium	226.50	0.0000000				
Calcium	227.54	19.8272000				
Chromium	267.71	-0.6777960				
Cobalt	228.61	0.0000000				
Copper	324.75	-0.0393918				
Iron	273.95	74.7782000				
Lead	220.35	-0.0369626				
Magnesium	279.07	-1.0695800				
Manganese	257.61	0.0000000				
Nickel	231.60	0.0842320				
Selenium	196.02	-0.3437310				
Silver	328.06	12.9032000				
Sodium	330.24	4.4905800				
Thallium	190.80	0.5103940				
Vanadium	292.40					
Zinc	206.20	0.0415035				

Comments:

USEPA - CLP

11-IN

ICP-AES and ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

ICP InstrumentID: OPTIMA3 Date: 8/1/2007

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	0.20	500000	P
Antimony	0.20	50000	P
Arsenic	0.20	25000	P
Barium	0.20	50000	P
Beryllium	0.20	5000	P
Cadmium	0.20	25000	P
Calcium	0.20	500000	P
Chromium	0.20	25000	P
Cobalt	0.20	50000	P
Copper	0.20	50000	P
Iron	0.20	300000	P
Lead	0.20	50000	P
Magnesium	0.20	500000	P
Manganese	0.20	25000	P
Nickel	0.20	50000	P
Potassium	0.20	250000	P
Selenium	0.20	25000	P
Silver	0.20	2500	P
Sodium	0.20	250000	P
Thallium	0.20	50000	P
Vanadium	0.20	25000	P
Zinc	0.20	25000	P

Comments:

USEPA - CLP

12-IN

PREPARATION LOG

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Preparation Method: DS2

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
ICV	07/30/2007	1.00	50
MIDRANGE	07/30/2007	1.00	50
LCSS	07/30/2007	1.01	50
MW-BR11	07/30/2007	1.13	50
PBS	07/30/2007	1.00	50

Comments:

USEPA - CLP

12-IN

PREPARATION LOG

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Preparation Method: DW2

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
ICV	08/07/2007		50
MIDRANGE	08/07/2007		50
PBW	08/07/2007		50
RB	08/07/2007		50
RBD	08/07/2007		50
RBS	08/07/2007		50

Comments:

USEPA - CLP

12-IN

PREPARATION LOG

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Preparation Method: CS1

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
CCB	08/13/2007	0.20	100
CCV	08/13/2007	0.20	100
ICB	08/13/2007	0.20	100
ICV	08/13/2007	0.20	100
S0	08/13/2007	0.20	100
S0.2	08/13/2007	0.20	100
S1.0	08/13/2007	0.20	100
S10.0	08/13/2007	0.20	100
S2.0	08/13/2007	0.20	100
S5.0	08/13/2007	0.20	100
LCSS	08/13/2007	0.20	100
MW-BR11	08/13/2007	0.24	100
MW-BR11D	08/13/2007	0.24	100
MW-BR11S	08/13/2007	0.24	100
PBS	08/13/2007	0.20	100

Comments:

USEPA - CLP

12-IN

PREPARATION LOG

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Preparation Method: CW1

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
CCB	08/13/2007		100
CCV	08/13/2007		100
ICB	08/13/2007		100
ICV	08/13/2007		100
S0	08/13/2007		100
S0.2	08/13/2007		100
S1.0	08/13/2007		100
S10.0	08/13/2007		100
S2.0	08/13/2007		100
S5.0	08/13/2007		100
PBW	08/13/2007		100
RB	08/13/2007		100

Comments:

USEPA - CLP

12-IN

PREPARATION LOG

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Preparation Method: METHOD HW1 8/24/17 DS

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSW	08/13/2007		50
PBW	08/13/2007		50
RB	08/13/2007		50

Comments:

USEPA - CLP

12-IN

PREPARATION LOG

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Preparation Method: METHOD HSI, 8/24/07 DCS

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	08/13/2007	1.00	100
MW-BR11	08/13/2007	1.10	100
MW-BR11D	08/13/2007	1.10	100
MW-BR11S	08/13/2007	1.10	100
PBS	08/13/2007	1.00	100

Comments:

USEPA - CLP

13-IN

ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Instrument ID: FIMS1 Analysis Method: CV

Start Date: 08/14/2007 End Date: 08/14/2007

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	0901																X									
S0.2	1.0	0902																X									
S1.0	1.0	0903																X									
S2.0	1.0	0905																X									
S5.0	1.0	0906																X									
S10.0	1.0	0908																X									
ICV	1.0	0909																X									
ICB	1.0	0910																X									
CRI	1.0	0912																X									
CCV	1.0	0913																X									
CCB	1.0	0915																X									
PBS	1.0	0916																X									
LCSS	1.0	0918																X									
MW-BR11	1.0	0919																X									
MW-BR11D	1.0	0920																X									
MW-BR11S	1.0	0922																X									
CCV	1.0	0923																X									
CCB	1.0	0925																X									
CRI	1.0	0926																X									
CCV	1.0	0928																X									
CCB	1.0	0929																X									

USEPA - CLP

13-IN

ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Instrument ID: FIMS1 Analysis Method: CV

Start Date: 08/14/2007 End Date: 08/14/2007

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	1114																X									
S0.2	1.0	1115																X									
S1.0	1.0	1117																X									
S2.0	1.0	1118																X									
S5.0	1.0	1120																X									
S10.0	1.0	1121																X									
ICV	1.0	1123																X									
ICB	1.0	1124																X									
CRI	1.0	1125																X									
CCV	1.0	1127																X									
CCB	1.0	1128																X									
PBW	1.0	1130																X									
RB	1.0	1131																X									
ZZZZZZ	1.0	1133																										
ZZZZZZ	1.0	1134																										
ZZZZZZ	1.0	1135																										
CCV	1.0	1137																X									
CCB	1.0	1138																X									
ZZZZZZ	1.0	1140																										
ZZZZZZ	1.0	1141																										
ZZZZZZ	1.0	1143																										
ZZZZZZ	1.0	1144																										
ZZZZZZ	1.0	1145																										
ZZZZZZ	1.0	1147																										
ZZZZZZ	1.0	1148																										
CRI	1.0	1150																X									
CCV	1.0	1151																X									
CCB	1.0	1153																X									

USEPA - CLP

13-IN

ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Instrument ID: LACHAT1 Analysis Method: AS

Start Date: 07/31/2007 End Date: 07/31/2007

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0.0	1.0	1044																								X
S0.01	1.0	1047																								X
S0.025	1.0	1049																								X
S0.05	1.0	1052																								X
S0.10	1.0	1055																								X
S0.20	1.0	1057																								X
S0.40	1.0	1100																								X
ICV	1.0	1103																								X
ICB	1.0	1106																								X
CRA	1.0	1108																								X
CCV	1.0	1111																								X
CCB	1.0	1113																								X
MIDRANGE	1.0	1116																								X
PBS	1.0	1118																								X
ZZZZZZ	10.0	1121																								
ZZZZZZ	1.0	1123																								
ZZZZZZ	1.0	1126																								
ZZZZZZ	1.0	1128																								
ZZZZZZ	1.0	1131																								
ZZZZZZ	1.0	1133																								
CCV	1.0	1136																								X
CCB	1.0	1138																								X
ZZZZZZ	1.0	1141																								
ZZZZZZ	1.0	1143																								
MW-BR11	1.0	1146																								X
CRA	1.0	1149																								X
CCV	1.0	1151																								X
CCB	1.0	1154																								X
ZZZZZZ	1.0	1156																								
ZZZZZZ	10.0	1221																								
ZZZZZZ	1.0	1223																								
ZZZZZZ	1.0	1226																								

USEPA - CLP

13-IN

ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Instrument ID: LACHAT1 Analysis Method: AS

Start Date: 07/31/2007 End Date: 07/31/2007

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.0	1228																								
LCSS	10.0	1539																								X
CRA	1.0	1541																								X
CCV	1.0	1544																								X
CCB	1.0	1546																								X

USEPA - CLP

13-IN

ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Instrument ID: LACHAT1 Analysis Method: AS

Start Date: 08/09/2007 End Date: 08/09/2007

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0.0	1.0	1300																								X
S0.01	1.0	1303																								X
S0.025	1.0	1305																								X
S0.05	1.0	1308																								X
S0.10	1.0	1310																								X
S0.20	1.0	1313																								X
S0.40	1.0	1315																								X
ICV	1.0	1319																								X
ICB	1.0	1321																								X
CRI	1.0	1324																								X
CCV	1.0	1327																								X
CCB	1.0	1329																								X
MIDRANGE	1.0	1332																								X
PBW	1.0	1334																								X
RB	1.0	1337																								X
RBD	1.0	1339																								X
RBS	1.0	1342																								X
CRI	1.0	1344																								X
CCV	1.0	1347																								X
CCB	1.0	1349																								X

USEPA - CLP

13-IN

ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Instrument ID: OPTIMA3 Analysis Method: P

Start Date: 08/21/2007 End Date: 08/21/2007

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	0901																		X			X				
S1	1.0	0904																		X			X				
ICV	1.0	0906																		X			X				
ICB	1.0	0909																		X			X				
ICSA	1.0	0911																		X			X				
ICSAB	1.0	0913																		X			X				
CCV	1.0	0916																		X			X				
CCB	1.0	0918																		X			X				
PBS	1.0	0920																		X			X				
LCSS	1.0	0922																		X			X				
MW-BR11	1.0	0925																		X			X				
MW-BR11D	1.0	0927																		X			X				
MW-BR11L	5.0	0929																		X			X				
PBW	1.0	0932																		X			X				
LCSW	1.0	0934																		X			X				
RB	1.0	0936																		X			X				
RBL	5.0	0939																		X			X				
CCV	1.0	0941																		X			X				
CCB	1.0	0943																		X			X				
ZZZZZZ	1.0	0946																										
ZZZZZZ	1.0	0948																										
ZZZZZZ	1.0	0950																										
ZZZZZZ	5.0	0953																										
ICSA	1.0	0955										.								X			X				
ICSAB	1.0	0957																		X			X				
CCV	1.0	1000																		X			X				
CCB	1.0	1002																		X			X				

USEPA - CLP

13-IN

ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Instrument ID: OPTIMA3 Analysis Method: P

Start Date: 08/21/2007 End Date: 08/21/2007

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	1033		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
S1	1.0	1036		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICV	1.0	1040		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICB	1.0	1046		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CRI	1.0	1049		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSA	1.0	1052		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.0	1055		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV	1.0	1058		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCB	1.0	1102		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
PBS	1.0	1105		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
LCSS	1.0	1108		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
MW-BR11	1.0	1111		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
MW-BR11D	1.0	1114		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
MW-BR11S	1.0	1117		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
MW-BR11L	5.0	1121		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
MW-BR11A	1.0	1124			X																						
CCV	1.0	1127		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCB	1.0	1130		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
PBW	1.0	1133		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
LCSW	1.0	1137		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
RB	1.0	1140		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
RBL	5.0	1143		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CRI	1.0	1146		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSA	1.0	1149		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.0	1152		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV	1.0	1156		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCB	1.0	1159		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	

USEPA - CLP

13-IN

ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1025

Instrument ID: OPTIMA3 Analysis Method: P

Start Date: 08/23/2007 End Date: 08/23/2007

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.0	0853													X						X						
S1	1.0	0856													X						X						
ICV	1.0	0859													X						X						
ICB	1.0	0906													X						X						
CRI	1.0	0909													X						X						
ICSA	1.0	0912													X						X						
ICSAB	1.0	0915													X						X						
CCV	1.0	0918													X						X						
CCB	1.0	0921													X						X						
ZZZZZZ	1.0	0924																										
ZZZZZZ	1.0	0928																										
ZZZZZZ	1.0	0931																										
ZZZZZZ	5.0	0934																										
MW-BR11A	1.0	0937													X						X						
CRI	1.0	0940													X						X						
ICSA	1.0	0943													X						X						
ICSAB	1.0	0947													X						X						
CCV	1.0	0950													X						X						
CCB	1.0	0953													X						X						

Instrument Raw Data

- [x] ICP
- [x] Mercury
- [x] Cyanide

Analysis Begun

Start Time: 8/21/2007 9:01:48 AM
Logged In Analyst: optima3
Spectrometer Model: Optima 4300 DV, S/N 077N3102302
Plasma On Time: 8/21/2007 8:29:08 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\0701A.sif
Batch ID:
Results Data Set: B07082101
Results Library: C:\pe\Administrator\Results\Results.mdb

Method Loaded
Method Name: Na-K CLP
IEC File:
Method Description: K-Na CLP
Method Last Saved: 10/3/2006 12:38:36 PM
MSF File:

Sequence No.: 1
Sample ID: S0
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 8/21/2007 9:01:48 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
K 766.490	1414.1	131.93	9.33%	[0.00]	mg/L
Na 589.592	328.5	71.43	21.75%	[0.00]	mg/L

Sequence No.: 2
Sample ID: S1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 9
Date Collected: 8/21/2007 9:04:23 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
K 766.490	149756.0	1050.78	0.70%	[50]	mg/L
Na 589.592	374806.4	2215.91	0.59%	[50]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
K 766.490	1	Lin Thru 0	0.0	2995	0.00000	1.000000	
Na 589.592	1	Lin Thru 0	0.0	7496	0.00000	1.000000	

Sequence No.: 3
Sample ID: ICV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 10
Date Collected: 8/21/2007 9:06:43 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
K 766.490	108377.7	36.185	mg/L ✓	0.7055	36.185	mg/L	0.7055	1.95%
Na 589.592	275663.4	36.774	mg/L ✓	0.5858	36.774	mg/L	0.5858	1.59%

Sequence No.: 4
Sample ID: ICB
Autosampler Location: 4
Date Collected: 8/21/2007 9:09:03 AM

Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	346.8	0.1158	mg/L	0.01549	0.1158	mg/L	0.01549	13.37%
Na 589.592	12.9	0.0017	mg/L	0.00479	0.0017	mg/L	0.00479	277.33%

==========

Sequence No.: 5
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 8/21/2007 9:11:23 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	415.4	0.1387	mg/L	0.00585	0.1387	mg/L	0.00585	4.21%
Na 589.592	552.8	0.0737	mg/L	0.00046	0.0737	mg/L	0.00046	0.63%

==========

Sequence No.: 6
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 8/21/2007 9:13:44 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	246.0	0.0821	mg/L	0.00224	0.0821	mg/L	0.00224	2.72%
Na 589.592	593.8	0.0792	mg/L	0.01095	0.0792	mg/L	0.01095	13.83%

==========

Sequence No.: 7
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 8/21/2007 9:16:01 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	74530.9	24.884	mg/L	0.0520	24.884	mg/L	0.0520	0.21%
Na 589.592	189853.4	25.327	mg/L	0.0805	25.327	mg/L	0.0805	0.32%

==========

Sequence No.: 8
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 8/21/2007 9:18:21 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	151.3	0.0505	mg/L	0.00863	0.0505	mg/L	0.00863	17.08%
Na 589.592	81.1	0.0108	mg/L	0.00164	0.0108	mg/L	0.00164	15.21%

==========

Sequence No.: 9
Sample ID: MB-31670,31760
Analyst:

Autosampler Location: 14
Date Collected: 8/21/2007 9:20:41 AM
Data Type: Original

Initial Sample Wt:
Dilution:
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-31670,31760

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	166.3	0.0555	mg/L	0.02226	0.0555	mg/L	0.02226	40.08%
Na 589.592	532.2	0.0710	mg/L	0.02483	0.0710	mg/L	0.02483	34.97%

==========

Sequence No.: 10
Sample ID: LCS-31760,31760
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 15
Date Collected: 8/21/2007 9:22:59 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-31760,31760

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	63978.6	21.361	mg/L	0.3623	21.361	mg/L	0.3623	1.70%
Na 589.592	51683.9	6.8947	mg/L	0.12362	6.8947	mg/L	0.12362	1.79%

==========

Sequence No.: 11
Sample ID: F1025-01B,31760
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 16
Date Collected: 8/21/2007 9:25:17 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1025-01B,31760

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	34400.9	11.486	mg/L	0.1714	11.486	mg/L	0.1714	1.49%
Na 589.592	3372.3	0.4499	mg/L	0.00783	0.4499	mg/L	0.00783	1.74%

==========

Sequence No.: 12
Sample ID: F1025-01BDUP,31760
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 17
Date Collected: 8/21/2007 9:27:35 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1025-01BDUP,31760

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	37717.9	12.593	mg/L	0.3894	12.593	mg/L	0.3894	3.09%
Na 589.592	3778.9	0.5041	mg/L	0.00959	0.5041	mg/L	0.00959	1.90%

==========

Sequence No.: 13
Sample ID: F1025-01BSD,31760
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 18
Date Collected: 8/21/2007 9:29:53 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1025-01BSD,31760

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	7278.9	2.4303	mg/L	0.03353	2.4303	mg/L	0.03353	1.38%
Na 589.592	707.6	0.0944	mg/L	0.01119	0.0944	mg/L	0.01119	11.85%

==========

Sequence No.: 14
Sample ID: MB-31667,31667
Analyst:
Initial Sample Wt:
Autosampler Location: 19
Date Collected: 8/21/2007 9:32:11 AM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Mean Data: MB-31667,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	60.8	0.0203	mg/L	0.02274	0.0203	mg/L	0.02274	111.98%
Na 589.592	25.3	0.0034	mg/L	0.00861	0.0034	mg/L	0.00861	254.73%

Sequence No.: 15
Sample ID: LCS-31667,31667
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 8/21/2007 9:34:31 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-31667,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	73157.7	24.426	mg/L	0.5116	24.426	mg/L	0.5116	2.09%
Na 589.592	183776.2	24.516	mg/L	0.5198	24.516	mg/L	0.5198	2.12%

Sequence No.: 16
Sample ID: F1025-02B,31667
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 8/21/2007 9:36:50 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1025-02B,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	180.9	0.0604	mg/L	0.04672	0.0604	mg/L	0.04672	77.35%
Na 589.592	187.7	0.0250	mg/L	0.00500	0.0250	mg/L	0.00500	19.99%

Sequence No.: 17
Sample ID: F1025-02BSD,31667
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 22
Date Collected: 8/21/2007 9:39:09 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1025-02BSD,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	268.8	0.0897	mg/L	0.03916	0.0897	mg/L	0.03916	43.64%
Na 589.592	279.6	0.0373	mg/L	0.01684	0.0373	mg/L	0.01684	45.15%

Sequence No.: 18
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 8/21/2007 9:41:29 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	74740.1	24.954	mg/L	0.0965	24.954	mg/L	0.0965	0.39%
Na 589.592	189987.3	25.345	mg/L	0.0194	25.345	mg/L	0.0194	0.08%

Sequence No.: 19
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 8/21/2007 9:43:49 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	150.1	0.0501	mg/L	0.00388	0.0501	mg/L	0.00388	7.75%
Na 589.592	150.4	0.0201	mg/L	0.01627	0.0201	mg/L	0.01627	81.08%

Sequence No.: 20
Sample ID: MB-31781,31781
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 23
Date Collected: 8/21/2007 9:46:09 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-31781,31781

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	58.9	0.0197	mg/L	0.01016	0.0197	mg/L	0.01016	51.63%
Na 589.592	-21.2	-0.0028	mg/L	0.00492	-0.0028	mg/L	0.00492	173.92%

Sequence No.: 21
Sample ID: LCS-31781,31781
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 24
Date Collected: 8/21/2007 9:48:29 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-31781,31781

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	72530.6	24.216	mg/L	0.1178	24.216	mg/L	0.1178	0.49%
Na 589.592	182679.3	24.370	mg/L	0.0110	24.370	mg/L	0.0110	0.04%

Sequence No.: 22
Sample ID: F1114-01C,31781
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 25
Date Collected: 8/21/2007 9:50:51 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1114-01C,31781

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	8822.7	2.9457	mg/L	0.10832	2.9457	mg/L	0.10832	3.68%
Na 589.592	200151.4	26.701	mg/L	0.3280	26.701	mg/L	0.3280	1.23%

Sequence No.: 23
Sample ID: F1114-01CSD,31781
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 26
Date Collected: 8/21/2007 9:53:12 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1114-01CSD,31781

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	1857.1	0.6200	mg/L	0.00327	0.6200	mg/L	0.00327	0.53%
Na 589.592	40400.8	5.3896	mg/L	0.02691	5.3896	mg/L	0.02691	0.50%

Sequence No.: 24
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 5
Date Collected: 8/21/2007 9:55:31 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	398.7	0.1331	mg/L	0.00316	0.1331	mg/L	0.00316	2.37%
Na 589.592	522.4	0.0697	mg/L	0.00276	0.0697	mg/L	0.00276	3.97%

Sequence No.: 25
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 8/21/2007 9:57:52 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	215.7	0.0720	mg/L	0.03620	0.0720	mg/L	0.03620	50.28%
Na 589.592	512.7	0.0684	mg/L	0.01417	0.0684	mg/L	0.01417	20.72%

Sequence No.: 26
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 8/21/2007 10:00:09 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	74559.2	24.894	mg/L	0.1051	24.894	mg/L	0.1051	0.42%
Na 589.592	188872.3	25.196	mg/L	0.0310	25.196	mg/L	0.0310	0.12%

Sequence No.: 27
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 8/21/2007 10:02:29 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	117.5	0.0392	mg/L	0.03591	0.0392	mg/L	0.03591	91.50%
Na 589.592	130.2	0.0174	mg/L	0.00201	0.0174	mg/L	0.00201	11.58%

Reprocessing Begun
Logged In Analyst: optima3 Technique: ICP Continuous

Results Data Set (original): B07082102
Results Library (original): C:\pe\Administrator\Results\Results.mdb
Results Data Set (reprocessed): B07082102A
Results Library (reprocessed): C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1 Autosampler Location: 1
Sample ID: S0 Date Collected: 8/21/2007 10:33:30 AM
Analyst: Data Type: Reprocessed on 8/22/2007 8:46:20 AM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	-38.7	23.20	60.01%	[0.00]	mg/L
Al 308.215	2925.8	17.99	0.61%	[0.00]	mg/L
As 188.979	3.5	2.08	60.12%	[0.00]	mg/L
Ba 233.527	-37.8	7.14	18.88%	[0.00]	mg/L
Be 313.107	-1548.3	3.63	0.23%	[0.00]	mg/L
Co 228.616	-4.3	1.74	40.81%	[0.00]	mg/L
Cr 267.716	-33.8	29.16	86.21%	[0.00]	mg/L
Cu 324.752	996.0	21.43	2.15%	[0.00]	mg/L
Fe 273.955	-163.2	6.23	3.82%	[0.00]	mg/L
Mg 279.077	-531.3	68.29	12.85%	[0.00]	mg/L
Mn 257.610	-71.4	15.37	21.52%	[0.00]	mg/L
Ni 231.604	9.2	3.24	35.28%	[0.00]	mg/L
Pb 220.353	19.2	4.49	23.35%	[0.00]	mg/L
Sb 206.836	-0.9	1.22	137.25%	[0.00]	mg/L
Se 196.026	0.7	3.10	455.47%	[0.00]	mg/L
Tl 190.801	0.1	1.56	>999.9%	[0.00]	mg/L
V 292.402	-97.2	17.66	18.16%	[0.00]	mg/L
Zn 206.200	6.2	5.49	88.93%	[0.00]	mg/L
Na 330.237	-297.0	73.67	24.80%	[0.00]	mg/L
Cd 226.502	-18.8	5.61	29.84%	[0.00]	mg/L
Ti 334.940	72.1	76.17	105.62%	[0.00]	mg/L
Ca 227.546	113.0	4.96	4.39%	[0.00]	mg/L

Sequence No.: 2 Autosampler Location: 9
Sample ID: S1 Date Collected: 8/21/2007 10:36:51 AM
Analyst: Data Type: Reprocessed on 8/22/2007 8:46:21 AM
Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	253123.9	6201.33	2.45%	[2.5]	mg/L
Al 308.215	651274.5	5726.87	0.88%	[20]	mg/L
As 188.979	961.8	0.36	0.04%	[1]	mg/L
Ba 233.527	1990259.3	20552.16	1.03%	[20]	mg/L
Be 313.107	1151919.5	14057.06	1.22%	[0.5]	mg/L
Co 228.616	118530.8	840.89	0.71%	[5]	mg/L
Cr 267.716	81826.2	55.00	0.07%	[2]	mg/L
Cu 324.752	706100.1	7328.95	1.04%	[2.5]	mg/L
Fe 273.955	373809.0	151.84	0.04%	[10]	mg/L
Mg 279.077	1381141.9	15569.12	1.13%	[50]	mg/L
Mn 257.610	3021461.9	39386.74	1.30%	[5]	mg/L
Ni 231.604	92187.6	67.89	0.07%	[5]	mg/L
Pb 220.353	4814.1	10.08	0.21%	[1]	mg/L
Sb 206.836	863.3	0.75	0.09%	[1]	mg/L

Se 196.026	692.2	2.18	0.32%	[1] mg/L
Tl 190.801	1142.9	1.82	0.16%	[1] mg/L
V 292.402	431123.4	5526.06	1.28%	[5] mg/L
Zn 206.200	126781.4	423.32	0.33%	[5] mg/L
Na 330.237	76760.4	60.59	0.08%	[50] mg/L
Cd 226.502	25711.3	87.17	0.34%	[0.5] mg/L
Ti 334.940	775401.5	9860.84	1.27%	[1] mg/L
Ca 227.546	11974.1	4.80	0.04%	[50] mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin Thru 0	0.0	101200	0.00000	1.000000	
Al 308.215	1	Lin Thru 0	0.0	32560	0.00000	1.000000	
As 188.979	1	Lin Thru 0	0.0	961.8	0.00000	1.000000	
Ba 233.527	1	Lin Thru 0	0.0	99510	0.00000	1.000000	
Be 313.107	1	Lin Thru 0	0.0	2304000	0.00000	1.000000	
Co 228.616	1	Lin Thru 0	0.0	23710	0.00000	1.000000	
Cr 267.716	1	Lin Thru 0	0.0	40910	0.00000	1.000000	
Cu 324.752	1	Lin Thru 0	0.0	282400	0.00000	1.000000	
Fe 273.955	1	Lin Thru 0	0.0	37380	0.00000	1.000000	
Mg 279.077	1	Lin Thru 0	0.0	27620	0.00000	1.000000	
Mn 257.610	1	Lin Thru 0	0.0	604300	0.00000	1.000000	
Ni 231.604	1	Lin Thru 0	0.0	18440	0.00000	1.000000	
Pb 220.353	1	Lin Thru 0	0.0	4814	0.00000	1.000000	
Sb 206.836	1	Lin Thru 0	0.0	863.3	0.00000	1.000000	
Se 196.026	1	Lin Thru 0	0.0	692.2	0.00000	1.000000	
Tl 190.801	1	Lin Thru 0	0.0	1143	0.00000	1.000000	
V 292.402	1	Lin Thru 0	0.0	86220	0.00000	1.000000	
Zn 206.200	1	Lin Thru 0	0.0	25360	0.00000	1.000000	
Na 330.237	1	Lin Thru 0	0.0	1535	0.00000	1.000000	
Cd 226.502	1	Lin Thru 0	0.0	51420	0.00000	1.000000	
Ti 334.940	1	Lin Thru 0	0.0	775400	0.00000	1.000000	
Ca 227.546	1	Lin Thru 0	0.0	239.5	0.00000	1.000000	

Sequence No.: 3
Sample ID: ICV
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 8/21/2007 10:40:06 AM
Data Type: Reprocessed on 8/22/2007 8:46:22 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	183271.6	1.7653	mg/L	0.00882	1.7653	mg/L	0.00882	0.50%
Al 308.215	470263.6	14.413	mg/L	0.0971	14.413	mg/L	0.0971	0.67%
As 188.979	697.3	0.7465	mg/L	0.00409	0.7465	mg/L	0.00409	0.55%
Ba 233.527	1481737.8	14.895	mg/L	0.1012	14.895	mg/L	0.1012	0.68%
Be 313.107	833289.6	0.3618	mg/L	0.00203	0.3618	mg/L	0.00203	0.56%
Co 228.616	86511.0	3.6508	mg/L	0.05307	3.6508	mg/L	0.05307	1.45%
Cr 267.716	59655.5	1.4571	mg/L	0.01353	1.4571	mg/L	0.01353	0.93%
Cu 324.752	508850.7	1.8028	mg/L	0.01113	1.8028	mg/L	0.01113	0.62%
Fe 273.955	272899.5	7.4810	mg/L	0.09893	7.4810	mg/L	0.09893	1.32%
Mg 279.077	1007287.9	36.509	mg/L	0.2341	36.509	mg/L	0.2341	0.64%
Mn 257.610	2213620.9	3.6633	mg/L	0.02930	3.6633	mg/L	0.02930	0.80%
Ni 231.604	67057.3	3.6383	mg/L	0.03295	3.6383	mg/L	0.03295	0.91%
Pb 220.353	3465.9	0.7210	mg/L	0.00096	0.7210	mg/L	0.00096	0.13%
Sb 206.836	649.4	0.7091	mg/L	0.00049	0.7091	mg/L	0.00049	0.07%
Se 196.026	487.3	0.7034	mg/L	0.00346	0.7034	mg/L	0.00346	0.49%
Tl 190.801	834.2	0.7335	mg/L	0.00244	0.7335	mg/L	0.00244	0.33%
V 292.402	316557.7	3.6741	mg/L	0.02350	3.6741	mg/L	0.02350	0.64%
Zn 206.200	92517.7	3.6564	mg/L	0.05215	3.6564	mg/L	0.05215	1.43%
Na 330.237	54391.6	35.337	mg/L	0.5851	35.337	mg/L	0.5851	1.66%
Cd 226.502	18660.1	0.3642	mg/L	0.00392	0.3642	mg/L	0.00392	1.08%
Ti 334.940	574.1	0.0010	mg/L	0.00004	0.0010	mg/L	0.00004	3.68%
Ca 227.546	8722.6	36.027	mg/L	0.0209	36.027	mg/L	0.0209	0.06%

Sequence No.: 4
Sample ID: ICB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 8/21/2007 10:46:15 AM
Data Type: Reprocessed on 8/22/2007 8:46:23 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	284.9	0.0028	mg/L	0.00009	0.0028	mg/L	0.00009	3.16%
Al 308.215	85.0	0.0026	mg/L	0.00354	0.0026	mg/L	0.00354	136.11%
As 188.979	-3.4	-0.0035	mg/L	0.00610	-0.0035	mg/L	0.00610	174.82%
Ba 233.527	27.1	0.0003	mg/L	0.00002	0.0003	mg/L	0.00002	7.44%
Be 313.107	66.7	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	89.99%
Co 228.616	10.3	0.0004	mg/L	0.00005	0.0004	mg/L	0.00005	10.44%
Cr 267.716	27.6	0.0007	mg/L	0.00013	0.0007	mg/L	0.00013	18.72%
Cu 324.752	-39.6	-0.0001	mg/L	0.00012	-0.0001	mg/L	0.00012	82.88%
Fe 273.955	-39.3	-0.0012	mg/L	0.00077	-0.0012	mg/L	0.00077	66.48%
Mg 279.077	84.5	0.0031	mg/L	0.00334	0.0031	mg/L	0.00334	109.13%
Mn 257.610	28.1	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	75.04%
Ni 231.604	7.7	0.0004	mg/L	0.00032	0.0004	mg/L	0.00032	75.90%
Pb 220.353	9.1	0.0019	mg/L	0.00016	0.0019	mg/L	0.00016	8.60%
Sb 206.836	3.5	0.0040	mg/L	0.00169	0.0040	mg/L	0.00169	42.38%
Se 196.026	-0.7	-0.0011	mg/L	0.00376	-0.0011	mg/L	0.00376	357.14%
Tl 190.801	-0.4	-0.0004	mg/L	0.00241	-0.0004	mg/L	0.00241	667.49%
V 292.402	38.5	0.0004	mg/L	0.00047	0.0004	mg/L	0.00047	104.87%
Zn 206.200	19.3	0.0008	mg/L	0.00001	0.0008	mg/L	0.00001	1.69%
Na 330.237	-12.0	-0.0078	mg/L	0.07368	-0.0078	mg/L	0.07368	949.02%
Cd 226.502	6.0	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	15.60%
Ti 334.940	-8.9	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	445.58%
Ca 227.546	-6.7	-0.0280	mg/L	0.03778	-0.0280	mg/L	0.03778	134.87%

Sequence No.: 5
Sample ID: CRI
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 8/21/2007 10:49:20 AM
Data Type: Reprocessed on 8/22/2007 8:46:23 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	1323.6	0.0128	mg/L	0.00012	0.0128	mg/L	0.00012	0.94%
Al 308.215	6813.5	0.2089	mg/L	0.00167	0.2089	mg/L	0.00167	0.80%
As 188.979	7.2	0.0077	mg/L	0.00110	0.0077	mg/L	0.00110	14.25%
Ba 233.527	22156.5	0.2227	mg/L	0.00061	0.2227	mg/L	0.00061	0.28%
Be 313.107	11788.1	0.0051	mg/L	0.00000	0.0051	mg/L	0.00000	0.02%
Co 228.616	1248.5	0.0529	mg/L	0.00006	0.0529	mg/L	0.00006	0.12%
Cr 267.716	420.5	0.0103	mg/L	0.00021	0.0103	mg/L	0.00021	2.06%
Cu 324.752	7184.2	0.0256	mg/L	0.00026	0.0256	mg/L	0.00026	1.01%
Fe 273.955	3834.7	0.1176	mg/L	0.00005	0.1176	mg/L	0.00005	0.04%
Mg 279.077	146948.8	5.3200	mg/L	0.00704	5.3200	mg/L	0.00704	0.13%
Mn 257.610	9869.6	0.0163	mg/L	0.00000	0.0163	mg/L	0.00000	0.03%
Ni 231.604	775.8	0.0423	mg/L	0.00024	0.0423	mg/L	0.00024	0.56%
Pb 220.353	51.9	0.0109	mg/L	0.00064	0.0109	mg/L	0.00064	5.87%
Sb 206.836	51.7	0.0598	mg/L	0.00221	0.0598	mg/L	0.00221	3.70%
Se 196.026	23.9	0.0342	mg/L	0.00319	0.0342	mg/L	0.00319	9.31%
Tl 190.801	25.5	0.0224	mg/L	0.00067	0.0224	mg/L	0.00067	3.00%
V 292.402	4537.3	0.0526	mg/L	0.00029	0.0526	mg/L	0.00029	0.56%
Zn 206.200	1656.8	0.0654	mg/L	0.00043	0.0654	mg/L	0.00043	0.66%
Na 330.237	6276.6	4.0784	mg/L	0.07777	4.0784	mg/L	0.07777	1.91%
Cd 226.502	275.5	0.0054	mg/L	0.00015	0.0054	mg/L	0.00015	2.77%
Ti 334.940	-135.6	-0.0001	mg/L	0.00010	-0.0001	mg/L	0.00010	84.75%
Ca 227.546	1163.8	4.8537	mg/L	0.01276	4.8537	mg/L	0.01276	0.26%

Sequence No.: 6
Sample ID: ICSA
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 8/21/2007 10:52:24 AM
Data Type: Reprocessed on 8/22/2007 8:46:24 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-346.2	-0.0044	mg/L	0.00003	-0.0044	mg/L	0.00003	0.62%
Al 308.215	15095854.5	463.58	mg/L	1.855	463.58	mg/L	1.855	0.40%
As 188.979	-12.5	0.0034	mg/L	0.00621	0.0034	mg/L	0.00621	184.91%
Ba 233.527	285.1	0.0016	mg/L	0.00021	0.0016	mg/L	0.00021	12.82%
Be 313.107	42.5	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	125.06%
Co 228.616	90.6	0.0278	mg/L	0.00013	0.0278	mg/L	0.00013	0.46%
Cr 267.716	-169.6	-0.0095	mg/L	0.00004	-0.0095	mg/L	0.00004	0.38%
Cu 324.752	-5657.8	-0.0067	mg/L	0.00002	-0.0067	mg/L	0.00002	0.33%
Fe 273.955	6375761.2	174.41	mg/L	0.596	174.41	mg/L	0.596	0.34%
Mg 279.077	12586076.2	455.56	mg/L	1.463	455.56	mg/L	1.463	0.32%
Mn 257.610	2436.5	0.0040	mg/L	0.00009	0.0040	mg/L	0.00009	2.29%
Saturated outside survey window (code 6)								
Ni 231.604	33.0	0.0366	mg/L	0.00055	0.0366	mg/L	0.00055	1.50%
Pb 220.353	-196.9	-0.0004	mg/L	0.00020	-0.0004	mg/L	0.00020	51.57%
Sb 206.836	-7.0	-0.0092	mg/L	0.00310	-0.0092	mg/L	0.00310	33.87%
Se 196.026	-13.1	0.0131	mg/L	0.00629	0.0131	mg/L	0.00629	48.06%
Tl 190.801	-14.2	0.0066	mg/L	0.00607	0.0066	mg/L	0.00607	92.37%
V 292.402	-732.2	-0.0056	mg/L	0.00009	-0.0056	mg/L	0.00009	1.57%
Zn 206.200	328.4	0.0077	mg/L	0.00019	0.0077	mg/L	0.00019	2.41%
Na 330.237	833.1	-0.2813	mg/L	0.15088	-0.2813	mg/L	0.15088	53.63%
Cd 226.502	554.4	0.0014	mg/L	0.00003	0.0014	mg/L	0.00003	2.20%
Ti 334.940	-5473.6	-0.0011	mg/L	0.00005	-0.0011	mg/L	0.00005	4.82%
Ca 227.546	119784.6	496.48	mg/L	7.254	496.48	mg/L	7.254	1.46%

Sequence No.: 7
Sample ID: ICSAB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 8/21/2007 10:55:39 AM
Data Type: Reprocessed on 8/22/2007 8:46:24 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	20519.8	0.1959	mg/L	0.00011	0.1959	mg/L	0.00011	0.05%
Al 308.215	14452327.8	443.81	mg/L	0.671	443.81	mg/L	0.671	0.15%
As 188.979	76.6	0.1018	mg/L	0.00079	0.1018	mg/L	0.00079	0.78%
Ba 233.527	47524.7	0.4770	mg/L	0.00127	0.4770	mg/L	0.00127	0.27%
Be 313.107	1024817.4	0.4448	mg/L	0.00044	0.4448	mg/L	0.00044	0.10%
Co 228.616	9829.7	0.4375	mg/L	0.00100	0.4375	mg/L	0.00100	0.23%
Cr 267.716	17876.6	0.4317	mg/L	0.00006	0.4317	mg/L	0.00006	0.01%
Cu 324.752	128840.9	0.4689	mg/L	0.00085	0.4689	mg/L	0.00085	0.18%
Fe 273.955	6129561.9	167.66	mg/L	0.178	167.66	mg/L	0.178	0.11%
Mg 279.077	12060733.7	436.55	mg/L	0.478	436.55	mg/L	0.478	0.11%
Mn 257.610	275976.9	0.4567	mg/L	0.00039	0.4567	mg/L	0.00039	0.09%
Ni 231.604	14965.9	0.8450	mg/L	0.00185	0.8450	mg/L	0.00185	0.22%
Pb 220.353	21.2	0.0431	mg/L	0.00144	0.0431	mg/L	0.00144	3.34%
Sb 206.836	473.4	0.5330	mg/L	0.00266	0.5330	mg/L	0.00266	0.50%
Se 196.026	16.5	0.0549	mg/L	0.01317	0.0549	mg/L	0.01317	23.99%
Tl 190.801	83.7	0.0919	mg/L	0.01081	0.0919	mg/L	0.01081	11.77%
V 292.402	38468.6	0.4497	mg/L	0.00022	0.4497	mg/L	0.00022	0.05%
Zn 206.200	21722.5	0.8540	mg/L	0.00275	0.8540	mg/L	0.00275	0.32%
Na 330.237	1912.4	0.4533	mg/L	0.02197	0.4533	mg/L	0.02197	4.85%
Cd 226.502	44488.1	0.8565	mg/L	0.00237	0.8565	mg/L	0.00237	0.28%
Ti 334.940	-5270.1	-0.0011	mg/L	0.00000	-0.0011	mg/L	0.00000	0.26%
Ca 227.546	114588.4	474.88	mg/L	0.874	474.88	mg/L	0.874	0.18%

Sequence No.: 8
Sample ID: CCV
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 8/21/2007 10:58:52 AM
Data Type: Reprocessed on 8/22/2007 8:46:25 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	124105.9	1.1961	mg/L	0.00123	1.1961	mg/L	0.00123	0.10%
Al 308.215	317435.1	9.7291	mg/L	0.05196	9.7291	mg/L	0.05196	0.53%
As 188.979	475.5	0.5088	mg/L	0.00069	0.5088	mg/L	0.00069	0.14%
Ba 233.527	1028584.7	10.339	mg/L	0.0086	10.339	mg/L	0.0086	0.08%
Be 313.107	570269.8	0.2476	mg/L	0.00045	0.2476	mg/L	0.00045	0.18%
Co 228.616	58444.3	2.4664	mg/L	0.00558	2.4664	mg/L	0.00558	0.23%
Cr 267.716	40045.1	0.9780	mg/L	0.00009	0.9780	mg/L	0.00009	0.01%
Cu 324.752	347197.1	1.2301	mg/L	0.00266	1.2301	mg/L	0.00266	0.22%
Fe 273.955	187116.9	5.1284	mg/L	0.03299	5.1284	mg/L	0.03299	0.64%
Mg 279.077	694605.0	25.176	mg/L	0.0387	25.176	mg/L	0.0387	0.15%
Mn 257.610	1520854.4	2.5168	mg/L	0.00443	2.5168	mg/L	0.00443	0.18%
Ni 231.604	45242.2	2.4547	mg/L	0.00519	2.4547	mg/L	0.00519	0.21%
Pb 220.353	2373.9	0.4938	mg/L	0.00009	0.4938	mg/L	0.00009	0.02%
Sb 206.836	464.7	0.5093	mg/L	0.00357	0.5093	mg/L	0.00357	0.70%
Se 196.026	334.4	0.4827	mg/L	0.00223	0.4827	mg/L	0.00223	0.46%
Tl 190.801	574.0	0.5048	mg/L	0.00237	0.5048	mg/L	0.00237	0.47%
V 292.402	210322.2	2.4411	mg/L	0.00282	2.4411	mg/L	0.00282	0.12%
Zn 206.200	62801.3	2.4819	mg/L	0.00160	2.4819	mg/L	0.00160	0.06%
Na 330.237	35842.2	23.284	mg/L	0.0909	23.284	mg/L	0.0909	0.39%
Cd 226.502	12622.1	0.2463	mg/L	0.00174	0.2463	mg/L	0.00174	0.71%
Ti 334.940	211.2	0.0005	mg/L	0.00006	0.0005	mg/L	0.00006	12.32%
Ca 227.546	5969.5	24.659	mg/L	0.0500	24.659	mg/L	0.0500	0.20%

Sequence No.: 9
Sample ID: CCB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 8/21/2007 11:02:04 AM
Data Type: Reprocessed on 8/22/2007 8:46:25 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	21.9	0.0002	mg/L	0.00019	0.0002	mg/L	0.00019	92.12%
Al 308.215	158.2	0.0049	mg/L	0.00166	0.0049	mg/L	0.00166	34.26%
As 188.979	-2.5	-0.0026	mg/L	0.00231	-0.0026	mg/L	0.00231	89.75%
Ba 233.527	122.4	0.0012	mg/L	0.00006	0.0012	mg/L	0.00006	5.06%
Be 313.107	84.8	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	7.24%
Co 228.616	5.6	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	9.23%
Cr 267.716	21.8	0.0005	mg/L	0.00030	0.0005	mg/L	0.00030	56.00%
Cu 324.752	31.5	0.0001	mg/L	0.00014	0.0001	mg/L	0.00014	126.87%
Fe 273.955	373.5	0.0100	mg/L	0.00011	0.0100	mg/L	0.00011	1.15%
Mg 279.077	244.3	0.0088	mg/L	0.00060	0.0088	mg/L	0.00060	6.84%
Mn 257.610	225.5	0.0004	mg/L	0.00002	0.0004	mg/L	0.00002	6.23%
Ni 231.604	6.6	0.0004	mg/L	0.00021	0.0004	mg/L	0.00021	57.66%
Pb 220.353	6.1	0.0013	mg/L	0.00078	0.0013	mg/L	0.00078	61.41%
Sb 206.836	3.0	0.0034	mg/L	0.00176	0.0034	mg/L	0.00176	51.34%
Se 196.026	0.6	0.0008	mg/L	0.00273	0.0008	mg/L	0.00273	322.14%
Tl 190.801	0.1	0.0001	mg/L	0.00219	0.0001	mg/L	0.00219	>999.9%
V 292.402	28.4	0.0003	mg/L	0.00052	0.0003	mg/L	0.00052	158.77%
Zn 206.200	49.3	0.0019	mg/L	0.00003	0.0019	mg/L	0.00003	1.33%
Na 330.237	20.8	0.0135	mg/L	0.04172	0.0135	mg/L	0.04172	308.18%
Cd 226.502	1.6	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	36.61%
Ti 334.940	-17.1	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	57.83%
Ca 227.546	-2.3	-0.0098	mg/L	0.05589	-0.0098	mg/L	0.05589	570.44%

Sequence No.: 10

Autosampler Location: 14

Sample ID: MB-31670,31760
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Date Collected: 8/21/2007 11:05:10 AM
Data Type: Reprocessed on 8/22/2007 8:46:26 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-31670,31760

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	28.3	0.0003	mg/L	0.00038	0.0003	mg/L	0.00038	130.66%
Al 308.215	254.0	0.0078	mg/L	0.00154	0.0078	mg/L	0.00154	19.75%
As 188.979	1.7	0.0017	mg/L	0.00232	0.0017	mg/L	0.00232	133.51%
Ba 233.527	75.4	0.0008	mg/L	0.00002	0.0008	mg/L	0.00002	3.14%
Be 313.107	68.7	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	33.55%
Co 228.616	6.0	0.0003	mg/L	0.00000	0.0003	mg/L	0.00000	0.71%
Cr 267.716	21.9	0.0005	mg/L	0.00075	0.0005	mg/L	0.00075	140.93%
Cu 324.752	5449.7	0.0193	mg/L	0.00005	0.0193	mg/L	0.00005	0.25%
Fe 273.955	997.7	0.0274	mg/L	0.00040	0.0274	mg/L	0.00040	1.45%
Mg 279.077	435.4	0.0158	mg/L	0.00141	0.0158	mg/L	0.00141	8.95%
Mn 257.610	1298.3	0.0021	mg/L	0.00001	0.0021	mg/L	0.00001	0.26%
Ni 231.604	15.7	0.0009	mg/L	0.00020	0.0009	mg/L	0.00020	23.86%
Pb 220.353	18.5	0.0038	mg/L	0.00007	0.0038	mg/L	0.00007	1.84%
Sb 206.836	-0.2	-0.0003	mg/L	0.00078	-0.0003	mg/L	0.00078	294.16%
Se 196.026	0.6	0.0009	mg/L	0.00002	0.0009	mg/L	0.00002	2.45%
Tl 190.801	1.4	0.0012	mg/L	0.00131	0.0012	mg/L	0.00131	107.08%
V 292.402	20.1	0.0002	mg/L	0.00044	0.0002	mg/L	0.00044	188.63%
Zn 206.200	612.3	0.0242	mg/L	0.00000	0.0242	mg/L	0.00000	0.01%
Na 330.237	500.7	0.3259	mg/L	0.08573	0.3259	mg/L	0.08573	26.31%
Cd 226.502	-5.4	-0.0001	mg/L	0.00008	-0.0001	mg/L	0.00008	77.02%
Ti 334.940	221.6	0.0003	mg/L	0.00002	0.0003	mg/L	0.00002	5.93%
Ca 227.546	41.8	0.1740	mg/L	0.03089	0.1740	mg/L	0.03089	17.75%

Sequence No.: 11
Sample ID: LCS-31760,31760
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 8/21/2007 11:08:14 AM
Data Type: Reprocessed on 8/22/2007 8:46:26 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-31760,31760

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	151301.9	1.4616	mg/L	0.03786	1.4616	mg/L	0.03786	2.59%
Al 308.215	1759224.2	54.017	mg/L	0.1662	54.017	mg/L	0.1662	0.31%
As 188.979	1767.4	1.8568	mg/L	0.00568	1.8568	mg/L	0.00568	0.31%
Ba 233.527	637937.2	6.4117	mg/L	0.01256	6.4117	mg/L	0.01256	0.20%
Be 313.107	1517662.0	0.6616	mg/L	0.00176	0.6616	mg/L	0.00176	0.27%
Co 228.616	27049.3	1.1376	mg/L	0.02527	1.1376	mg/L	0.02527	2.22%
Cr 267.716	49266.3	1.2022	mg/L	0.03311	1.2022	mg/L	0.03311	2.75%
Cu 324.752	265951.7	0.9419	mg/L	0.00209	0.9419	mg/L	0.00209	0.22%
Fe 273.955	3116287.9	83.760	mg/L	0.1954	83.760	mg/L	0.1954	0.23%
Mg 279.077	599530.0	21.704	mg/L	0.0712	21.704	mg/L	0.0712	0.33%
Mn 257.610	1877939.6	3.1078	mg/L	0.00766	3.1078	mg/L	0.00766	0.25%
Ni 231.604	38285.1	2.0783	mg/L	0.05702	2.0783	mg/L	0.05702	2.74%
Pb 220.353	4686.0	0.9775	mg/L	0.00100	0.9775	mg/L	0.00100	0.10%
Sb 206.836	371.8	0.3960	mg/L	0.00033	0.3960	mg/L	0.00033	0.08%
Se 196.026	618.1	0.9205	mg/L	0.00354	0.9205	mg/L	0.00354	0.38%
Tl 190.801	1436.3	1.2781	mg/L	0.00219	1.2781	mg/L	0.00219	0.17%
V 292.402	111360.0	1.2950	mg/L	0.03290	1.2950	mg/L	0.03290	2.54%
Zn 206.200	35545.1	1.4073	mg/L	0.03196	1.4073	mg/L	0.03196	2.27%
Na 330.237	11132.9	7.6032	mg/L	0.22289	7.6032	mg/L	0.22289	2.93%
Cd 226.502	38601.9	0.7471	mg/L	0.01792	0.7471	mg/L	0.01792	2.40%
Ti 334.940	1214318.6	1.5663	mg/L	0.00289	1.5663	mg/L	0.00289	0.18%
Ca 227.546	8734.4	34.575	mg/L	0.1017	34.575	mg/L	0.1017	0.29%

Sequence No.: 12
Sample ID: F1025-01B,31760

Autosampler Location: 16
Date Collected: 8/21/2007 11:11:27 AM

Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Data Type: Reprocessed on 8/22/2007 8:46:26 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1025-01B,31760

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-760.1	-0.0712	mg/L	0.00055	-0.0712	mg/L	0.00055	0.77%
Al 308.215	2233043.9	68.573	mg/L	0.0856	68.573	mg/L	0.0856	0.12%
As 188.979	78.8	0.0836	mg/L	0.00090	0.0836	mg/L	0.00090	1.08%
Ba 233.527	84869.3	0.8511	mg/L	0.00203	0.8511	mg/L	0.00203	0.24%
Be 313.107	6985.9	0.0046	mg/L	0.00001	0.0046	mg/L	0.00001	0.12%
Co 228.616	2885.0	0.1209	mg/L	0.00004	0.1209	mg/L	0.00004	0.03%
Cr 267.716	4977.7	0.1193	mg/L	0.00041	0.1193	mg/L	0.00041	0.34%
Cu 324.752	80980.5	0.2860	mg/L	0.00062	0.2860	mg/L	0.00062	0.22%
Fe 273.955	10752478.3	288.21	mg/L	2.271	288.21	mg/L	2.271	0.79%
Mg 279.077	1825802.4	66.031	mg/L	0.0754	66.031	mg/L	0.0754	0.11%
Mn 257.610	3289108.0	5.4429	mg/L	0.05105	5.4429	mg/L	0.05105	0.94%
Ni 231.604	4707.2	0.2597	mg/L	0.00031	0.2597	mg/L	0.00031	0.12%
Pb 220.353	538.6	0.1167	mg/L	0.00065	0.1167	mg/L	0.00065	0.56%
Sb 206.836	-21.5	-0.0144	mg/L	0.00226	-0.0144	mg/L	0.00226	15.66%
Se 196.026	-26.7	0.0586	mg/L	0.00687	0.0586	mg/L	0.00687	11.73%
Tl 190.801	-15.3	0.0676	mg/L	0.00012	0.0676	mg/L	0.00012	0.17%
V 292.402	18807.7	0.2235	mg/L	0.00045	0.2235	mg/L	0.00045	0.20%
Zn 206.200	19342.7	0.7631	mg/L	0.00113	0.7631	mg/L	0.00113	0.15%
Na 330.237	2137.6	1.7625	mg/L	0.00002	1.7625	mg/L	0.00002	0.00%
Cd 226.502	1063.3	0.0050	mg/L	0.00019	0.0050	mg/L	0.00019	3.85%
Ti 334.940	686248.3	0.8859	mg/L	0.00139	0.8859	mg/L	0.00139	0.16%
Ca 227.546	17215.4	65.744	mg/L	0.1420	65.744	mg/L	0.1420	0.22%

Sequence No.: 13
Sample ID: F1025-01BDUP,31760
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 8/21/2007 11:14:40 AM
Data Type: Reprocessed on 8/22/2007 8:46:27 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1025-01BDUP,31760

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-746.7	-0.0621	mg/L	0.00049	-0.0621	mg/L	0.00049	0.79%
Al 308.215	2386318.1	73.280	mg/L	0.5983	73.280	mg/L	0.5983	0.82%
As 188.979	66.2	0.0712	mg/L	0.00221	0.0712	mg/L	0.00221	3.11%
Ba 233.527	70467.3	0.7066	mg/L	0.00514	0.7066	mg/L	0.00514	0.73%
Be 313.107	7538.4	0.0050	mg/L	0.00007	0.0050	mg/L	0.00007	1.34%
Co 228.616	2501.8	0.1048	mg/L	0.00057	0.1048	mg/L	0.00057	0.54%
Cr 267.716	5594.9	0.1345	mg/L	0.00063	0.1345	mg/L	0.00063	0.47%
Cu 324.752	62704.7	0.2217	mg/L	0.00174	0.2217	mg/L	0.00174	0.78%
Fe 273.955	9343326.9	250.53	mg/L	1.176	250.53	mg/L	1.176	0.47%
Mg 279.077	2052685.0	74.253	mg/L	0.7491	74.253	mg/L	0.7491	1.01%
Mn 257.610	2844258.8	4.7068	mg/L	0.00831	4.7068	mg/L	0.00831	0.18%
Ni 231.604	4239.5	0.2344	mg/L	0.00191	0.2344	mg/L	0.00191	0.81%
Pb 220.353	458.5	0.1006	mg/L	0.00136	0.1006	mg/L	0.00136	1.36%
Sb 206.836	-15.6	-0.0102	mg/L	0.00012	-0.0102	mg/L	0.00012	1.19%
Se 196.026	-22.0	0.0522	mg/L	0.00570	0.0522	mg/L	0.00570	10.92%
Tl 190.801	-13.3	0.0577	mg/L	0.00352	0.0577	mg/L	0.00352	6.10%
V 292.402	16865.8	0.2003	mg/L	0.00009	0.2003	mg/L	0.00009	0.05%
Zn 206.200	16892.3	0.6665	mg/L	0.00488	0.6665	mg/L	0.00488	0.73%
Na 330.237	2037.0	1.6710	mg/L	0.07033	1.6710	mg/L	0.07033	4.21%
Cd 226.502	914.3	0.0041	mg/L	0.00008	0.0041	mg/L	0.00008	2.04%
Ti 334.940	747683.0	0.9651	mg/L	0.00606	0.9651	mg/L	0.00606	0.63%
Ca 227.546	17362.9	67.162	mg/L	0.1752	67.162	mg/L	0.1752	0.26%

Sequence No.: 14
Sample ID: F1025-01BMS,31760
Analyst:

Autosampler Location: 18
Date Collected: 8/21/2007 11:17:53 AM
Data Type: Reprocessed on 8/22/2007 8:46:27 AM

Logged In Analyst (Original) : optima3
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: F1025-01BMS,31760

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	9843.0	0.0185	mg/L	0.00045	0.0185	mg/L	0.00045	2.43%
Al 308.215	2600832.5	79.859	mg/L	0.5494	79.859	mg/L	0.5494	0.69%
As 188.979	142.4	0.1554	mg/L	0.00753	0.1554	mg/L	0.00753	4.84%
Ba 233.527	480105.2	4.8240	mg/L	0.03676	4.8240	mg/L	0.03676	0.76%
Be 313.107	225365.7	0.0993	mg/L	0.00076	0.0993	mg/L	0.00076	0.77%
Co 228.616	25814.5	1.0874	mg/L	0.01231	1.0874	mg/L	0.01231	1.13%
Cr 267.716	21336.7	0.5191	mg/L	0.00600	0.5191	mg/L	0.00600	1.16%
Cu 324.752	226192.3	0.7996	mg/L	0.00488	0.7996	mg/L	0.00488	0.61%
Fe 273.955	11005212.9	294.96	mg/L	0.616	294.96	mg/L	0.616	0.21%
Mg 279.077	1929194.6	69.779	mg/L	0.6269	69.779	mg/L	0.6269	0.90%
Mn 257.610	3655278.0	6.0489	mg/L	0.00438	6.0489	mg/L	0.00438	0.07%
Ni 231.604	22861.3	1.2440	mg/L	0.01563	1.2440	mg/L	0.01563	1.26%
Pb 220.353	844.8	0.1809	mg/L	0.00104	0.1809	mg/L	0.00104	0.58%
Sb 206.836	47.5	0.0525	mg/L	0.00208	0.0525	mg/L	0.00208	3.96%
Se 196.026	19.8	0.1299	mg/L	0.00076	0.1299	mg/L	0.00076	0.59%
Tl 190.801	94.3	0.1647	mg/L	0.00264	0.1647	mg/L	0.00264	1.60%
V 292.402	100878.9	1.1762	mg/L	0.01162	1.1762	mg/L	0.01162	0.99%
Zn 206.200	48236.6	1.9046	mg/L	0.02017	1.9046	mg/L	0.02017	1.06%
Na 330.237	3608.8	2.7334	mg/L	0.04005	2.7334	mg/L	0.04005	1.47%
Cd 226.502	5907.0	0.0993	mg/L	0.00030	0.0993	mg/L	0.00030	0.30%
Ti 334.940	610466.7	0.7879	mg/L	0.00576	0.7879	mg/L	0.00576	0.73%
Ca 227.546	13230.3	48.895	mg/L	0.0999	48.895	mg/L	0.0999	0.20%

Sequence No.: 15
Sample ID: F1025-01BSD,31760
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 8/21/2007 11:21:12 AM
Data Type: Reprocessed on 8/22/2007 8:46:28 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1025-01BSD,31760

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-228.7	-0.0169	mg/L	0.00033	-0.0169	mg/L	0.00033	1.98%
Al 308.215	482856.0	14.828	mg/L	0.1513	14.828	mg/L	0.1513	1.02%
As 188.979	15.3	0.0162	mg/L	0.00095	0.0162	mg/L	0.00095	5.89%
Ba 233.527	18442.8	0.1849	mg/L	0.00140	0.1849	mg/L	0.00140	0.75%
Be 313.107	1533.8	0.0010	mg/L	0.00001	0.0010	mg/L	0.00001	1.39%
Co 228.616	636.7	0.0267	mg/L	0.00013	0.0267	mg/L	0.00013	0.49%
Cr 267.716	1056.0	0.0253	mg/L	0.00012	0.0253	mg/L	0.00012	0.46%
Cu 324.752	16608.8	0.0586	mg/L	0.00038	0.0586	mg/L	0.00038	0.65%
Fe 273.955	2452676.1	65.733	mg/L	0.8276	65.733	mg/L	0.8276	1.26%
Mg 279.077	406632.2	14.705	mg/L	0.2000	14.705	mg/L	0.2000	1.36%
Mn 257.610	717896.1	1.1880	mg/L	0.01538	1.1880	mg/L	0.01538	1.29%
Ni 231.604	1021.8	0.0564	mg/L	0.00022	0.0564	mg/L	0.00022	0.40%
Pb 220.353	113.1	0.0245	mg/L	0.00171	0.0245	mg/L	0.00171	6.98%
Sb 206.836	-6.1	-0.0046	mg/L	0.00011	-0.0046	mg/L	0.00011	2.48%
Se 196.026	-5.8	0.0139	mg/L	0.00447	0.0139	mg/L	0.00447	32.19%
Tl 190.801	-5.2	0.0139	mg/L	0.00155	0.0139	mg/L	0.00155	11.18%
V 292.402	4023.7	0.0479	mg/L	0.00096	0.0479	mg/L	0.00096	2.01%
Zn 206.200	4353.1	0.1717	mg/L	0.00001	0.1717	mg/L	0.00001	0.00%
Na 330.237	530.9	0.4290	mg/L	0.00864	0.4290	mg/L	0.00864	2.01%
Cd 226.502	232.6	0.0009	mg/L	0.00009	0.0009	mg/L	0.00009	9.26%
Ti 334.940	143153.1	0.1848	mg/L	0.00110	0.1848	mg/L	0.00110	0.60%
Ca 227.546	3624.3	13.733	mg/L	0.1370	13.733	mg/L	0.1370	1.00%

Sequence No.: 16
Sample ID: F1025-01BPDS,31760
Analyst:
Logged In Analyst (Original) : optima3

Autosampler Location: 20
Date Collected: 8/21/2007 11:24:26 AM
Data Type: Reprocessed on 8/22/2007 8:46:28 AM

Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1025-01BPDS,31760

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	1379.8	-0.0495	mg/L	0.00001	-0.0495	mg/L	0.00001	0.03%
Al 308.215	2209585.8	67.852	mg/L	0.3337	67.852	mg/L	0.3337	0.49%
As 188.979	95.2	0.1009	mg/L	0.00365	0.1009	mg/L	0.00365	3.61%
Ba 233.527	124759.7	1.2521	mg/L	0.00565	1.2521	mg/L	0.00565	0.45%
Be 313.107	28932.3	0.0142	mg/L	0.00011	0.0142	mg/L	0.00011	0.80%
Co 228.616	5033.6	0.2120	mg/L	0.00183	0.2120	mg/L	0.00183	0.87%
Cr 267.716	5526.5	0.1328	mg/L	0.00018	0.1328	mg/L	0.00018	0.14%
Cu 324.752	94121.9	0.3328	mg/L	0.00169	0.3328	mg/L	0.00169	0.51%
Fe 273.955	10569989.5	283.35	mg/L	0.587	283.35	mg/L	0.587	0.21%
Mg 279.077	2051429.9	74.200	mg/L	0.5372	74.200	mg/L	0.5372	0.72%
Mn 257.610	3224363.9	5.3358	mg/L	0.00197	5.3358	mg/L	0.00197	0.04%
Ni 231.604	5880.5	0.3236	mg/L	0.00207	0.3236	mg/L	0.00207	0.64%
Pb 220.353	607.7	0.1311	mg/L	0.00089	0.1311	mg/L	0.00089	0.68%
Sb 206.836	75.8	0.0979	mg/L	0.00296	0.0979	mg/L	0.00296	3.02%
Se 196.026	24.0	0.1296	mg/L	0.00816	0.1296	mg/L	0.00816	6.30%
Tl 190.801	37.2	0.1121	mg/L	0.00082	0.1121	mg/L	0.00082	0.73%
V 292.402	26797.6	0.3161	mg/L	0.00154	0.3161	mg/L	0.00154	0.49%
Zn 206.200	21435.2	0.8458	mg/L	0.00457	0.8458	mg/L	0.00457	0.54%
Na 330.237	15166.5	10.225	mg/L	0.0313	10.225	mg/L	0.0313	0.31%
Cd 226.502	1525.2	0.0143	mg/L	0.00029	0.0143	mg/L	0.00029	2.02%
Ti 334.940	678494.3	0.8760	mg/L	0.00428	0.8760	mg/L	0.00428	0.49%
Ca 227.546	19083.5	73.643	mg/L	0.3644	73.643	mg/L	0.3644	0.49%

Sequence No.: 17
Sample ID: CCV
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 8/21/2007 11:27:40 AM
Data Type: Reprocessed on 8/22/2007 8:46:29 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	123329.0	1.1885	mg/L	0.01331	1.1885	mg/L	0.01331	1.12%
Al 308.215	318561.7	9.7637	mg/L	0.05226	9.7637	mg/L	0.05226	0.54%
As 188.979	472.4	0.5055	mg/L	0.00178	0.5055	mg/L	0.00178	0.35%
Ba 233.527	1025397.1	10.307	mg/L	0.0234	10.307	mg/L	0.0234	0.23%
Be 313.107	563287.5	0.2446	mg/L	0.00085	0.2446	mg/L	0.00085	0.35%
Co 228.616	57929.6	2.4447	mg/L	0.01449	2.4447	mg/L	0.01449	0.59%
Cr 267.716	39755.8	0.9710	mg/L	0.01360	0.9710	mg/L	0.01360	1.40%
Cu 324.752	346657.2	1.2282	mg/L	0.00595	1.2282	mg/L	0.00595	0.48%
Fe 273.955	187560.3	5.1408	mg/L	0.01974	5.1408	mg/L	0.01974	0.38%
Mg 279.077	689370.6	24.986	mg/L	0.0895	24.986	mg/L	0.0895	0.36%
Mn 257.610	1509104.6	2.4974	mg/L	0.00445	2.4974	mg/L	0.00445	0.18%
Ni 231.604	44897.6	2.4360	mg/L	0.03329	2.4360	mg/L	0.03329	1.37%
Pb 220.353	2351.8	0.4893	mg/L	0.00040	0.4893	mg/L	0.00040	0.08%
Sb 206.836	455.1	0.4985	mg/L	0.00084	0.4985	mg/L	0.00084	0.17%
Se 196.026	334.5	0.4828	mg/L	0.00908	0.4828	mg/L	0.00908	1.88%
Tl 190.801	560.7	0.4931	mg/L	0.00082	0.4931	mg/L	0.00082	0.17%
V 292.402	209678.4	2.4337	mg/L	0.02710	2.4337	mg/L	0.02710	1.11%
Zn 206.200	62164.6	2.4568	mg/L	0.02232	2.4568	mg/L	0.02232	0.91%
Na 330.237	35961.5	23.362	mg/L	0.0247	23.362	mg/L	0.0247	0.11%
Cd 226.502	12532.1	0.2446	mg/L	0.00268	0.2446	mg/L	0.00268	1.09%
Ti 334.940	316.0	0.0006	mg/L	0.00008	0.0006	mg/L	0.00008	14.00%
Ca 227.546	5981.7	24.711	mg/L	0.0344	24.711	mg/L	0.0344	0.14%

Sequence No.: 18
Sample ID: CCB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:

Autosampler Location: 4
Date Collected: 8/21/2007 11:30:51 AM
Data Type: Reprocessed on 8/22/2007 8:46:29 AM

Initial Sample Vol:

Dilution: Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-6.1	-0.0001	mg/L	0.00027	-0.0001	mg/L	0.00027	376.44%
Al 308.215	-13.6	-0.0004	mg/L	0.00336	-0.0004	mg/L	0.00336	800.07%
As 188.979	-1.4	-0.0014	mg/L	0.00163	-0.0014	mg/L	0.00163	114.09%
Ba 233.527	86.7	0.0009	mg/L	0.00021	0.0009	mg/L	0.00021	24.08%
Be 313.107	66.4	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	45.29%
Co 228.616	9.6	0.0004	mg/L	0.00001	0.0004	mg/L	0.00001	1.52%
Cr 267.716	4.4	0.0001	mg/L	0.00012	0.0001	mg/L	0.00012	109.27%
Cu 324.752	22.6	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	34.23%
Fe 273.955	356.5	0.0093	mg/L	0.00145	0.0093	mg/L	0.00145	15.58%
Mg 279.077	175.9	0.0064	mg/L	0.00335	0.0064	mg/L	0.00335	52.65%
Mn 257.610	156.6	0.0003	mg/L	0.00002	0.0003	mg/L	0.00002	9.63%
Ni 231.604	1.9	0.0001	mg/L	0.00028	0.0001	mg/L	0.00028	281.05%
Pb 220.353	3.1	0.0006	mg/L	0.00092	0.0006	mg/L	0.00092	143.34%
Sb 206.836	1.5	0.0018	mg/L	0.00051	0.0018	mg/L	0.00051	28.63%
Se 196.026	0.0	0.0000	mg/L	0.00799	0.0000	mg/L	0.00799	>999.9%
Tl 190.801	0.8	0.0007	mg/L	0.00206	0.0007	mg/L	0.00206	282.53%
V 292.402	33.1	0.0004	mg/L	0.00014	0.0004	mg/L	0.00014	35.97%
Zn 206.200	31.4	0.0012	mg/L	0.00022	0.0012	mg/L	0.00022	17.49%
Na 330.237	61.9	0.0404	mg/L	0.09786	0.0404	mg/L	0.09786	242.06%
Cd 226.502	1.1	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	161.38%
Ti 334.940	-78.1	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	44.43%
Ca 227.546	-13.6	-0.0572	mg/L	0.02978	-0.0572	mg/L	0.02978	52.09%

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Sequence No.: 19
Sample ID: MB-31667,31667
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 8/21/2007 11:33:57 AM
Data Type: Reprocessed on 8/22/2007 8:46:30 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-31667,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-31.0	-0.0003	mg/L	0.00047	-0.0003	mg/L	0.00047	152.46%
Al 308.215	122.7	0.0038	mg/L	0.00131	0.0038	mg/L	0.00131	34.79%
As 188.979	-3.0	-0.0032	mg/L	0.00078	-0.0032	mg/L	0.00078	24.89%
Ba 233.527	25.3	0.0003	mg/L	0.00003	0.0003	mg/L	0.00003	11.33%
Be 313.107	-41.8	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	24.01%
Co 228.616	10.3	0.0004	mg/L	0.00008	0.0004	mg/L	0.00008	18.37%
Cr 267.716	16.1	0.0004	mg/L	0.00028	0.0004	mg/L	0.00028	70.04%
Cu 324.752	5737.0	0.0203	mg/L	0.00005	0.0203	mg/L	0.00005	0.25%
Fe 273.955	653.8	0.0176	mg/L	0.00011	0.0176	mg/L	0.00011	0.64%
Mg 279.077	98.9	0.0036	mg/L	0.00283	0.0036	mg/L	0.00283	79.00%
Mn 257.610	301.9	0.0005	mg/L	0.00005	0.0005	mg/L	0.00005	9.21%
Ni 231.604	271.8	0.0147	mg/L	0.00009	0.0147	mg/L	0.00009	0.64%
Pb 220.353	6.3	0.0013	mg/L	0.00088	0.0013	mg/L	0.00088	67.24%
Sb 206.836	0.1	0.0001	mg/L	0.00011	0.0001	mg/L	0.00011	75.95%
Se 196.026	1.4	0.0021	mg/L	0.00321	0.0021	mg/L	0.00321	154.57%
Tl 190.801	-3.2	-0.0028	mg/L	0.00051	-0.0028	mg/L	0.00051	18.33%
V 292.402	18.0	0.0002	mg/L	0.00014	0.0002	mg/L	0.00014	66.11%
Zn 206.200	723.2	0.0285	mg/L	0.00011	0.0285	mg/L	0.00011	0.37%
Na 330.237	40.1	0.0261	mg/L	0.11655	0.0261	mg/L	0.11655	446.74%
Cd 226.502	3.6	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	40.29%
Ti 334.940	55.5	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	57.42%
Ca 227.546	5.9	0.0235	mg/L	0.02288	0.0235	mg/L	0.02288	97.34%

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Sequence No.: 20
Sample ID: LCS-31667,31667
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 22
Date Collected: 8/21/2007 11:37:05 AM
Data Type: Reprocessed on 8/22/2007 8:46:30 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-31667,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	134796.1	1.3014	mg/L	0.01627	1.3014	mg/L	0.01627	1.25%
Al 308.215	320934.5	9.8364	mg/L	0.02065	9.8364	mg/L	0.02065	0.21%
As 188.979	473.8	0.5071	mg/L	0.00135	0.5071	mg/L	0.00135	0.27%
Ba 233.527	1021953.8	10.273	mg/L	0.0298	10.273	mg/L	0.0298	0.29%
Be 313.107	578769.1	0.2513	mg/L	0.00058	0.2513	mg/L	0.00058	0.23%
Co 228.616	58832.9	2.4828	mg/L	0.03783	2.4828	mg/L	0.03783	1.52%
Cr 267.716	40169.3	0.9811	mg/L	0.01361	0.9811	mg/L	0.01361	1.39%
Cu 324.752	353877.4	1.2537	mg/L	0.00549	1.2537	mg/L	0.00549	0.44%
Fe 273.955	188373.8	5.1627	mg/L	0.01753	5.1627	mg/L	0.01753	0.34%
Mg 279.077	696573.5	25.247	mg/L	0.0797	25.247	mg/L	0.0797	0.32%
Mn 257.610	1517187.4	2.5108	mg/L	0.00537	2.5108	mg/L	0.00537	0.21%
Ni 231.604	45753.7	2.4825	mg/L	0.04612	2.4825	mg/L	0.04612	1.86%
Pb 220.353	2355.5	0.4900	mg/L	0.00213	0.4900	mg/L	0.00213	0.43%
Sb 206.836	442.1	0.4831	mg/L	0.00260	0.4831	mg/L	0.00260	0.54%
Se 196.026	339.0	0.4893	mg/L	0.00083	0.4893	mg/L	0.00083	0.17%
Tl 190.801	562.9	0.4951	mg/L	0.00871	0.4951	mg/L	0.00871	1.76%
V 292.402	211702.5	2.4571	mg/L	0.02855	2.4571	mg/L	0.02855	1.16%
Zn 206.200	62913.6	2.4864	mg/L	0.02371	2.4864	mg/L	0.02371	0.95%
Na 330.237	35681.2	23.179	mg/L	0.1386	23.179	mg/L	0.1386	0.60%
Cd 226.502	12940.4	0.2525	mg/L	0.00166	0.2525	mg/L	0.00166	0.66%
Ti 334.940	-121.3	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	154.62%
Ca 227.546	5986.5	24.727	mg/L	0.0315	24.727	mg/L	0.0315	0.13%

Sequence No.: 21
Sample ID: F1025-02B,31667
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 8/21/2007 11:40:17 AM
Data Type: Reprocessed on 8/22/2007 8:46:31 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1025-02B,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-13.9	-0.0002	mg/L	0.00023	-0.0002	mg/L	0.00023	110.31%
Al 308.215	473.3	0.0145	mg/L	0.00249	0.0145	mg/L	0.00249	17.12%
As 188.979	-0.3	-0.0002	mg/L	0.00176	-0.0002	mg/L	0.00176	774.71%
Ba 233.527	131.4	0.0013	mg/L	0.00024	0.0013	mg/L	0.00024	18.54%
Be 313.107	-2.9	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	>999.9%
Co 228.616	6.2	0.0003	mg/L	0.00034	0.0003	mg/L	0.00034	127.02%
Cr 267.716	167.0	0.0041	mg/L	0.00039	0.0041	mg/L	0.00039	9.59%
Cu 324.752	73.4	0.0003	mg/L	0.00010	0.0003	mg/L	0.00010	39.29%
Fe 273.955	12888.3	0.3456	mg/L	0.00914	0.3456	mg/L	0.00914	2.64%
Mg 279.077	458.9	0.0165	mg/L	0.00279	0.0165	mg/L	0.00279	16.88%
Mn 257.610	3923.3	0.0065	mg/L	0.00009	0.0065	mg/L	0.00009	1.32%
Ni 231.604	20.7	0.0011	mg/L	0.00001	0.0011	mg/L	0.00001	0.84%
Pb 220.353	8.0	0.0017	mg/L	0.00061	0.0017	mg/L	0.00061	36.69%
Sb 206.836	1.3	0.0014	mg/L	0.00398	0.0014	mg/L	0.00398	282.62%
Se 196.026	0.6	0.0010	mg/L	0.00008	0.0010	mg/L	0.00008	7.59%
Tl 190.801	0.4	0.0005	mg/L	0.00064	0.0005	mg/L	0.00064	136.53%
V 292.402	40.8	0.0005	mg/L	0.00021	0.0005	mg/L	0.00021	42.77%
Zn 206.200	450.0	0.0178	mg/L	0.00008	0.0178	mg/L	0.00008	0.42%
Na 330.237	105.7	0.0688	mg/L	0.19020	0.0688	mg/L	0.19020	276.42%
Cd 226.502	7.2	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	12.04%
Ti 334.940	31.0	0.0000	mg/L	0.00006	0.0000	mg/L	0.00006	143.83%
Ca 227.546	48.0	0.1932	mg/L	0.01564	0.1932	mg/L	0.01564	8.09%

Sequence No.: 22
Sample ID: F1025-02BSD,31667
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 8/21/2007 11:43:23 AM
Data Type: Reprocessed on 8/22/2007 8:46:31 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1025-02BSD,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-59.8	-0.0006	mg/L	0.00003	-0.0006	mg/L	0.00003	5.54%
Al 308.215	29.2	0.0009	mg/L	0.00030	0.0009	mg/L	0.00030	34.12%
As 188.979	-2.9	-0.0030	mg/L	0.00280	-0.0030	mg/L	0.00280	94.38%
Ba 233.527	31.3	0.0003	mg/L	0.00007	0.0003	mg/L	0.00007	21.05%
Be 313.107	7.1	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	136.33%
Co 228.616	6.4	0.0003	mg/L	0.00005	0.0003	mg/L	0.00005	17.33%
Cr 267.716	40.4	0.0010	mg/L	0.00079	0.0010	mg/L	0.00079	79.77%
Cu 324.752	76.7	0.0003	mg/L	0.00019	0.0003	mg/L	0.00019	70.80%
Fe 273.955	3086.7	0.0827	mg/L	0.00256	0.0827	mg/L	0.00256	3.10%
Mg 279.077	86.4	0.0031	mg/L	0.00248	0.0031	mg/L	0.00248	79.85%
Mn 257.610	822.5	0.0014	mg/L	0.00000	0.0014	mg/L	0.00000	0.32%
Ni 231.604	8.1	0.0004	mg/L	0.00012	0.0004	mg/L	0.00012	27.77%
Pb 220.353	3.3	0.0007	mg/L	0.00108	0.0007	mg/L	0.00108	156.10%
Sb 206.836	-1.4	-0.0017	mg/L	0.00204	-0.0017	mg/L	0.00204	121.81%
Se 196.026	3.2	0.0047	mg/L	0.00032	0.0047	mg/L	0.00032	6.86%
Tl 190.801	0.7	0.0006	mg/L	0.00184	0.0006	mg/L	0.00184	293.05%
V 292.402	31.9	0.0004	mg/L	0.00022	0.0004	mg/L	0.00022	59.26%
Zn 206.200	147.1	0.0058	mg/L	0.00002	0.0058	mg/L	0.00002	0.38%
Na 330.237	50.8	0.0331	mg/L	0.03059	0.0331	mg/L	0.03059	92.50%
Cd 226.502	0.1	0.0000	mg/L	0.00008	0.0000	mg/L	0.00008	>999.9%
Ti 334.940	-23.6	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	147.09%
Ca 227.546	7.6	0.0300	mg/L	0.03908	0.0300	mg/L	0.03908	130.37%

Sequence No.: 23
Sample ID: CRI
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 8/21/2007 11:46:30 AM
Data Type: Reprocessed on 8/22/2007 8:46:32 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	1076.0	0.0103	mg/L	0.00049	0.0103	mg/L	0.00049	4.70%
Al 308.215	6801.5	0.2085	mg/L	0.00153	0.2085	mg/L	0.00153	0.73%
As 188.979	10.9	0.0115	mg/L	0.00035	0.0115	mg/L	0.00035	3.08%
Ba 233.527	22399.8	0.2252	mg/L	0.00055	0.2252	mg/L	0.00055	0.25%
Be 313.107	11832.6	0.0051	mg/L	0.00000	0.0051	mg/L	0.00000	0.07%
Co 228.616	1241.0	0.0526	mg/L	0.00029	0.0526	mg/L	0.00029	0.55%
Cr 267.716	444.8	0.0109	mg/L	0.00011	0.0109	mg/L	0.00011	1.01%
Cu 324.752	7269.2	0.0259	mg/L	0.00004	0.0259	mg/L	0.00004	0.16%
Fe 273.955	3923.6	0.1203	mg/L	0.00146	0.1203	mg/L	0.00146	1.21%
Mg 279.077	148598.2	5.3797	mg/L	0.00324	5.3797	mg/L	0.00324	0.06%
Mn 257.610	9899.0	0.0164	mg/L	0.00001	0.0164	mg/L	0.00001	0.09%
Ni 231.604	766.5	0.0418	mg/L	0.00009	0.0418	mg/L	0.00009	0.22%
Pb 220.353	52.0	0.0109	mg/L	0.00130	0.0109	mg/L	0.00130	11.91%
Sb 206.836	51.5	0.0595	mg/L	0.00139	0.0595	mg/L	0.00139	2.34%
Se 196.026	24.7	0.0353	mg/L	0.00294	0.0353	mg/L	0.00294	8.33%
Tl 190.801	28.3	0.0248	mg/L	0.00028	0.0248	mg/L	0.00028	1.14%
V 292.402	4518.2	0.0524	mg/L	0.00063	0.0524	mg/L	0.00063	1.20%
Zn 206.200	1650.3	0.0652	mg/L	0.00003	0.0652	mg/L	0.00003	0.04%
Na 330.237	6148.0	3.9944	mg/L	0.02252	3.9944	mg/L	0.02252	0.56%
Cd 226.502	271.4	0.0053	mg/L	0.00004	0.0053	mg/L	0.00004	0.85%
Ti 334.940	-142.9	-0.0001	mg/L	0.00000	-0.0001	mg/L	0.00000	3.85%
Ca 227.546	1183.0	4.9340	mg/L	0.06294	4.9340	mg/L	0.06294	1.28%

Sequence No.: 24
Sample ID: ICSA
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 8/21/2007 11:49:34 AM
Data Type: Reprocessed on 8/22/2007 8:46:32 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-570.1	-0.0064	mg/L	0.00075	-0.0064	mg/L	0.00075	11.69%
Al 308.215	15082727.6	463.18	mg/L	2.177	463.18	mg/L	2.177	0.47%
As 188.979	-15.7	0.0001	mg/L	0.00164	0.0001	mg/L	0.00164	>999.9%
Ba 233.527	278.1	0.0016	mg/L	0.00001	0.0016	mg/L	0.00001	0.48%
Be 313.107	60.0	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	47.26%
Co 228.616	92.1	0.0279	mg/L	0.00003	0.0279	mg/L	0.00003	0.12%
Cr 267.716	-163.7	-0.0093	mg/L	0.00010	-0.0093	mg/L	0.00010	1.06%
Cu 324.752	-5497.9	-0.0061	mg/L	0.00023	-0.0061	mg/L	0.00023	3.68%
Fe 273.955	6356507.0	173.90	mg/L	1.124	173.90	mg/L	1.124	0.65%
Mg 279.077	12542215.8	453.98	mg/L	3.029	453.98	mg/L	3.029	0.67%
Mn 257.610	2522.5	0.0042	mg/L	0.00014	0.0042	mg/L	0.00014	3.27%
Saturated outside survey window (code 6)								
Ni 231.604	33.8	0.0367	mg/L	0.00024	0.0367	mg/L	0.00024	0.65%
Pb 220.353	-191.7	0.0007	mg/L	0.00059	0.0007	mg/L	0.00059	88.44%
Sb 206.836	-9.8	-0.0124	mg/L	0.00147	-0.0124	mg/L	0.00147	11.86%
Se 196.026	-15.5	0.0093	mg/L	0.00451	0.0093	mg/L	0.00451	48.37%
Tl 190.801	-14.8	0.0060	mg/L	0.00528	0.0060	mg/L	0.00528	88.57%
V 292.402	-742.5	-0.0057	mg/L	0.00007	-0.0057	mg/L	0.00007	1.24%
Zn 206.200	318.7	0.0073	mg/L	0.00027	0.0073	mg/L	0.00027	3.74%
Na 330.237	965.2	-0.1990	mg/L	0.00236	-0.1990	mg/L	0.00236	1.18%
Cd 226.502	546.7	0.0013	mg/L	0.00008	0.0013	mg/L	0.00008	6.40%
Ti 334.940	-5454.5	-0.0010	mg/L	0.00012	-0.0010	mg/L	0.00012	11.71%
Ca 227.546	120165.0	498.08	mg/L	1.382	498.08	mg/L	1.382	0.28%

Sequence No.: 25
Sample ID: ICSAB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 8/21/2007 11:52:49 AM
Data Type: Reprocessed on 8/22/2007 8:46:33 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	20174.2	0.1927	mg/L	0.00055	0.1927	mg/L	0.00055	0.29%
Al 308.215	14440591.4	443.45	mg/L	2.794	443.45	mg/L	2.794	0.63%
As 188.979	80.2	0.1055	mg/L	0.00491	0.1055	mg/L	0.00491	4.66%
Ba 233.527	47391.6	0.4756	mg/L	0.00048	0.4756	mg/L	0.00048	0.10%
Be 313.107	1013907.5	0.4401	mg/L	0.00325	0.4401	mg/L	0.00325	0.74%
Co 228.616	9650.1	0.4300	mg/L	0.00034	0.4300	mg/L	0.00034	0.08%
Cr 267.716	17591.3	0.4247	mg/L	0.00268	0.4247	mg/L	0.00268	0.63%
Cu 324.752	129048.4	0.4697	mg/L	0.00009	0.4697	mg/L	0.00009	0.02%
Fe 273.955	6115080.1	167.28	mg/L	1.024	167.28	mg/L	1.024	0.61%
Mg 279.077	12030603.1	435.46	mg/L	2.725	435.46	mg/L	2.725	0.63%
Mn 257.610	273099.5	0.4520	mg/L	0.00021	0.4520	mg/L	0.00021	0.05%
Ni 231.604	14684.9	0.8298	mg/L	0.00380	0.8298	mg/L	0.00380	0.46%
Pb 220.353	9.8	0.0408	mg/L	0.00182	0.0408	mg/L	0.00182	4.47%
Sb 206.836	460.9	0.5189	mg/L	0.00614	0.5189	mg/L	0.00614	1.18%
Se 196.026	17.5	0.0560	mg/L	0.00171	0.0560	mg/L	0.00171	3.05%
Tl 190.801	82.7	0.0909	mg/L	0.00260	0.0909	mg/L	0.00260	2.86%
V 292.402	37881.1	0.4429	mg/L	0.00410	0.4429	mg/L	0.00410	0.93%
Zn 206.200	21048.6	0.8273	mg/L	0.00095	0.8273	mg/L	0.00095	0.11%
Na 330.237	2153.0	0.6068	mg/L	0.11812	0.6068	mg/L	0.11812	19.47%
Cd 226.502	43950.9	0.8461	mg/L	0.00603	0.8461	mg/L	0.00603	0.71%
Ti 334.940	-5287.8	-0.0011	mg/L	0.00007	-0.0011	mg/L	0.00007	5.82%
Ca 227.546	114923.8	476.29	mg/L	0.216	476.29	mg/L	0.216	0.05%

Sequence No.: 26
Sample ID: CCV
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 8/21/2007 11:56:02 AM
Data Type: Reprocessed on 8/22/2007 8:46:33 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	123244.8	1.1877	mg/L	0.02067	1.1877	mg/L	0.02067	1.74%
Al 308.215	317965.3	9.7455	mg/L	0.11098	9.7455	mg/L	0.11098	1.14%
As 188.979	470.9	0.5040	mg/L	0.00652	0.5040	mg/L	0.00652	1.29%
Ba 233.527	1022984.7	10.283	mg/L	0.0517	10.283	mg/L	0.0517	0.50%
Be 313.107	564202.5	0.2450	mg/L	0.00003	0.2450	mg/L	0.00003	0.01%
Co 228.616	57827.3	2.4403	mg/L	0.03468	2.4403	mg/L	0.03468	1.42%
Cr 267.716	39788.8	0.9718	mg/L	0.01796	0.9718	mg/L	0.01796	1.85%
Cu 324.752	346066.8	1.2261	mg/L	0.00417	1.2261	mg/L	0.00417	0.34%
Fe 273.955	187067.2	5.1269	mg/L	0.06657	5.1269	mg/L	0.06657	1.30%
Mg 279.077	687735.2	24.927	mg/L	0.1619	24.927	mg/L	0.1619	0.65%
Mn 257.610	1507383.1	2.4945	mg/L	0.01219	2.4945	mg/L	0.01219	0.49%
Ni 231.604	44847.7	2.4333	mg/L	0.03159	2.4333	mg/L	0.03159	1.30%
Pb 220.353	2333.9	0.4855	mg/L	0.00060	0.4855	mg/L	0.00060	0.12%
Sb 206.836	455.0	0.4982	mg/L	0.00217	0.4982	mg/L	0.00217	0.44%
Se 196.026	333.0	0.4806	mg/L	0.00407	0.4806	mg/L	0.00407	0.85%
Tl 190.801	563.4	0.4954	mg/L	0.00070	0.4954	mg/L	0.00070	0.14%
V 292.402	209156.4	2.4276	mg/L	0.03821	2.4276	mg/L	0.03821	1.57%
Zn 206.200	62294.5	2.4619	mg/L	0.02634	2.4619	mg/L	0.02634	1.07%
Na 330.237	35995.0	23.384	mg/L	0.3077	23.384	mg/L	0.3077	1.32%
Cd 226.502	12596.3	0.2458	mg/L	0.00214	0.2458	mg/L	0.00214	0.87%
Ti 334.940	224.5	0.0005	mg/L	0.00006	0.0005	mg/L	0.00006	11.68%
Ca 227.546	5941.3	24.542	mg/L	0.0078	24.542	mg/L	0.0078	0.03%

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Sequence No.: 27
Sample ID: CCB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 8/21/2007 11:59:14 AM
Data Type: Reprocessed on 8/22/2007 8:46:34 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-29.1	-0.0003	mg/L	0.00001	-0.0003	mg/L	0.00001	3.77%
Al 308.215	-17.1	-0.0005	mg/L	0.00145	-0.0005	mg/L	0.00145	277.25%
As 188.979	0.9	0.0009	mg/L	0.00151	0.0009	mg/L	0.00151	169.80%
Ba 233.527	51.4	0.0005	mg/L	0.00014	0.0005	mg/L	0.00014	26.88%
Be 313.107	42.2	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	171.00%
Co 228.616	8.3	0.0004	mg/L	0.00008	0.0004	mg/L	0.00008	21.64%
Cr 267.716	-1.9	0.0000	mg/L	0.00050	0.0000	mg/L	0.00050	>999.9%
Cu 324.752	-10.3	0.0000	mg/L	0.00021	0.0000	mg/L	0.00021	578.64%
Fe 273.955	138.3	0.0036	mg/L	0.00003	0.0036	mg/L	0.00003	0.75%
Mg 279.077	178.7	0.0065	mg/L	0.00056	0.0065	mg/L	0.00056	8.59%
Mn 257.610	46.9	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	51.26%
Ni 231.604	2.7	0.0001	mg/L	0.00020	0.0001	mg/L	0.00020	141.45%
Pb 220.353	5.3	0.0011	mg/L	0.00051	0.0011	mg/L	0.00051	46.54%
Sb 206.836	-0.5	-0.0005	mg/L	0.00507	-0.0005	mg/L	0.00507	972.69%
Se 196.026	0.6	0.0009	mg/L	0.00165	0.0009	mg/L	0.00165	182.17%
Tl 190.801	1.7	0.0015	mg/L	0.00104	0.0015	mg/L	0.00104	71.93%
V 292.402	20.1	0.0002	mg/L	0.00041	0.0002	mg/L	0.00041	176.88%
Zn 206.200	30.4	0.0012	mg/L	0.00014	0.0012	mg/L	0.00014	11.64%
Na 330.237	67.8	0.0442	mg/L	0.04240	0.0442	mg/L	0.04240	96.01%
Cd 226.502	3.8	0.0001	mg/L	0.00006	0.0001	mg/L	0.00006	85.37%
Ti 334.940	-113.4	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	3.50%
Ca 227.546	-5.8	-0.0242	mg/L	0.04310	-0.0242	mg/L	0.04310	178.33%

B070823O1A JRW

Sequence No.: 1
Sample ID: S0
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 8/23/2007 8:53:29 AM
Data Type: Reprocessed on 8/24/2007 9:14:07 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	-119.2	56.11	47.09%	[0.00]	mg/L
Al 308.215	3588.9	70.35	1.96%	[0.00]	mg/L
As 188.979	1.6	1.83	114.84%	[0.00]	mg/L
Ba 233.527	-31.2	0.01	0.03%	[0.00]	mg/L
Be 313.107	-1388.3	29.67	2.14%	[0.00]	mg/L
Co 228.616	-2.3	1.77	75.84%	[0.00]	mg/L
Cr 267.716	-36.7	7.41	20.19%	[0.00]	mg/L
Cu 324.752	975.8	115.84	11.87%	[0.00]	mg/L
Fe 273.955	-148.9	25.49	17.12%	[0.00]	mg/L
Mg 279.077	-362.0	38.18	10.54%	[0.00]	mg/L
Mn 257.610	-61.4	1.73	2.81%	[0.00]	mg/L
Ni 231.604	6.4	0.07	1.14%	[0.00]	mg/L
Pb 220.353	72.3	3.23	4.46%	[0.00]	mg/L
Sb 206.836	-0.8	0.94	121.83%	[0.00]	mg/L
Se 196.026	-0.7	2.15	329.86%	[0.00]	mg/L
Tl 190.801	-1.8	2.46	140.41%	[0.00]	mg/L
V 292.402	-51.4	14.96	29.08%	[0.00]	mg/L
Zn 206.200	-4.9	0.46	9.38%	[0.00]	mg/L
Na 330.237	867.1	118.44	13.66%	[0.00]	mg/L
Cd 226.502	-13.1	3.45	26.26%	[0.00]	mg/L
Ti 334.940	-5.6	25.38	451.35%	[0.00]	mg/L
Ca 227.546	77.9	8.02	10.30%	[0.00]	mg/L

Sequence No.: 2
Sample ID: S1
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 8/23/2007 8:56:32 AM
Data Type: Reprocessed on 8/24/2007 9:14:07 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ag 328.068	259220.9	3802.21	1.47%	[2.5]	mg/L
Al 308.215	642292.6	1044.80	0.16%	[20]	mg/L
As 188.979	758.0	2.44	0.32%	[1]	mg/L
Ba 233.527	1817048.2	325.68	0.02%	[20]	mg/L
Be 313.107	1115786.3	3111.01	0.28%	[0.5]	mg/L
Co 228.616	103880.7	1042.16	1.00%	[5]	mg/L
Cr 267.716	79970.8	240.13	0.30%	[2]	mg/L
Cu 324.752	723119.6	1051.45	0.15%	[2.5]	mg/L
Fe 273.955	353260.8	4473.06	1.27%	[10]	mg/L
Mg 279.077	1272280.8	1158.99	0.09%	[50]	mg/L
Mn 257.610	2874938.9	3214.03	0.11%	[5]	mg/L
Ni 231.604	81792.0	461.10	0.56%	[5]	mg/L
Pb 220.353	3916.6	14.75	0.38%	[1]	mg/L
Sb 206.836	704.9	0.55	0.08%	[1]	mg/L
Se 196.026	533.7	0.62	0.12%	[1]	mg/L
Tl 190.801	941.1	0.32	0.03%	[1]	mg/L
V 292.402	440267.4	1678.90	0.38%	[5]	mg/L
Zn 206.200	93988.6	948.71	1.01%	[5]	mg/L
Na 330.237	69875.7	826.30	1.18%	[50]	mg/L
Cd 226.502	21324.9	321.12	1.51%	[0.5]	mg/L
Ti 334.940	804593.4	217.29	0.03%	[1]	mg/L
Ca 227.546	11082.6	9.48	0.09%	[50]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin Thru 0	0.0	103700	0.00000	1.000000	
Al 308.215	1	Lin Thru 0	0.0	32110	0.00000	1.000000	
As 188.979	1	Lin Thru 0	0.0	758.0	0.00000	1.000000	
Ba 233.527	1	Lin Thru 0	0.0	90850	0.00000	1.000000	
Be 313.107	1	Lin Thru 0	0.0	2232000	0.00000	1.000000	
Co 228.616	1	Lin Thru 0	0.0	20780	0.00000	1.000000	
Cr 267.716	1	Lin Thru 0	0.0	39990	0.00000	1.000000	
Cu 324.752	1	Lin Thru 0	0.0	289200	0.00000	1.000000	
Fe 273.955	1	Lin Thru 0	0.0	35330	0.00000	1.000000	
Mg 279.077	1	Lin Thru 0	0.0	25450	0.00000	1.000000	
Mn 257.610	1	Lin Thru 0	0.0	575000	0.00000	1.000000	
Ni 231.604	1	Lin Thru 0	0.0	16360	0.00000	1.000000	
Pb 220.353	1	Lin Thru 0	0.0	3917	0.00000	1.000000	
Sb 206.836	1	Lin Thru 0	0.0	704.9	0.00000	1.000000	
Se 196.026	1	Lin Thru 0	0.0	533.7	0.00000	1.000000	
Tl 190.801	1	Lin Thru 0	0.0	941.1	0.00000	1.000000	
V 292.402	1	Lin Thru 0	0.0	88050	0.00000	1.000000	
Zn 206.200	1	Lin Thru 0	0.0	18800	0.00000	1.000000	
Na 330.237	1	Lin Thru 0	0.0	1398	0.00000	1.000000	
Cd 226.502	1	Lin Thru 0	0.0	42650	0.00000	1.000000	
Ti 334.940	1	Lin Thru 0	0.0	804600	0.00000	1.000000	
Ca 227.546	1	Lin Thru 0	0.0	221.7	0.00000	1.000000	

Sequence No.: 3
Sample ID: ICV
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 8/23/2007 8:59:47 AM
Data Type: Reprocessed on 8/24/2007 9:14:08 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	192413.5	1.8105	mg/L	0.00560	1.8105	mg/L	0.00560	0.31%
Al 308.215	466411.8	14.494	mg/L	0.0314	14.494	mg/L	0.0314	0.22%
As 188.979	559.1	0.7596	mg/L	0.00975	0.7596	mg/L	0.00975	1.28%
Ba 233.527	1364663.7	15.025	mg/L	0.0084	15.025	mg/L	0.0084	0.06%
Be 313.107	817900.2	0.3666	mg/L	0.00055	0.3666	mg/L	0.00055	0.15%
Co 228.616	77087.9	3.7115	mg/L	0.01913	3.7115	mg/L	0.01913	0.52%
Cr 267.716	59625.3	1.4901	mg/L	0.00148	1.4901	mg/L	0.00148	0.10%
Cu 324.752	526696.7	1.8221	mg/L	0.00377	1.8221	mg/L	0.00377	0.21%
Fe 273.955	261437.8	7.5835	mg/L	0.03961	7.5835	mg/L	0.03961	0.52%
Mg 279.077	935107.4	36.793	mg/L	0.0401	36.793	mg/L	0.0401	0.11%
Mn 257.610	2122280.8	3.6911	mg/L	0.00304	3.6911	mg/L	0.00304	0.08%
Ni 231.604	60786.8	3.7168	mg/L	0.00337	3.7168	mg/L	0.00337	0.09%
Pb 220.353	2844.2	0.7274	mg/L	0.00485	0.7274	mg/L	0.00485	0.67%
Sb 206.836	547.2	0.7321	mg/L	0.00010	0.7321	mg/L	0.00010	0.01%
Se 196.026	387.5	0.7248	mg/L	0.00688	0.7248	mg/L	0.00688	0.95%
Tl 190.801	696.7	0.7439	mg/L	0.00007	0.7439	mg/L	0.00007	0.01%
V 292.402	326617.3	3.7122	mg/L	0.01483	3.7122	mg/L	0.01483	0.40%
Zn 206.200	70084.0	3.7362	mg/L	0.00396	3.7362	mg/L	0.00396	0.11%
Na 330.237	50118.8	35.769	mg/L	0.1682	35.769	mg/L	0.1682	0.47%
Cd 226.502	15856.0	0.3731	mg/L	0.00114	0.3731	mg/L	0.00114	0.31%
Ti 334.940	624.1	0.0010	mg/L	0.00007	0.0010	mg/L	0.00007	6.49%
Ca 227.546	8190.1	36.549	mg/L	0.1100	36.549	mg/L	0.1100	0.30%

Sequence No.: 4
Sample ID: ICB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 8/23/2007 9:06:01 AM
Data Type: Reprocessed on 8/24/2007 9:14:08 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	63.0	0.0006	mg/L	0.00034	0.0006	mg/L	0.00034	55.33%
Al 308.215	195.8	0.0061	mg/L	0.00502	0.0061	mg/L	0.00502	82.43%
As 188.979	-1.2	-0.0016	mg/L	0.00214	-0.0016	mg/L	0.00214	136.05%
Ba 233.527	23.2	0.0003	mg/L	0.00000	0.0003	mg/L	0.00000	0.15%
Be 313.107	23.6	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	54.08%
Co 228.616	7.9	0.0004	mg/L	0.00016	0.0004	mg/L	0.00016	41.02%
Cr 267.716	5.3	0.0001	mg/L	0.00017	0.0001	mg/L	0.00017	130.17%
Cu 324.752	4.0	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	55.05%
Fe 273.955	5.9	0.0004	mg/L	0.00088	0.0004	mg/L	0.00088	197.32%
Mg 279.077	-81.9	-0.0032	mg/L	0.00068	-0.0032	mg/L	0.00068	21.14%
Mn 257.610	21.7	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	19.43%
Ni 231.604	4.2	0.0003	mg/L	0.00032	0.0003	mg/L	0.00032	123.52%
Pb 220.353	-15.6	-0.0040	mg/L	0.00137	-0.0040	mg/L	0.00137	34.35%
Sb 206.836	-0.8	-0.0011	mg/L	0.00160	-0.0011	mg/L	0.00160	148.41%
Se 196.026	1.7	0.0031	mg/L	0.00643	0.0031	mg/L	0.00643	207.95%
Tl 190.801	-1.3	-0.0013	mg/L	0.00064	-0.0013	mg/L	0.00064	48.12%
V 292.402	-20.1	-0.0002	mg/L	0.00018	-0.0002	mg/L	0.00018	79.82%
Zn 206.200	7.7	0.0004	mg/L	0.00013	0.0004	mg/L	0.00013	31.70%
Na 330.237	-155.3	-0.1112	mg/L	0.03618	-0.1112	mg/L	0.03618	32.53%
Cd 226.502	-3.1	-0.0001	mg/L	0.00010	-0.0001	mg/L	0.00010	144.33%
Ti 334.940	7.2	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	37.60%
Ca 227.546	13.6	0.0614	mg/L	0.05996	0.0614	mg/L	0.05996	97.73%

Sequence No.: 5
Sample ID: CRI
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 8/23/2007 9:09:07 AM
Data Type: Reprocessed on 8/24/2007 9:14:09 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	1143.5	0.0107	mg/L	0.00007	0.0107	mg/L	0.00007	0.68%
Al 308.215	6524.7	0.2028	mg/L	0.00207	0.2028	mg/L	0.00207	1.02%
As 188.979	8.2	0.0110	mg/L	0.00060	0.0110	mg/L	0.00060	5.48%
Ba 233.527	20017.1	0.2204	mg/L	0.00069	0.2204	mg/L	0.00069	0.31%
Be 313.107	11427.7	0.0051	mg/L	0.00004	0.0051	mg/L	0.00004	0.69%
Co 228.616	1127.7	0.0545	mg/L	0.00071	0.0545	mg/L	0.00071	1.30%
Cr 267.716	448.8	0.0112	mg/L	0.00069	0.0112	mg/L	0.00069	6.17%
Cu 324.752	6923.7	0.0241	mg/L	0.00024	0.0241	mg/L	0.00024	0.99%
Fe 273.955	3835.6	0.1227	mg/L	0.00033	0.1227	mg/L	0.00033	0.27%
Mg 279.077	141921.4	5.5776	mg/L	0.00070	5.5776	mg/L	0.00070	0.01%
Mn 257.610	9407.4	0.0164	mg/L	0.00001	0.0164	mg/L	0.00001	0.07%
Ni 231.604	717.6	0.0440	mg/L	0.00014	0.0440	mg/L	0.00014	0.32%
Pb 220.353	36.9	0.0095	mg/L	0.00061	0.0095	mg/L	0.00061	6.45%
Sb 206.836	47.2	0.0668	mg/L	0.00170	0.0668	mg/L	0.00170	2.55%
Se 196.026	22.8	0.0423	mg/L	0.00249	0.0423	mg/L	0.00249	5.89%
Tl 190.801	23.7	0.0253	mg/L	0.00405	0.0253	mg/L	0.00405	15.99%
V 292.402	4483.5	0.0509	mg/L	0.00017	0.0509	mg/L	0.00017	0.34%
Zn 206.200	1394.6	0.0743	mg/L	0.00101	0.0743	mg/L	0.00101	1.36%
Na 330.237	4031.1	2.8747	mg/L	0.02170	2.8747	mg/L	0.02170	0.75%
Cd 226.502	235.0	0.0055	mg/L	0.00005	0.0055	mg/L	0.00005	0.88%
Ti 334.940	-85.1	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	89.89%
Ca 227.546	1042.8	4.6986	mg/L	0.06074	4.6986	mg/L	0.06074	1.29%

Sequence No.: 6
Sample ID: ICSA
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 8/23/2007 9:12:11 AM
Data Type: Reprocessed on 8/24/2007 9:14:09 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-523.4	-0.0074	mg/L	0.00007	-0.0074	mg/L	0.00007	0.99%
Al 308.215	14011090.6	436.28	mg/L	2.600	436.28	mg/L	2.600	0.60%
As 188.979	-9.5	0.0026	mg/L	0.00017	0.0026	mg/L	0.00017	6.49%
Ba 233.527	229.9	0.0014	mg/L	0.00005	0.0014	mg/L	0.00005	3.46%
Be 313.107	57.6	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	127.28%
Co 228.616	79.4	0.0213	mg/L	0.00010	0.0213	mg/L	0.00010	0.48%
Cr 267.716	-165.1	-0.0091	mg/L	0.00024	-0.0091	mg/L	0.00024	2.60%
Cu 324.752	-5224.4	-0.0058	mg/L	0.00030	-0.0058	mg/L	0.00030	5.23%
Fe 273.955	5785143.1	167.34	mg/L	0.821	167.34	mg/L	0.821	0.49%
Mg 279.077	11354531.7	446.15	mg/L	1.909	446.15	mg/L	1.909	0.43%
Mn 257.610	2045.9	0.0036	mg/L	0.00005	0.0036	mg/L	0.00005	1.35%
Saturated outside survey window (code 6)								
Ni 231.604	31.7	0.0276	mg/L	0.00016	0.0276	mg/L	0.00016	0.58%
Pb 220.353	-185.3	-0.0062	mg/L	0.00032	-0.0062	mg/L	0.00032	5.21%
Sb 206.836	-6.0	-0.0095	mg/L	0.00993	-0.0095	mg/L	0.00993	104.19%
Se 196.026	-12.9	0.0010	mg/L	0.00439	0.0010	mg/L	0.00439	457.89%
Tl 190.801	-9.1	0.0093	mg/L	0.00248	0.0093	mg/L	0.00248	26.64%
V 292.402	-689.2	-0.0050	mg/L	0.00007	-0.0050	mg/L	0.00007	1.40%
Zn 206.200	248.9	0.0085	mg/L	0.00035	0.0085	mg/L	0.00035	4.15%
Na 330.237	-63.3	-0.8022	mg/L	0.07309	-0.8022	mg/L	0.07309	9.11%
Cd 226.502	446.1	0.0015	mg/L	0.00008	0.0015	mg/L	0.00008	5.24%
Ti 334.940	-5187.4	-0.0009	mg/L	0.00003	-0.0009	mg/L	0.00003	3.29%
Ca 227.546	102711.0	459.84	mg/L	3.158	459.84	mg/L	3.158	0.69%

Sequence No.: 7
Sample ID: ICSAB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 8/23/2007 9:15:26 AM
Data Type: Reprocessed on 8/24/2007 9:14:10 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	20744.0	0.1930	mg/L	0.00226	0.1930	mg/L	0.00226	1.17%
Al 308.215	14306022.5	445.46	mg/L	0.521	445.46	mg/L	0.521	0.12%
As 188.979	61.1	0.1027	mg/L	0.00558	0.1027	mg/L	0.00558	5.43%
Ba 233.527	43445.6	0.4776	mg/L	0.00034	0.4776	mg/L	0.00034	0.07%
Be 313.107	988381.2	0.4429	mg/L	0.00021	0.4429	mg/L	0.00021	0.05%
Co 228.616	8755.1	0.4394	mg/L	0.00398	0.4394	mg/L	0.00398	0.91%
Cr 267.716	17434.9	0.4308	mg/L	0.00360	0.4308	mg/L	0.00360	0.84%
Cu 324.752	128598.6	0.4573	mg/L	0.00004	0.4573	mg/L	0.00004	0.01%
Fe 273.955	5832720.0	168.79	mg/L	0.511	168.79	mg/L	0.511	0.30%
Mg 279.077	11340382.1	445.60	mg/L	2.074	445.60	mg/L	2.074	0.47%
Mn 257.610	262608.0	0.4568	mg/L	0.00321	0.4568	mg/L	0.00321	0.70%
Ni 231.604	13499.8	0.8515	mg/L	0.00895	0.8515	mg/L	0.00895	1.05%
Pb 220.353	-5.3	0.0406	mg/L	0.00217	0.0406	mg/L	0.00217	5.34%
Sb 206.836	400.6	0.5529	mg/L	0.00448	0.5529	mg/L	0.00448	0.81%
Se 196.026	10.7	0.0447	mg/L	0.00151	0.0447	mg/L	0.00151	3.37%
Tl 190.801	67.5	0.0907	mg/L	0.00038	0.0907	mg/L	0.00038	0.42%
V 292.402	38659.9	0.4426	mg/L	0.00053	0.4426	mg/L	0.00053	0.12%
Zn 206.200	16353.4	0.8673	mg/L	0.00620	0.8673	mg/L	0.00620	0.71%
Na 330.237	873.7	-0.1636	mg/L	0.13763	-0.1636	mg/L	0.13763	84.14%
Cd 226.502	37499.8	0.8705	mg/L	0.00203	0.8705	mg/L	0.00203	0.23%
Ti 334.940	-5286.4	-0.0009	mg/L	0.00003	-0.0009	mg/L	0.00003	3.19%
Ca 227.546	105801.3	473.70	mg/L	0.562	473.70	mg/L	0.562	0.12%

Sequence No.: 8
Sample ID: CCV
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 8/23/2007 9:18:39 AM
Data Type: Reprocessed on 8/24/2007 9:14:10 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	128126.2	1.2059	mg/L	0.01258	1.2059	mg/L	0.01258	1.04%
Al 308.215	305195.7	9.4843	mg/L	0.05545	9.4843	mg/L	0.05545	0.58%
As 188.979	373.7	0.5077	mg/L	0.00140	0.5077	mg/L	0.00140	0.28%
Ba 233.527	943001.7	10.383	mg/L	0.0653	10.383	mg/L	0.0653	0.63%
Be 313.107	559965.0	0.2510	mg/L	0.00166	0.2510	mg/L	0.00166	0.66%
Co 228.616	52200.3	2.5132	mg/L	0.02513	2.5132	mg/L	0.02513	1.00%
Cr 267.716	39767.9	0.9938	mg/L	0.00856	0.9938	mg/L	0.00856	0.86%
Cu 324.752	350801.8	1.2136	mg/L	0.00792	1.2136	mg/L	0.00792	0.65%
Fe 273.955	177656.2	5.1484	mg/L	0.02002	5.1484	mg/L	0.02002	0.39%
Mg 279.077	647980.7	25.495	mg/L	0.2084	25.495	mg/L	0.2084	0.82%
Mn 257.610	1458738.4	2.5371	mg/L	0.01030	2.5371	mg/L	0.01030	0.41%
Ni 231.604	41042.7	2.5095	mg/L	0.02724	2.5095	mg/L	0.02724	1.09%
Pb 220.353	1957.9	0.5007	mg/L	0.00244	0.5007	mg/L	0.00244	0.49%
Sb 206.836	363.6	0.4863	mg/L	0.00096	0.4863	mg/L	0.00096	0.20%
Se 196.026	270.6	0.5061	mg/L	0.00640	0.5061	mg/L	0.00640	1.26%
Tl 190.801	474.5	0.5067	mg/L	0.00500	0.5067	mg/L	0.00500	0.99%
V 292.402	215430.8	2.4485	mg/L	0.01730	2.4485	mg/L	0.01730	0.71%
Zn 206.200	48042.3	2.5610	mg/L	0.02013	2.5610	mg/L	0.02013	0.79%
Na 330.237	31294.4	22.331	mg/L	0.3799	22.331	mg/L	0.3799	1.70%
Cd 226.502	10762.7	0.2532	mg/L	0.00208	0.2532	mg/L	0.00208	0.82%
Ti 334.940	205.8	0.0004	mg/L	0.00002	0.0004	mg/L	0.00002	3.79%
Ca 227.546	5428.5	24.220	mg/L	0.0202	24.220	mg/L	0.0202	0.08%

Sequence No.: 9
Sample ID: CCB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 8/23/2007 9:21:51 AM
Data Type: Reprocessed on 8/24/2007 9:14:11 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	73.0	0.0007	mg/L	0.00031	0.0007	mg/L	0.00031	43.99%
Al 308.215	68.9	0.0021	mg/L	0.00234	0.0021	mg/L	0.00234	109.30%
As 188.979	-0.5	-0.0007	mg/L	0.00317	-0.0007	mg/L	0.00317	478.13%
Ba 233.527	51.1	0.0006	mg/L	0.00009	0.0006	mg/L	0.00009	16.61%
Be 313.107	103.2	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	70.07%
Co 228.616	7.7	0.0004	mg/L	0.00010	0.0004	mg/L	0.00010	26.11%
Cr 267.716	1.1	0.0000	mg/L	0.00022	0.0000	mg/L	0.00022	799.79%
Cu 324.752	1.0	0.0000	mg/L	0.00010	0.0000	mg/L	0.00010	>999.9%
Fe 273.955	131.8	0.0037	mg/L	0.00047	0.0037	mg/L	0.00047	12.79%
Mg 279.077	40.7	0.0016	mg/L	0.00000	0.0016	mg/L	0.00000	0.13%
Mn 257.610	51.2	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	33.21%
Ni 231.604	5.8	0.0004	mg/L	0.00014	0.0004	mg/L	0.00014	38.42%
Pb 220.353	-3.5	-0.0009	mg/L	0.00144	-0.0009	mg/L	0.00144	160.69%
Sb 206.836	-0.4	-0.0006	mg/L	0.00207	-0.0006	mg/L	0.00207	363.32%
Se 196.026	-0.1	-0.0002	mg/L	0.00359	-0.0002	mg/L	0.00359	>999.9%
Tl 190.801	-0.9	-0.0009	mg/L	0.00286	-0.0009	mg/L	0.00286	312.93%
V 292.402	16.4	0.0002	mg/L	0.00038	0.0002	mg/L	0.00038	205.41%
Zn 206.200	13.5	0.0007	mg/L	0.00010	0.0007	mg/L	0.00010	13.93%
Na 330.237	-656.5	-0.4697	mg/L	0.00810	-0.4697	mg/L	0.00810	1.73%
Cd 226.502	2.5	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	87.85%
Ti 334.940	-77.1	-0.0001	mg/L	0.00010	-0.0001	mg/L	0.00010	101.73%
Ca 227.546	-4.2	-0.0188	mg/L	0.07013	-0.0188	mg/L	0.07013	372.29%

Sequence No.: 10
Sample ID: MB-31667,31667
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 8/23/2007 9:24:57 AM
Data Type: Reprocessed on 8/24/2007 9:14:11 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-31667,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Ag 328.068	68.3	0.0007	mg/L	0.00027	0.0007	mg/L	0.00027	40.37%
Al 308.215	199.0	0.0062	mg/L	0.00162	0.0062	mg/L	0.00162	26.08%
As 188.979	0.9	0.0012	mg/L	0.00019	0.0012	mg/L	0.00019	16.10%
Ba 233.527	13.6	0.0001	mg/L	0.00006	0.0001	mg/L	0.00006	40.02%
Be 313.107	72.4	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	78.06%
Co 228.616	6.2	0.0003	mg/L	0.00005	0.0003	mg/L	0.00005	16.19%
Cr 267.716	8.2	0.0002	mg/L	0.00005	0.0002	mg/L	0.00005	23.47%
Cu 324.752	29.0	0.0001	mg/L	0.00008	0.0001	mg/L	0.00008	77.74%
Fe 273.955	395.6	0.0114	mg/L	0.00052	0.0114	mg/L	0.00052	4.59%
Mg 279.077	-114.2	-0.0045	mg/L	0.00104	-0.0045	mg/L	0.00104	23.15%
Mn 257.610	288.1	0.0005	mg/L	0.00002	0.0005	mg/L	0.00002	3.04%
Ni 231.604	2.1	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	30.70%
Pb 220.353	4.2	0.0011	mg/L	0.00155	0.0011	mg/L	0.00155	145.50%
Sb 206.836	4.1	0.0058	mg/L	0.00252	0.0058	mg/L	0.00252	43.64%
Se 196.026	2.2	0.0041	mg/L	0.00310	0.0041	mg/L	0.00310	76.19%
Tl 190.801	-0.2	-0.0002	mg/L	0.00109	-0.0002	mg/L	0.00109	567.73%
V 292.402	-35.6	-0.0004	mg/L	0.00012	-0.0004	mg/L	0.00012	30.44%
Zn 206.200	58.4	0.0031	mg/L	0.00000	0.0031	mg/L	0.00000	0.05%
Na 330.237	-785.1	-0.5619	mg/L	0.00428	-0.5619	mg/L	0.00428	0.76%
Cd 226.502	1.6	0.0000	mg/L	0.00007	0.0000	mg/L	0.00007	202.60%
Ti 334.940	-19.7	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	91.70%
Ca 227.546	8.6	0.0387	mg/L	0.00840	0.0387	mg/L	0.00840	21.68%

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Sequence No.: 11
Sample ID: LCS-31667,31667
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 8/23/2007 9:28:02 AM
Data Type: Reprocessed on 8/24/2007 9:14:12 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-31667,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ag 328.068	138400.3	1.3051	mg/L	0.00633	1.3051	mg/L	0.00633	0.48%
Al 308.215	301770.2	9.3777	mg/L	0.04990	9.3777	mg/L	0.04990	0.53%
As 188.979	367.3	0.4991	mg/L	0.00257	0.4991	mg/L	0.00257	0.51%
Ba 233.527	915119.9	10.076	mg/L	0.1306	10.076	mg/L	0.1306	1.30%
Be 313.107	558941.9	0.2505	mg/L	0.00295	0.2505	mg/L	0.00295	1.18%
Co 228.616	51624.7	2.4855	mg/L	0.00224	2.4855	mg/L	0.00224	0.09%
Cr 267.716	39547.4	0.9883	mg/L	0.00574	0.9883	mg/L	0.00574	0.58%
Cu 324.752	350464.1	1.2124	mg/L	0.01544	1.2124	mg/L	0.01544	1.27%
Fe 273.955	173108.5	5.0191	mg/L	0.03041	5.0191	mg/L	0.03041	0.61%
Mg 279.077	632076.1	24.870	mg/L	0.2918	24.870	mg/L	0.2918	1.17%
Mn 257.610	1426284.8	2.4806	mg/L	0.02361	2.4806	mg/L	0.02361	0.95%
Ni 231.604	40895.3	2.5005	mg/L	0.00533	2.5005	mg/L	0.00533	0.21%
Pb 220.353	1916.7	0.4902	mg/L	0.00025	0.4902	mg/L	0.00025	0.05%
Sb 206.836	375.6	0.5035	mg/L	0.00364	0.5035	mg/L	0.00364	0.72%
Se 196.026	269.9	0.5047	mg/L	0.00402	0.5047	mg/L	0.00402	0.80%
Tl 190.801	462.0	0.4934	mg/L	0.00040	0.4934	mg/L	0.00040	0.08%
V 292.402	214396.3	2.4368	mg/L	0.01403	2.4368	mg/L	0.01403	0.58%
Zn 206.200	46765.6	2.4931	mg/L	0.01390	2.4931	mg/L	0.01390	0.56%
Na 330.237	30600.5	21.835	mg/L	0.1111	21.835	mg/L	0.1111	0.51%
Cd 226.502	10725.2	0.2524	mg/L	0.00175	0.2524	mg/L	0.00175	0.69%
Ti 334.940	-114.5	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	8.41%
Ca 227.546	5392.5	24.061	mg/L	0.0216	24.061	mg/L	0.0216	0.09%

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Sequence No.: 12
Sample ID: F1105-01B,31667
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 8/23/2007 9:31:13 AM
Data Type: Reprocessed on 8/24/2007 9:14:12 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1105-01B,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD

Ag 328.068	45.2	0.0030 mg/L	0.00049	0.0030 mg/L	0.00049	16.37%
Al 308.215	293133.5	9.1276 mg/L	0.02027	9.1276 mg/L	0.02027	0.22%
As 188.979	10.8	0.0162 mg/L	0.00019	0.0162 mg/L	0.00019	1.15%
Ba 233.527	50232.1	0.5527 mg/L	0.00123	0.5527 mg/L	0.00123	0.22%
Be 313.107	860.5	0.0005 mg/L	0.00001	0.0005 mg/L	0.00001	2.02%
Co 228.616	233.7	0.0157 mg/L	0.00010	0.0157 mg/L	0.00010	0.63%
Cr 267.716	703.7	0.0158 mg/L	0.00031	0.0158 mg/L	0.00031	1.95%
Cu 324.752	21987.9	0.0794 mg/L	0.00011	0.0794 mg/L	0.00011	0.13%
Fe 273.955	1180158.9	33.923 mg/L	0.4776	33.923 mg/L	0.4776	1.41%
Mg 279.077	549887.7	21.622 mg/L	0.3187	21.622 mg/L	0.3187	1.47%
Mn 257.610	1310041.9	2.2784 mg/L	0.03206	2.2784 mg/L	0.03206	1.41%
Ni 231.604	428.0	0.0300 mg/L	0.00015	0.0300 mg/L	0.00015	0.51%
Pb 220.353	804.8	0.2069 mg/L	0.00124	0.2069 mg/L	0.00124	0.60%
Sb 206.836	5.5	0.0120 mg/L	0.00185	0.0120 mg/L	0.00185	15.43%
Se 196.026	15.1	0.0262 mg/L	0.00188	0.0262 mg/L	0.00188	7.18%
Tl 190.801	-7.2	0.0040 mg/L	0.00372	0.0040 mg/L	0.00372	91.88%
V 292.402	1490.8	0.0177 mg/L	0.00022	0.0177 mg/L	0.00022	1.23%
Zn 206.200	5253.8	0.2796 mg/L	0.00135	0.2796 mg/L	0.00135	0.48%
Na 330.237	116773.6	83.366 mg/L	0.1104	83.366 mg/L	0.1104	0.13%
Cd 226.502	116.7	0.0009 mg/L	0.00005	0.0009 mg/L	0.00005	5.62%
Ti 334.940	72496.3	0.0916 mg/L	0.00349	0.0916 mg/L	0.00349	3.81%
Ca 227.546	27270.8	122.32 mg/L	0.014	122.32 mg/L	0.014	0.01%

Sequence No.: 13
Sample ID: F1105-01BSD,31667
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 8/23/2007 9:34:24 AM
Data Type: Reprocessed on 8/24/2007 9:14:13 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1105-01BSD,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	17.6	0.0006	mg/L	0.00014	0.0006	mg/L	0.00014	24.68%
Al 308.215	59149.7	1.8418	mg/L	0.01265	1.8418	mg/L	0.01265	0.69%
As 188.979	4.4	0.0062	mg/L	0.00283	0.0062	mg/L	0.00283	45.75%
Ba 233.527	10534.5	0.1159	mg/L	0.00104	0.1159	mg/L	0.00104	0.90%
Be 313.107	204.7	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	5.11%
Co 228.616	51.8	0.0034	mg/L	0.00042	0.0034	mg/L	0.00042	12.49%
Cr 267.716	149.9	0.0034	mg/L	0.00003	0.0034	mg/L	0.00003	0.81%
Cu 324.752	4412.4	0.0159	mg/L	0.00008	0.0159	mg/L	0.00008	0.49%
Fe 273.955	250680.1	7.1974	mg/L	0.05346	7.1974	mg/L	0.05346	0.74%
Mg 279.077	117367.9	4.6150	mg/L	0.03219	4.6150	mg/L	0.03219	0.70%
Mn 257.610	278336.7	0.4841	mg/L	0.00367	0.4841	mg/L	0.00367	0.76%
Ni 231.604	95.5	0.0066	mg/L	0.00030	0.0066	mg/L	0.00030	4.56%
Pb 220.353	144.2	0.0371	mg/L	0.00070	0.0371	mg/L	0.00070	1.88%
Sb 206.836	2.7	0.0046	mg/L	0.00075	0.0046	mg/L	0.00075	16.32%
Se 196.026	6.2	0.0114	mg/L	0.00136	0.0114	mg/L	0.00136	11.96%
Tl 190.801	-2.1	0.0002	mg/L	0.00022	0.0002	mg/L	0.00022	96.42%
V 292.402	290.3	0.0035	mg/L	0.00003	0.0035	mg/L	0.00003	0.98%
Zn 206.200	1209.5	0.0644	mg/L	0.00006	0.0644	mg/L	0.00006	0.09%
Na 330.237	20215.9	14.428	mg/L	0.1748	14.428	mg/L	0.1748	1.21%
Cd 226.502	23.1	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	18.39%
Ti 334.940	14590.0	0.0184	mg/L	0.00004	0.0184	mg/L	0.00004	0.21%
Ca 227.546	5363.2	24.046	mg/L	0.0545	24.046	mg/L	0.0545	0.23%

Sequence No.: 14
Sample ID: F1025-01BPDS,31670
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution: Se 120 ppb Pb 0.2 ppm

Autosampler Location: 42
Date Collected: 8/23/2007 9:37:30 AM
Data Type: Reprocessed on 8/24/2007 9:14:13 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1025-01BPDS,31670

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-732.0	-0.0684	mg/L	0.00016	-0.0684	mg/L	0.00016	0.23%

Al 308.215	2090342.5	65.088	mg/L	0.3379	65.088	mg/L	0.3379	0.52%
As 188.979	62.4	0.0838	mg/L	0.00317	0.0838	mg/L	0.00317	3.79%
Ba 233.527	74549.2	0.8189	mg/L	0.00519	0.8189	mg/L	0.00519	0.63%
Be 313.107	6277.9	0.0044	mg/L	0.00004	0.0044	mg/L	0.00004	0.81%
Co 228.616	2499.0	0.1188	mg/L	0.00020	0.1188	mg/L	0.00020	0.17%
Cr 267.716	4775.6	0.1171	mg/L	0.00048	0.1171	mg/L	0.00048	0.41%
Cu 324.752	79236.4	0.2732	mg/L	0.00109	0.2732	mg/L	0.00109	0.40%
Fe 273.955	9779919.7	277.38	mg/L	0.197	277.38	mg/L	0.197	0.07%
Mg 279.077	1623144.3	63.725	mg/L	0.4365	63.725	mg/L	0.4365	0.68%
Mn 257.610	3022524.0	5.2567	mg/L	0.00214	5.2567	mg/L	0.00214	0.04%
Ni 231.604	4151.7	0.2569	mg/L	0.00054	0.2569	mg/L	0.00054	0.21%
Pb 220.353	1247.3	0.3234	mg/L	0.00089	0.3234	mg/L	0.00089	0.28%
Sb 206.836	-15.8	-0.0124	mg/L	0.00468	-0.0124	mg/L	0.00468	37.78%
Se 196.026	34.0	0.1562	mg/L	0.00623	0.1562	mg/L	0.00623	3.99%
Tl 190.801	-10.7	0.0666	mg/L	0.00161	0.0666	mg/L	0.00161	2.41%
V 292.402	18723.8	0.2178	mg/L	0.00132	0.2178	mg/L	0.00132	0.61%
Zn 206.200	14155.0	0.7533	mg/L	0.00076	0.7533	mg/L	0.00076	0.10%
Na 330.237	1168.6	1.1950	mg/L	0.05098	1.1950	mg/L	0.05098	4.27%
Cd 226.502	907.8	0.0062	mg/L	0.00016	0.0062	mg/L	0.00016	2.62%
Ti 334.940	689711.7	0.8580	mg/L	0.00863	0.8580	mg/L	0.00863	1.01%
Ca 227.546	15182.5	62.586	mg/L	0.0400	62.586	mg/L	0.0400	0.06%

Sequence No.: 15
Sample ID: CRI
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 8/23/2007 9:40:44 AM
Data Type: Reprocessed on 8/24/2007 9:14:14 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	1207.5	0.0113	mg/L	0.00035	0.0113	mg/L	0.00035	3.11%
Al 308.215	6615.0	0.2056	mg/L	0.00386	0.2056	mg/L	0.00386	1.88%
As 188.979	5.6	0.0076	mg/L	0.00103	0.0076	mg/L	0.00103	13.52%
Ba 233.527	20075.0	0.2210	mg/L	0.00280	0.2210	mg/L	0.00280	1.27%
Be 313.107	11521.5	0.0052	mg/L	0.00002	0.0052	mg/L	0.00002	0.38%
Co 228.616	1114.1	0.0538	mg/L	0.00029	0.0538	mg/L	0.00029	0.53%
Cr 267.716	410.6	0.0103	mg/L	0.00027	0.0103	mg/L	0.00027	2.66%
Cu 324.752	7331.0	0.0255	mg/L	0.00035	0.0255	mg/L	0.00035	1.38%
Fe 273.955	4815.7	0.1512	mg/L	0.00185	0.1512	mg/L	0.00185	1.22%
Mg 279.077	135167.9	5.3122	mg/L	0.04278	5.3122	mg/L	0.04278	0.81%
Mn 257.610	9656.2	0.0168	mg/L	0.00011	0.0168	mg/L	0.00011	0.67%
Ni 231.604	698.0	0.0428	mg/L	0.00008	0.0428	mg/L	0.00008	0.20%
Pb 220.353	19.2	0.0050	mg/L	0.00034	0.0050	mg/L	0.00034	6.83%
Sb 206.836	43.1	0.0610	mg/L	0.00169	0.0610	mg/L	0.00169	2.76%
Se 196.026	24.3	0.0451	mg/L	0.00083	0.0451	mg/L	0.00083	1.84%
Tl 190.801	20.8	0.0222	mg/L	0.00208	0.0222	mg/L	0.00208	9.38%
V 292.402	4635.3	0.0527	mg/L	0.00005	0.0527	mg/L	0.00005	0.09%
Zn 206.200	1263.8	0.0673	mg/L	0.00044	0.0673	mg/L	0.00044	0.66%
Na 330.237	4637.3	3.3083	mg/L	0.09390	3.3083	mg/L	0.09390	2.84%
Cd 226.502	228.9	0.0054	mg/L	0.00003	0.0054	mg/L	0.00003	0.52%
Ti 334.940	19.5	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	17.54%
Ca 227.546	1066.9	4.8068	mg/L	0.06458	4.8068	mg/L	0.06458	1.34%

Sequence No.: 16
Sample ID: ICSA
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 8/23/2007 9:43:48 AM
Data Type: Reprocessed on 8/24/2007 9:14:18 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	-454.1	-0.0054	mg/L	0.00019	-0.0054	mg/L	0.00019	3.62%
Al 308.215	14539142.9	452.73	mg/L	0.689	452.73	mg/L	0.689	0.15%

As 188.979	-9.9	0.0029	mg/L	0.00261	0.0029	mg/L	0.00261	90.16%
Ba 233.527	237.5	0.0014	mg/L	0.00011	0.0014	mg/L	0.00011	7.75%
Be 313.107	152.4	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	46.87%
Co 228.616	73.7	0.0217	mg/L	0.00002	0.0217	mg/L	0.00002	0.10%
Cr 267.716	-156.7	-0.0092	mg/L	0.00028	-0.0092	mg/L	0.00028	3.05%
Cu 324.752	-5082.1	-0.0048	mg/L	0.00013	-0.0048	mg/L	0.00013	2.68%
Fe 273.955	5788585.1	167.60	mg/L	0.320	167.60	mg/L	0.320	0.19%
Mg 279.077	11169651.9	438.89	mg/L	0.649	438.89	mg/L	0.649	0.15%
Mn 257.610	2091.6	0.0036	mg/L	0.00003	0.0036	mg/L	0.00003	0.89%
Saturated outside survey window (code 6)								
Ni 231.604	31.9	0.0286	mg/L	0.00072	0.0286	mg/L	0.00072	2.51%
Pb 220.353	-175.1	-0.0021	mg/L	0.00102	-0.0021	mg/L	0.00102	49.14%
Sb 206.836	-2.5	-0.0050	mg/L	0.00012	-0.0050	mg/L	0.00012	2.37%
Se 196.026	-7.7	0.0095	mg/L	0.00352	0.0095	mg/L	0.00352	37.19%
Tl 190.801	-10.3	0.0068	mg/L	0.00418	0.0068	mg/L	0.00418	61.41%
V 292.402	-720.6	-0.0054	mg/L	0.00017	-0.0054	mg/L	0.00017	3.10%
Zn 206.200	232.2	0.0072	mg/L	0.00020	0.0072	mg/L	0.00020	2.77%
Na 330.237	117.2	-0.7074	mg/L	0.03418	-0.7074	mg/L	0.03418	4.83%
Cd 226.502	475.6	0.0021	mg/L	0.00012	0.0021	mg/L	0.00012	5.67%
Ti 334.940	-5186.0	-0.0007	mg/L	0.00007	-0.0007	mg/L	0.00007	9.73%
Ca 227.546	106484.6	476.86	mg/L	3.689	476.86	mg/L	3.689	0.77%

Sequence No.: 17
Sample ID: ICSAB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 8/23/2007 9:47:03 AM
Data Type: Reprocessed on 8/24/2007 9:14:22 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	20994.7	0.1961	mg/L	0.00065	0.1961	mg/L	0.00065	0.33%
Al 308.215	14522058.0	452.19	mg/L	1.475	452.19	mg/L	1.475	0.33%
As 188.979	58.7	0.0999	mg/L	0.00190	0.0999	mg/L	0.00190	1.90%
Ba 233.527	43193.8	0.4748	mg/L	0.00347	0.4748	mg/L	0.00347	0.73%
Be 313.107	983902.9	0.4409	mg/L	0.00279	0.4409	mg/L	0.00279	0.63%
Co 228.616	8628.8	0.4336	mg/L	0.00065	0.4336	mg/L	0.00065	0.15%
Cr 267.716	17395.5	0.4297	mg/L	0.00001	0.4297	mg/L	0.00001	0.00%
Cu 324.752	129179.0	0.4595	mg/L	0.00438	0.4595	mg/L	0.00438	0.95%
Fe 273.955	5797949.7	167.87	mg/L	0.439	167.87	mg/L	0.439	0.26%
Mg 279.077	11165038.4	438.71	mg/L	1.042	438.71	mg/L	1.042	0.24%
Mn 257.610	260503.5	0.4531	mg/L	0.00171	0.4531	mg/L	0.00171	0.38%
Ni 231.604	13298.9	0.8396	mg/L	0.00296	0.8396	mg/L	0.00296	0.35%
Pb 220.353	-8.5	0.0404	mg/L	0.00010	0.0404	mg/L	0.00010	0.25%
Sb 206.836	398.6	0.5499	mg/L	0.00262	0.5499	mg/L	0.00262	0.48%
Se 196.026	10.0	0.0425	mg/L	0.00473	0.0425	mg/L	0.00473	11.11%
Tl 190.801	65.2	0.0874	mg/L	0.00111	0.0874	mg/L	0.00111	1.27%
V 292.402	38841.9	0.4447	mg/L	0.00176	0.4447	mg/L	0.00176	0.39%
Zn 206.200	15798.9	0.8376	mg/L	0.00321	0.8376	mg/L	0.00321	0.38%
Na 330.237	1321.3	0.1432	mg/L	0.09002	0.1432	mg/L	0.09002	62.86%
Cd 226.502	36502.8	0.8472	mg/L	0.00588	0.8472	mg/L	0.00588	0.69%
Ti 334.940	-5229.9	-0.0008	mg/L	0.00008	-0.0008	mg/L	0.00008	10.89%
Ca 227.546	107160.7	479.86	mg/L	4.083	479.86	mg/L	4.083	0.85%

Sequence No.: 18
Sample ID: CCV
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 8/23/2007 9:50:16 AM
Data Type: Reprocessed on 8/24/2007 9:14:32 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	130817.4	1.2313	mg/L	0.01265	1.2313	mg/L	0.01265	1.03%
Al 308.215	309273.6	9.6109	mg/L	0.13992	9.6109	mg/L	0.13992	1.46%

As 188.979	375.4	0.5101 mg/L	0.00570	0.5101 mg/L	0.00570	1.12%
Ba 233.527	950944.0	10.470 mg/L	0.1591	10.470 mg/L	0.1591	1.52%
Be 313.107	565871.1	0.2537 mg/L	0.00461	0.2537 mg/L	0.00461	1.82%
Co 228.616	52514.1	2.5284 mg/L	0.02885	2.5284 mg/L	0.02885	1.14%
Cr 267.716	40239.6	1.0056 mg/L	0.00858	1.0056 mg/L	0.00858	0.85%
Cu 324.752	356004.5	1.2316 mg/L	0.02152	1.2316 mg/L	0.02152	1.75%
Fe 273.955	178944.9	5.1868 mg/L	0.07583	5.1868 mg/L	0.07583	1.46%
Mg 279.077	649997.8	25.575 mg/L	0.4040	25.575 mg/L	0.4040	1.58%
Mn 257.610	1469481.0	2.5557 mg/L	0.03972	2.5557 mg/L	0.03972	1.55%
Ni 231.604	41309.4	2.5259 mg/L	0.03419	2.5259 mg/L	0.03419	1.35%
Pb 220.353	1964.3	0.5023 mg/L	0.00092	0.5023 mg/L	0.00092	0.18%
Sb 206.836	367.7	0.4918 mg/L	0.00540	0.4918 mg/L	0.00540	1.10%
Se 196.026	267.1	0.4996 mg/L	0.00648	0.4996 mg/L	0.00648	1.30%
Tl 190.801	471.5	0.5035 mg/L	0.00331	0.5035 mg/L	0.00331	0.66%
V 292.402	218861.8	2.4875 mg/L	0.02751	2.4875 mg/L	0.02751	1.11%
Zn 206.200	47795.2	2.5479 mg/L	0.03912	2.5479 mg/L	0.03912	1.54%
Na 330.237	31972.9	22.816 mg/L	0.2194	22.816 mg/L	0.2194	0.96%
Cd 226.502	10760.9	0.2532 mg/L	0.00491	0.2532 mg/L	0.00491	1.94%
Ti 334.940	293.0	0.0005 mg/L	0.00003	0.0005 mg/L	0.00003	4.83%
Ca 227.546	5502.4	24.552 mg/L	0.1513	24.552 mg/L	0.1513	0.62%

Sequence No.: 19
Sample ID: CCB
Analyst:
Logged In Analyst (Original) : optima3
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 8/23/2007 9:53:28 AM
Data Type: Reprocessed on 8/24/2007 9:14:39 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ag 328.068	56.5	0.0005	mg/L	0.00018	0.0005	mg/L	0.00018	32.39%
Al 308.215	45.8	0.0014	mg/L	0.00079	0.0014	mg/L	0.00079	55.60%
As 188.979	-1.1	-0.0015	mg/L	0.00062	-0.0015	mg/L	0.00062	42.22%
Ba 233.527	39.8	0.0004	mg/L	0.00007	0.0004	mg/L	0.00007	16.36%
Be 313.107	156.3	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	18.09%
Co 228.616	3.6	0.0002	mg/L	0.00011	0.0002	mg/L	0.00011	61.01%
Cr 267.716	8.3	0.0002	mg/L	0.00012	0.0002	mg/L	0.00012	59.82%
Cu 324.752	-6.0	0.0000	mg/L	0.00006	0.0000	mg/L	0.00006	313.57%
Fe 273.955	128.8	0.0038	mg/L	0.00025	0.0038	mg/L	0.00025	6.54%
Mg 279.077	-19.2	-0.0008	mg/L	0.00119	-0.0008	mg/L	0.00119	156.80%
Mn 257.610	43.2	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	40.42%
Ni 231.604	1.6	0.0001	mg/L	0.00006	0.0001	mg/L	0.00006	64.85%
Pb 220.353	-28.8	-0.0074	mg/L	0.00003	-0.0074	mg/L	0.00003	0.47%
Sb 206.836	1.1	0.0015	mg/L	0.00190	0.0015	mg/L	0.00190	124.01%
Se 196.026	0.3	0.0006	mg/L	0.00280	0.0006	mg/L	0.00280	500.80%
Tl 190.801	0.0	0.0000	mg/L	0.00016	0.0000	mg/L	0.00016	328.52%
V 292.402	-3.4	0.0000	mg/L	0.00016	0.0000	mg/L	0.00016	430.88%
Zn 206.200	9.6	0.0005	mg/L	0.00002	0.0005	mg/L	0.00002	4.36%
Na 330.237	-587.8	-0.4207	mg/L	0.03366	-0.4207	mg/L	0.03366	8.00%
Cd 226.502	-3.5	-0.0001	mg/L	0.00008	-0.0001	mg/L	0.00008	97.96%
Ti 334.940	-30.9	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	93.62%
Ca 227.546	5.6	0.0250	mg/L	0.02769	0.0250	mg/L	0.02769	110.78%

Method Name: Mercury-ILM
Method Description: Mercury
Element: Hg

NS 8/14/07 ILM 5.3 Sol
8/14/07 EB
F1025

Date: 08/14/2007
Technique:FI-MHS
Calibration Type:
Hg, Calc. Intercept : Linear
Wavelength: 253.7 nm
Sample Info Name: KAROLINA.SIF

FIMS1_070814B
Results Data Set Name: H0708142

Element: Hg Seq. No.: 1 AS Loc.: 1 Date: 08/14/2007
Sample ID: S0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0004	0.0015	0.0004	09:00:27	Yes
2			0.0005	0.0021	0.0005	09:01:00	Yes
Mean:			0.0004				
SD :			0.0000				
%RSD:			7.5185				

Auto-zero performed.

Element: Hg Seq. No.: 2 AS Loc.: 2 Date: 08/14/2007
Sample ID: S0.2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0031	0.0164	0.0035	09:01:54	Yes
2			0.0031	0.0169	0.0036	09:02:26	Yes
Mean:			0.0031				
SD :			0.0000				
%RSD:			1.5830				

[Hg] Standard number 1 applied. [0.20]
Correlation Coefficient: 1.00000 Slope: 0.01553
Intercept : 0.00000

Element: Hg Seq. No.: 3 AS Loc.: 3 Date: 08/14/2007
Sample ID: S1.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0167	0.0810	0.0171	09:03:20	Yes
2			0.0167	0.0804	0.0171	09:03:52	Yes
Mean:			0.0167				
SD :			0.0000				
%RSD:			0.1535				

[Hg] Standard number 2 applied. [1.00]
Correlation Coefficient: 0.99990 Slope: 0.01676
Intercept : -0.00011

Element: Hg Seq. No.: 4 AS Loc.: 4 Date: 08/14/2007
Sample ID: S2.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0322	0.1523	0.0326	09:04:45	Yes
2			0.0320	0.1519	0.0324	09:05:17	Yes
Mean:			0.0321				
SD :			0.0001				
%RSD:			0.4509				

[Hg] Standard number 3 applied. [2.00]

Correlation Coefficient: 0.99974 Slope: 0.01612
Intercept : 0.00007

Element: Hg Seq. No.: 5 AS Loc.: 5 Date: 08/14/2007
Sample ID: S5.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0817	0.3862	0.0822	09:06:10	Yes
2			0.0818	0.3818	0.0823	09:06:42	Yes
Mean:			0.0818				
SD :			0.0000				
%RSD:							

[Hg] Standard number 4 applied. [5.00]
Correlation Coefficient: 0.99995 Slope: 0.01634
Intercept : -0.00008

Element: Hg Seq. No.: 6 AS Loc.: 6 Date: 08/14/2007
Sample ID: S10.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.1568	0.7433	0.1572	09:07:35	Yes
2			0.1574	0.7379	0.1579	09:08:07	Yes
Mean:			0.1571				
SD :			0.0004				
%RSD:			0.2795				

[Hg] Standard number 5 applied. [10.00]
Correlation Coefficient: 0.99979 Slope: 0.01576
Intercept : 0.00065

Calibration data for Hg

Standard ID	Mean Signal (Pk Height)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
S0	0.0004	--	----	----	----
S0.2	0.0031	0.20	0.16	0.000	1.6
S1.0	0.0167	1.00	1.02	0.000	0.2
S2.0	0.0321	2.00	1.99	0.000	0.5
S5.0	0.0818	5.00	5.15	0.000	----
S10.0	0.1571	10.00	9.93	0.000	0.3

Correlation Coefficient: 0.99979 Slope: 0.01576 Intercept: 0.0006

Element: Hg Seq. No.: 7 AS Loc.: 7 Date: 08/14/2007
Sample ID: ICV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.01	2.01	0.0324	0.1524	0.0328	09:09:00	Yes
2	2.00	2.00	0.0322	0.1522	0.0327	09:09:32	Yes
Mean:	2.01	2.01	0.0323				
SD :	0.007	0.007	0.0001				
%RSD:	0.4	0.4	0.3547				

QC value within specified limits.

Element: Hg Seq. No.: 8 AS Loc.: 1 Date: 08/14/2007
Sample ID: ICB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.04	-0.04	0.0000	0.0023	0.0004	09:10:27	Yes

2	-0.04	-0.04	0.0000	0.0016	0.0004	09:10:59	Yes
Mean:	-0.04	-0.04	0.0000				
SD :	0.001	0.001	0.0000				
%RSD:	2.9	2.9	55.9772				

QC value within specified limits.

==========

Element: Hg Seq. No.: 9 AS Loc.: 17 Date: 08/14/2007
Sample ID: CRA

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.16	0.16	0.0031	0.0167	0.0036	09:11:52	Yes
2	0.16	0.16	0.0031	0.0165	0.0036	09:12:24	Yes
Mean:	0.16	0.16	0.0031				
SD :	0.002	0.002	0.0000				
%RSD:	1.0	1.0	0.7562				

==========

Element: Hg Seq. No.: 10 AS Loc.: 18 Date: 08/14/2007
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.71	4.71	0.0749	0.3551	0.0753	09:13:17	Yes
2	4.72	4.72	0.0750	0.3555	0.0755	09:13:49	Yes
Mean:	4.71	4.71	0.0750				
SD :	0.007	0.007	0.0001				
%RSD:	0.2	0.2	0.1532				

==========

Element: Hg Seq. No.: 11 AS Loc.: 19 Date: 08/14/2007
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.03	-0.03	0.0002	0.0025	0.0006	09:14:42	Yes
2	-0.02	-0.02	0.0003	0.0030	0.0007	09:15:14	Yes
Mean:	-0.03	-0.03	0.0002				
SD :	0.004	0.004	0.0001				
%RSD:	17.6	17.6	28.2233				

==========

Element: Hg Seq. No.: 12 AS Loc.: 20 Date: 08/14/2007
Sample ID: MB-31665

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.04	-0.04	0.0000	0.0024	0.0005	09:16:07	Yes
2	-0.04	-0.04	0.0000	0.0020	0.0005	09:16:39	Yes
Mean:	-0.04	-0.04	0.0000				
SD :	0.000	0.000	0.0000				
%RSD:	0.5	0.5	11.7877				

==========

Element: Hg Seq. No.: 13 AS Loc.: 21 Date: 08/14/2007
Sample ID: LCS-31665

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	7.00	7.00	0.1109	0.5265	0.1114	09:17:31	Yes
2	6.95	6.95	0.1102	0.5256	0.1107	09:18:03	Yes
Mean:	6.97	6.97	0.1106				
SD :	0.033	0.033	0.0005				
%RSD:	0.5	0.5	0.4683				

==========

Element: Hg Seq. No.: 14 AS Loc.: 22 Date: 08/14/2007
Sample ID: F1025-01B

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.04	0.04	0.0013	0.0075	0.0017	09:18:56	Yes
2	0.04	0.04	0.0013	0.0080	0.0017	09:19:28	Yes
Mean:	0.04	0.04	0.0013				
SD :	0.001	0.001	0.0000				
%RSD:	3.6	3.6	1.7442				

Element: Hg Seq. No.: 15 AS Loc.: 23 Date: 08/14/2007
Sample ID: F1025-01BDUP

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.01	0.01	0.0008	0.0056	0.0012	09:20:21	Yes
2	0.01	0.01	0.0009	0.0063	0.0013	09:20:53	Yes
Mean:	0.01	0.01	0.0008				
SD :	0.004	0.004	0.0001				
%RSD:	33.3	33.3	6.8102				

Element: Hg Seq. No.: 16 AS Loc.: 24 Date: 08/14/2007
Sample ID: F1025-01BMS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.08	1.08	0.0177	0.0869	0.0181	09:21:46	Yes
2	1.08	1.08	0.0177	0.0869	0.0181	09:22:18	Yes
Mean:	1.08	1.08	0.0177				
SD :	0.001	0.001	0.0000				
%RSD:	0.1	0.1	0.1176				

Element: Hg Seq. No.: 17 AS Loc.: 7 Date: 08/14/2007
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.52	4.52	0.0719	0.3529	0.0724	09:23:12	Yes
2	4.51	4.51	0.0718	0.3512	0.0722	09:23:44	Yes
Mean:	4.52	4.52	0.0719				
SD :	0.008	0.008	0.0001				
%RSD:	0.2	0.2	0.1752				

QC value within specified limits.

Element: Hg Seq. No.: 18 AS Loc.: 1 Date: 08/14/2007
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.04	-0.04	0.0000	0.0019	0.0004	09:24:39	Yes
2	-0.04	-0.04	0.0000	0.0017	0.0004	09:25:11	Yes
Mean:	-0.04	-0.04	0.0000				
SD :	0.000	0.000	0.0000				
%RSD:	0.4	0.4	12.3191				

QC value within specified limits.

Element: Hg Seq. No.: 19 AS Loc.: 25 Date: 08/14/2007
Sample ID: CRA

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	0.15	0.15	0.0030	0.0167	0.0035	09:26:06	Yes
2	0.15	0.15	0.0030	0.0162	0.0034	09:26:38	Yes
Mean:	0.15	0.15	0.0030				
SD :	0.002	0.002	0.0000				
%RSD:	1.3	1.3	1.0317				

Element: Hg Seq. No.: 20 AS Loc.: 7 Date: 08/14/2007
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.54	4.54	0.0722	0.3526	0.0726	09:27:31	Yes
2	4.54	4.54	0.0722	0.3539	0.0727	09:28:03	Yes
Mean:	4.54	4.54	0.0722				
SD :	0.003	0.003	0.0000				
%RSD:							

QC value within specified limits.

Element: Hg Seq. No.: 21 AS Loc.: 1 Date: 08/14/2007
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.04	-0.04	0.0000	0.0023	0.0005	09:28:58	Yes
2	-0.04	-0.04	0.0001	0.0022	0.0005	09:29:30	Yes
Mean:	-0.04	-0.04	0.0001				
SD :	0.001	0.001	0.0000				
%RSD:	3.8	3.8	35.8917				

QC value within specified limits.

Element: Hg Seq. No.: 25 AS Loc.: 31 Date: 08/14/2007
Sample ID: CRA

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.20	0.20	0.0022	0.0125	0.0026	11:08:46	Yes
2	0.20	0.20	0.0022	0.0123	0.0026	11:09:18	Yes
Mean:	0.20	0.20	0.0022				
SD :	0.000	0.000	0.0000				
%RSD:			0.1015				

Element: Hg Seq. No.: 26 AS Loc.: 32 Date: 08/14/2007
Sample ID: F1078-09BMS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.06	1.06	0.0128	0.0653	0.0132	11:10:14	Yes
2	1.06	1.06	0.0128	0.0651	0.0133	11:10:46	Yes
Mean:	1.06	1.06	0.0128				
SD :	0.003	0.003	0.0000				
%RSD:	0.2	0.2	0.2509				

Element: Hg Seq. No.: 27 AS Loc.: 7 Date: 08/14/2007
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

Method Name: Mercury-ILM
Method Description: Mercury
Element: Hg

Date: 08/14/2007
Technique:FI-MHS
Calibration Type:
Hg, Calc. Intercept : Linear
Wavelength: 253.7 nm
Sample Info Name: KAROLINA.SIF Results Data Set Name: H0708144

NJ 8/14/07 ILM 5.34c
8/14/07 ms
F1025
F1078
F1105
FIMSL_070814C

Element: Hg Seq. No.: 1 AS Loc.: 1 Date: 08/14/2007
Sample ID: S0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0005	0.0017	0.0005	11:14:01	Yes
2			0.0006	0.0027	0.0006	11:14:33	Yes
Mean:			0.0006				
SD :			0.0001				
%RSD:			12.0388				

Auto-zero performed.

Element: Hg Seq. No.: 2 AS Loc.: 2 Date: 08/14/2007
Sample ID: S0.2

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0021	0.0126	0.0026	11:15:27	Yes
2			0.0021	0.0126	0.0027	11:15:59	Yes
Mean:			0.0021				
SD :			0.0000				
%RSD:			1.6628				

[Hg] Standard number 1 applied. [0.20]
Correlation Coefficient: 1.00000 Slope: 0.01048

0643

Intercept : 0.00000

==========

Element: Hg Seq. No.: 3 AS Loc.: 3 Date: 08/14/2007
Sample ID: S1.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0114	0.0575	0.0119	11:16:54	Yes
2			0.0113	0.0574	0.0119	11:17:26	Yes
Mean:			0.0113				
SD :			0.0001				
%RSD:			0.5223				

[Hg] Standard number 2 applied. [1.00]
Correlation Coefficient: 0.99988 Slope: 0.01139
Intercept : -0.00008

==========

Element: Hg Seq. No.: 4 AS Loc.: 4 Date: 08/14/2007
Sample ID: S2.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0230	0.1173	0.0235	11:18:19	Yes
2			0.0225	0.1164	0.0231	11:18:51	Yes
Mean:			0.0227				
SD :			0.0003				
%RSD:			1.4274				

[Hg] Standard number 3 applied. [2.00]
Correlation Coefficient: 0.99997 Slope: 0.01141
Intercept : -0.00009

==========

Element: Hg Seq. No.: 5 AS Loc.: 5 Date: 08/14/2007
Sample ID: S5.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0585	0.2991	0.0591	11:19:44	Yes
2			0.0588	0.2998	0.0594	11:20:16	Yes
Mean:			0.0587				
SD :			0.0002				
%RSD:			0.4074				

[Hg] Standard number 4 applied. [5.00]
Correlation Coefficient: 0.99992 Slope: 0.01176
Intercept : -0.00031

==========

Element: Hg Seq. No.: 6 AS Loc.: 6 Date: 08/14/2007
Sample ID: S10.0

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.1186	0.6046	0.1192	11:21:10	Yes
2			0.1196	0.6076	0.1201	11:21:42	Yes
Mean:			0.1191				
SD :			0.0007				
%RSD:			0.5725				

[Hg] Standard number 5 applied. [10.00]
Correlation Coefficient: 0.99995 Slope: 0.01193
Intercept : -0.00052

Calibration data for Hg

Standard ID	Mean Signal (Pk Height)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
S0	0.0006	--	----	----	----
S0.2	0.0021	0.20	0.22	0.000	1.7
S1.0	0.0113	1.00	0.99	0.000	0.5
S2.0	0.0227	2.00	1.95	0.000	1.4
S5.0	0.0587	5.00	4.96	0.000	0.4
S10.0	0.1191	10.00	10.03	0.001	0.6

Correlation Coefficient: 0.99995 Slope: 0.01193 Intercept: -0.0005

Element: Hg Seq. No.: 7 AS Loc.: 7 Date: 08/14/2007
Sample ID: ICV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.99	1.99	0.0232	0.1194	0.0238	11:22:35	Yes
2	2.02	2.02	0.0235	0.1190	0.0241	11:23:07	Yes
Mean:	2.00	2.00	0.0234				
SD :	0.019	0.019	0.0002				
%RSD:	1.0	1.0	0.9930				

QC value within specified limits.

Element: Hg Seq. No.: 8 AS Loc.: 1 Date: 08/14/2007
Sample ID: ICB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.03	0.03	-0.0001	0.0016	0.0004	11:24:02	Yes
2	0.04	0.04	-0.0001	0.0016	0.0005	11:24:34	Yes
Mean:	0.03	0.03	-0.0001				
SD :	0.001	0.001	0.0000				
%RSD:	3.7	3.7	13.2581				

QC value within specified limits.

Element: Hg Seq. No.: 9 AS Loc.: 17 Date: 08/14/2007
Sample ID: CRA

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.21	0.21	0.0020	0.0125	0.0026	11:25:27	Yes
2	0.20	0.20	0.0019	0.0117	0.0025	11:25:59	Yes
Mean:	0.21	0.21	0.0019				
SD :	0.004	0.004	0.0001				
%RSD:	2.1	2.1	2.6856				

Element: Hg Seq. No.: 10 AS Loc.: 18 Date: 08/14/2007
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.37	4.37	0.0516	0.2609	0.0522	11:26:52	Yes
2	4.34	4.34	0.0513	0.2593	0.0519	11:27:24	Yes
Mean:	4.36	4.36	0.0515				
SD :	0.020	0.020	0.0002				
%RSD:	0.5	0.5	0.4744				

Element: Hg Seq. No.: 11 AS Loc.: 19 Date: 08/14/2007

Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.03	0.03	-0.0002	0.0021	0.0004	11:28:18	Yes
2	0.03	0.03	-0.0002	0.0017	0.0004	11:28:50	Yes
Mean:	0.03	0.03	-0.0002				
SD :	0.002	0.002	0.0000				
%RSD:	7.6	7.6	14.0067				

Element: Hg Seq. No.: 12 AS Loc.: 20 Date: 08/14/2007
Sample ID: MB-31666

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.02	0.02	-0.0003	0.0017	0.0003	11:29:43	Yes
2	0.02	0.02	-0.0003	0.0018	0.0003	11:30:15	Yes
Mean:	0.02	0.02	-0.0003				
SD :	0.001	0.001	0.0000				
%RSD:	5.8	5.8	4.2097				

Element: Hg Seq. No.: 13 AS Loc.: 21 Date: 08/14/2007
Sample ID: F1025-02B

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.02	0.02	-0.0003	0.0013	0.0002	11:31:07	Yes
2	0.01	0.01	-0.0004	0.0003	0.0002	11:31:39	Yes
Mean:	0.01	0.01	-0.0004				
SD :	0.002	0.002	0.0000				
%RSD:	15.2	15.2	7.0960				

Element: Hg Seq. No.: 14 AS Loc.: 22 Date: 08/14/2007
Sample ID: F1078-01B

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.03	0.03	-0.0001	0.0021	0.0004	11:32:32	Yes
2	0.03	0.03	-0.0002	0.0013	0.0004	11:33:04	Yes
Mean:	0.03	0.03	-0.0002				
SD :	0.003	0.003	0.0000				
%RSD:	9.0	9.0	18.9135				

Element: Hg Seq. No.: 15 AS Loc.: 23 Date: 08/14/2007
Sample ID: F1078-02B

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.02	0.02	-0.0002	0.0010	0.0003	11:33:56	Yes
2	0.03	0.03	-0.0002	0.0017	0.0004	11:34:28	Yes
Mean:	0.03	0.03	-0.0002				
SD :	0.004	0.004	0.0000				
%RSD:	15.2	15.2	22.8235				

Element: Hg Seq. No.: 16 AS Loc.: 24 Date: 08/14/2007
Sample ID: F1078-03B

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.14	0.14	0.0011	0.0072	0.0017	11:35:21	Yes
2	0.14	0.14	0.0012	0.0084	0.0018	11:35:53	Yes
Mean:	0.14	0.14	0.0012				

SD :	0.003	0.003	0.0000
%RSD:	2.4	2.4	3.5199

Element: Hg Seq. No.: 17 AS Loc.: 7 Date: 08/14/2007
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.47	4.47	0.0528	0.2714	0.0534	11:36:47	Yes
2	4.50	4.50	0.0532	0.2717	0.0537	11:37:19	Yes
Mean:	4.49	4.49	0.0530				
SD :	0.022	0.022	0.0003				
%RSD:	0.5	0.5	0.4871				

QC value within specified limits.

Element: Hg Seq. No.: 18 AS Loc.: 1 Date: 08/14/2007
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.04	0.04	0.0000	0.0028	0.0005	11:38:14	Yes
2	0.04	0.04	0.0000	0.0034	0.0006	11:38:46	Yes
Mean:	0.04	0.04	0.0000				
SD :	0.002	0.002	0.0000				
%RSD:	4.3	4.3	309.0951				

QC value within specified limits.

Element: Hg Seq. No.: 19 AS Loc.: 25 Date: 08/14/2007
Sample ID: F1078-04B

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.05	0.05	0.0001	0.0040	0.0006	11:39:42	Yes
2	0.05	0.05	0.0000	0.0032	0.0006	11:40:14	Yes
Mean:	0.05	0.05	0.0001				
SD :	0.001	0.001	0.0000				
%RSD:	3.0	3.0	28.5664				

Element: Hg Seq. No.: 20 AS Loc.: 26 Date: 08/14/2007
Sample ID: F1078-06B

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.12	0.12	0.0009	0.0067	0.0014	11:41:07	Yes
2	0.12	0.12	0.0009	0.0066	0.0014	11:41:39	Yes
Mean:	0.12	0.12	0.0009				
SD :	0.000	0.000	0.0000				
%RSD:	0.1	0.1	0.2027				

Element: Hg Seq. No.: 21 AS Loc.: 27 Date: 08/14/2007
Sample ID: F1078-07B

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.04	0.04	-0.0001	0.0023	0.0005	11:42:32	Yes
2	0.04	0.04	-0.0001	0.0025	0.0005	11:43:04	Yes
Mean:	0.04	0.04	-0.0001				
SD :	0.000	0.000	0.0000				
%RSD:	1.1	1.1	5.9509				

Element: Hg Seq. No.: 22 AS Loc.: 28 Date: 08/14/2007

Sample ID: F1078-08B

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.10	0.10	0.0007	0.0061	0.0013	11:43:57	Yes
2	0.10	0.10	0.0007	0.0055	0.0013	11:44:29	Yes
Mean:	0.10	0.10	0.0007				
SD :	0.001	0.001	0.0000				
%RSD:	0.7	0.7	1.2092				

Element: Hg Seq. No.: 23 AS Loc.: 29 Date: 08/14/2007
Sample ID: F1078-09B

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.01	0.01	-0.0004	-0.0002	0.0002	11:45:22	Yes
2	0.02	0.02	-0.0003	0.0013	0.0003	11:45:54	Yes
Mean:	0.02	0.02	-0.0003				
SD :	0.007	0.007	0.0001				
%RSD:	40.0	40.0	24.1044				

Element: Hg Seq. No.: 24 AS Loc.: 30 Date: 08/14/2007
Sample ID: F1078-09BDUP

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.01	0.01	-0.0004	0.0008	0.0002	11:46:47	Yes
2	0.01	0.01	-0.0004	0.0007	0.0002	11:47:19	Yes
Mean:	0.01	0.01	-0.0004				
SD :	0.001	0.001	0.0000				
%RSD:	9.6	9.6	3.4336				

Element: Hg Seq. No.: 25 AS Loc.: 31 Date: 08/14/2007
Sample ID: F1078-09BMS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.07	1.07	0.0122	0.0655	0.0128	11:48:12	Yes
2	1.06	1.06	0.0121	0.0645	0.0126	11:48:44	Yes
Mean:	1.06	1.06	0.0121				
SD :	0.007	0.007	0.0001				
%RSD:	0.7	0.7	0.6962				

Element: Hg Seq. No.: 26 AS Loc.: 32 Date: 08/14/2007
Sample ID: CRA

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.21	0.21	0.0020	0.0130	0.0026	11:49:39	Yes
2	0.21	0.21	0.0020	0.0127	0.0025	11:50:11	Yes
Mean:	0.21	0.21	0.0020				
SD :	0.002	0.002	0.0000				
%RSD:	1.1	1.1	1.3880				

Element: Hg Seq. No.: 27 AS Loc.: 7 Date: 08/14/2007
Sample ID: CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.50	4.50	0.0532	0.2738	0.0538	11:51:08	Yes
2	4.51	4.51	0.0532	0.2730	0.0538	11:51:40	Yes
Mean:	4.51	4.51	0.0532				

SD : 0.004 0.004 0.0000
%RSD:
QC value within specified limits.

Element: Hg Seq. No.: 28 AS Loc.: 1 Date: 08/14/2007
Sample ID: CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.04	0.04	-0.0001	0.0017	0.0005	11:52:35	Yes
2	0.03	0.03	-0.0001	0.0020	0.0005	11:53:07	Yes
Mean:	0.04	0.04	-0.0001				
SD :	0.001	0.001	0.0000				
%RSD:	1.6	1.6	6.7842				

QC value within specified limits.

Element: Hg Seq. No.: 29 AS Loc.: 33 Date: 08/14/2007
Sample ID: F1078-10B

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.01	0.01	-0.0004	-0.0007	0.0002	11:54:00	Yes
2	0.02	0.02	-0.0003	0.0013	0.0003	11:54:32	Yes
Mean:	0.01	0.01	-0.0004				
SD :	0.005	0.005	0.0001				
%RSD:	32.1	32.1	15.4150				

Element: Hg Seq. No.: 30 AS Loc.: 34 Date: 08/14/2007
Sample ID: F1078-11B

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.06	0.06	0.0002	0.0034	0.0007	11:55:24	Yes
2	0.06	0.06	0.0002	0.0038	0.0008	11:55:56	Yes
Mean:	0.06	0.06	0.0002				
SD :	0.002	0.002	0.0000				
%RSD:	2.9	2.9	10.8296				

Element: Hg Seq. No.: 31 AS Loc.: 35 Date: 08/14/2007
Sample ID: F1078-12B

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.02	0.02	-0.0003	0.0017	0.0003	11:56:49	Yes
2	0.02	0.02	-0.0003	0.0008	0.0002	11:57:21	Yes
Mean:	0.02	0.02	-0.0003				
SD :	0.004	0.004	0.0000				
%RSD:	22.4	22.4	16.1210				

Element: Hg Seq. No.: 32 AS Loc.: 36 Date: 08/14/2007
Sample ID: F1078-13B

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.36	0.36	0.0038	0.0238	0.0044	11:58:13	Yes
2	0.36	0.36	0.0038	0.0231	0.0043	11:58:45	Yes
Mean:	0.36	0.36	0.0038				
SD :	0.002	0.002	0.0000				
%RSD:	0.7	0.7	0.7638				

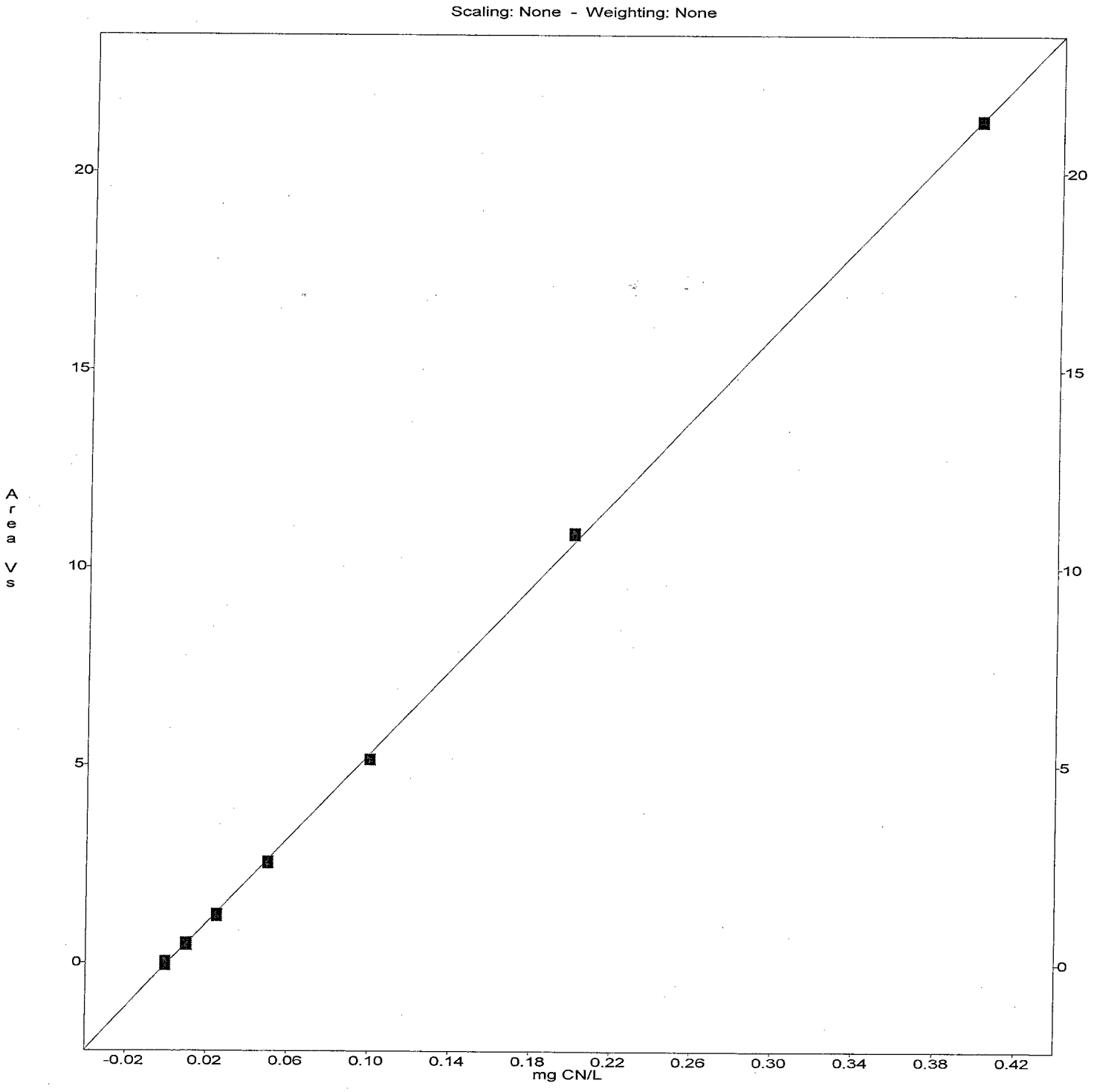
Element: Hg Seq. No.: 33 AS Loc.: 37 Date: 08/14/2007

8/9/07 ERS

CN LACHAT1-07080913

Lvl	Area	mg CN/L	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Replic % RSD	Residual 1st Poly
1	47905	0.000	47905	-60124				76387.9	-1250.3	
2	524042	0.010	524042	449312				52842.1	10.9	-5.8
3	1245080	0.025	1245080	1187983				40373.5	3.3	3.8
4	2570095	0.050	2570095	2529716				28552.4	1.1	2.3
5	5159209	0.100	5159209	5140945				12914.6	0.3	2.7
6	10840906	0.200	10840906	10896507				39315.8	0.4	-1.8
7	21293376	0.400	21293376	21338774				32101.2	0.2	0.2

1st Order Poly
Conc = 1.870e-008 Area + 7.751e-004
r = 0.9999



Printed: Thursday, August 09, 2007 - 04:28 PM

OPERATOR: bveilleux
ACQ. TIME: Aug 9, 2007 13:00:12
DATA FILENAME: C:\OMNION\DATA\CN\AUG07~1.DAT\C070809A.FDT
METHOD FILENAME: C:\OMNION\METHODS\CN\AUG07.MET\C070809A.MET
TRAY FILENAME: C:\OMNION\TRAYS\CN\AUG07.TRA\C070809A.TRA

TRAY DESCRIPTION:
Created: Aug 9, 2007 10:30:27
Modified: Aug 9, 2007 10:30:27
ANALYSIS: CYANIDE ANALYST: BV
DATA DESCRIPTION:
Created: Aug 9, 2007 13:00:12
Modified: Aug 9, 2007 13:00:12

Multi-Channel Table
Type: Calibration Standards
Channel Range: 1 to 8 -- Cup Range: 1 to 30

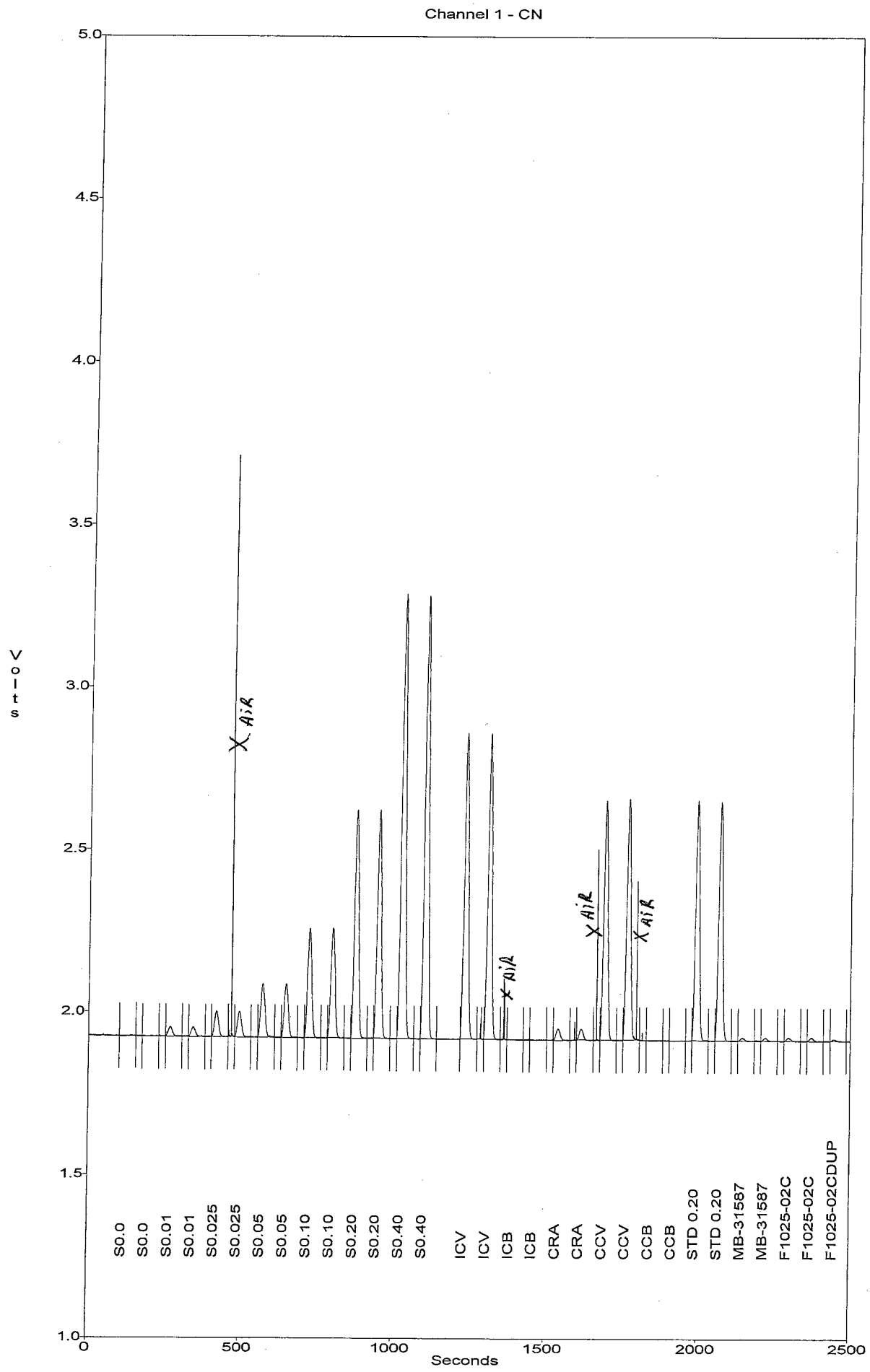
Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (uv-s)	Man Dil Factor	Weight	Unit
1	S0.0	09 Aug 2007	13:00:48	2	-6109.5000	1.0	1.00000	g
2	S0.01	09 Aug 2007	13:03:19	2	486677.0625	1.0	1.00000	g
3	S0.025	09 Aug 2007	13:05:50	2	1216531.1250	1.0	1.00000	g
4	S0.05	09 Aug 2007	13:08:22	2	2549905.3750	1.0	1.00000	g
5	S0.10	09 Aug 2007	13:10:54	2	5150077.0000	1.0	1.00000	g
6	S0.20	09 Aug 2007	13:13:26	2	10868706.5000	1.0	1.00000	g
7	S0.40	09 Aug 2007	13:15:58	2	21316075.0000	1.0	1.00000	g

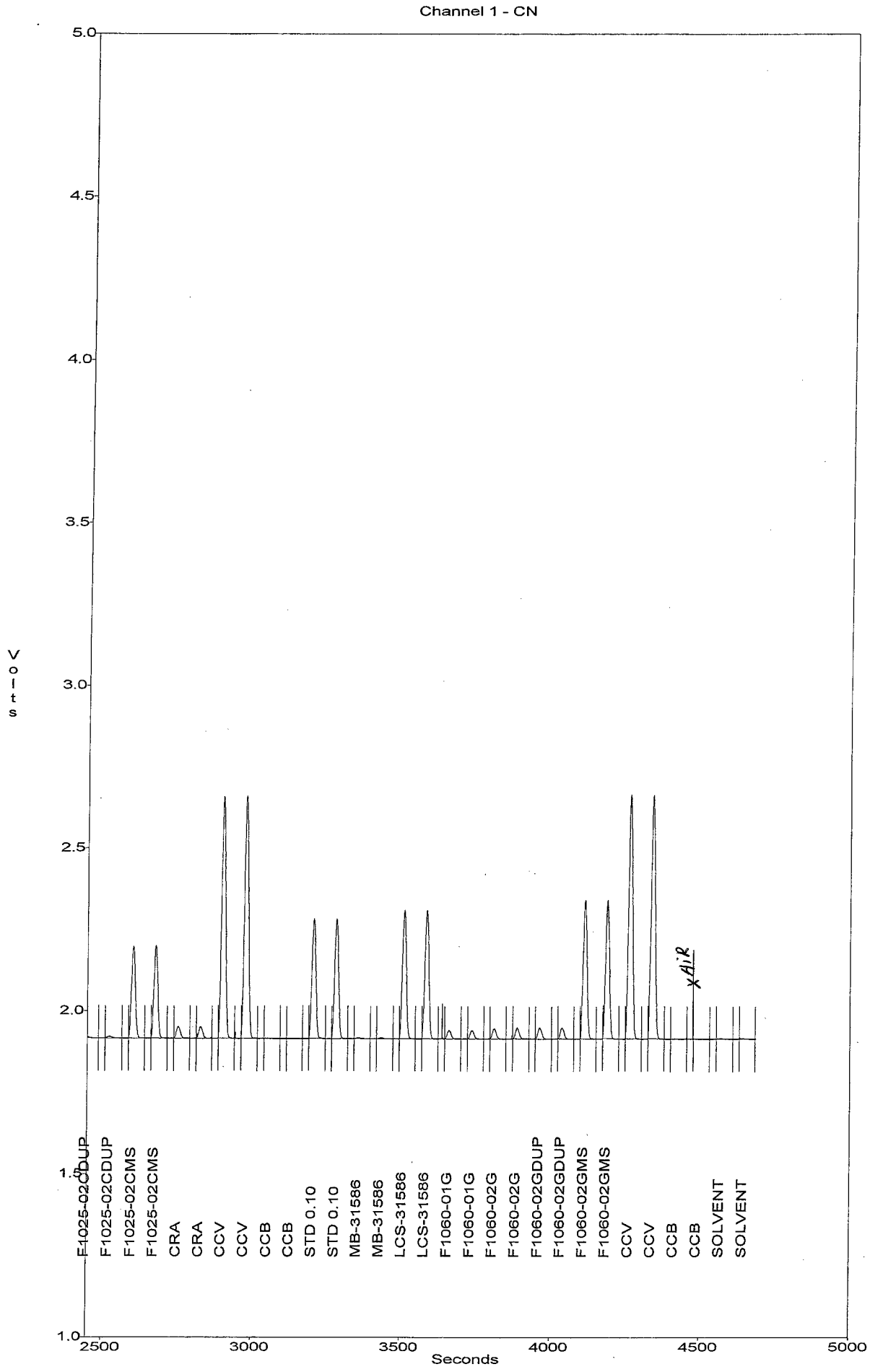
OPERATOR: bveilleux
ACQ. TIME: Aug 9, 2007 13:00:12
DATA FILENAME: C:\OMNION\DATA\CN\AUG07~1.DAT\C070809A.FDT
METHOD FILENAME: C:\OMNION\METHODS\CN\AUG07.MET\C070809A.MET
TRAY FILENAME: C:\OMNION\TRAYS\CN\AUG07.TRA\C070809A.TRA

TRAY DESCRIPTION:
Created: Aug 9, 2007 10:30:27
Modified: Aug 9, 2007 10:30:27
ANALYSIS: CYANIDE ANALYST: BV
DATA DESCRIPTION:
Created: Aug 9, 2007 13:00:12
Modified: Aug 9, 2007 13:00:12

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (mg CN/L)	Man Dil Factor	Weight Unit	
1	ICV	09 Aug 2007	13:19:27	2	0.2686	1.0	1.00000 g	107%
2	ICB	09 Aug 2007	13:21:59	2	0.0006	1.0	1.00000 g	
3	CRA	09 Aug 2007	13:24:31	2	0.0103	1.0	1.00000 g	103%
4	CCV	09 Aug 2007	13:27:01	2	0.2154	1.0	1.00000 g	108%
5	CCB	09 Aug 2007	13:29:33	2	0.0001	1.0	1.00000 g	
6	STD 0.20	09 Aug 2007	13:32:04	2	0.2092	1.0	1.00000 g	105%
7	MB-31587	09 Aug 2007	13:34:35	2	0.0032	1.0	1.00000 g	
8	F1025-02C	09 Aug 2007	13:37:07	2	0.0038	1.0	1.00000 g	RPD=0%
9	F1025-02CDUP	09 Aug 2007	13:39:39	2	0.0021	1.0	1.00000 g	
10	F1025-02CMS	09 Aug 2007	13:42:11	2	0.0813	1.0	1.00000 g	81%
11	CRA	09 Aug 2007	13:44:43	2	0.0109	1.0	1.00000 g	109%
12	CCV	09 Aug 2007	13:47:13	2	0.2156	1.0	1.00000 g	108%
13	CCB	09 Aug 2007	13:49:45	2	0.0003	1.0	1.00000 g	
14	STD 0.10	09 Aug 2007	13:52:16	2	0.1046	1.0	1.00000 g	105%
15	MB-31586	09 Aug 2007	13:54:48	2	0.0013	1.0	1.00000 g	
16	LCS-31586	09 Aug 2007	13:57:19	2	0.1128	1.0	1.00000 g	113%
17	F1060-01G	09 Aug 2007	13:59:51	2	0.0077	1.0	1.00000 g	
18	F1060-02G	09 Aug 2007	14:02:22	2	0.0096	1.0	1.00000 g	RPD=-9%
19	F1060-02GDUP	09 Aug 2007	14:04:54	2	0.0105	1.0	1.00000 g	
20	F1060-02GMS	09 Aug 2007	14:07:25	2	0.1196	1.0	1.00000 g	110%
21	CCV	09 Aug 2007	14:09:57	2	0.2162	1.0	1.00000 g	108%
22	CCB	09 Aug 2007	14:12:28	2	0.0009	1.0	1.00000 g	
23	SOLVENT	09 Aug 2007	14:15:00	2	0.0013	1.0	1.00000 g	


Channel 1 - CN
Volts
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0
500
1000
1500
2000
2500
Seconds
S0.0
S0.0
S0.01
S0.01
S0.025
S0.025
S0.05
S0.05
S0.10
S0.10
S0.20
S0.20
S0.40
S0.40
ICV
ICV
ICB
ICB
CRA
CRA
CCV
CCV
CCB
CCB
STD 0.20
STD 0.20
MB-31587
MB-31587
F1025-02C
F1025-02C
F1025-02CDUP
X Air
X Air
X Air
X Air


Channel 1 - CN
Volts
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
2500
3000
3500
4000
4500
5000
Seconds
F1025-02CDUP
F1025-02CDUP
F1025-02CMS
F1025-02CMS
CRA
CRA
CCV
CCV
CCB
CCB
STD 0.10
STD 0.10
MB-31586
MB-31586
LCS-31586
LCS-31586
F1060-01G
F1060-01G
F1060-02G
F1060-02G
F1060-02GDUP
F1060-02GDUP
F1060-02GMS
F1060-02GMS
CCV
CCV
CCB
CCB
SOLVENT
SOLVENT
Air

Creator: bveilleux
Creation Date: Aug 9, 2007 10:30:27
Last Modified: Aug 9, 2007 10:30:27
Description: ANALYSIS: CYANIDE ANALYST: BV

Cup #	Sample ID	Manual Dilution	Sample Type	
1	S0.0	1.0000	CalStd	
2	S0.01	1.0000	CalStd	
3	S0.025	1.0000	CalStd	
4	S0.05	1.0000	CalStd	
5	S0.10	1.0000	CalStd	
6	S0.20	1.0000	CalStd	
7	S0.40	1.0000	CalStd	
1	ICV	1.0000	Unknown	
2	ICB	1.0000	Unknown	
3	CRA	1.0000	Unknown	
4	CCV	1.0000	Unknown	
5	CCB	1.0000	Unknown	
6	STD 0.20	1.0000	Unknown	
7	MB-31587	1.0000	Unknown	
8	F1025-02C	1.0000	Unknown	
9	F1025-02CDUP	1.0000	Unknown	
10	F1025-02CMS	1.0000	Unknown	
11	CRA	1.0000	Unknown	
12	CCV	1.0000	Unknown	
13	CCB	1.0000	Unknown	
14	STD 0.10	1.0000	Unknown	
15	MB-31586	1.0000	Unknown	
16	LCS-31586	1.0000	Unknown	
17	F1060-01G	1.0000	Unknown	
18	F1060-02G	1.0000	Unknown	
19	F1060-02GDUP	1.0000	Unknown	
20	F1060-02GMS	1.0000	Unknown	
21	CCV	1.0000	Unknown	
22	CCB	1.0000	Unknown	
23	SOLVENT	1.0000	Unknown	

MITKEM CORPORATION SAMPLE RUN LOG: LACHAT INSTRUMENT

Date: 8/9/07 Analyst: BV

Analyses: Channel 1: CN Channel 2:

* results in mg/L

AS POS	Lab ID
1	S0.0
2	S0.01
3	S0.025
4	S0.05
5	S0.10
6	S0.20
7	S0.40
1	ICV
2	ICB
3	CRA
4	CCV
5	CCB
6	STD 0.20
7	MB-31587
8	F1025-02C
9	F1025-02CDUP
10	F1025-02CMS
11	CRA
12	CCV
13	CCB
14	STD 0.10
15	MB-31586

AS POS	Lab ID
16	LCS-31586
17	F1060-01G
18	F1060-02G
19	F1060-02GDUP
20	F1060-02GMS
21	CCV
22	CCB
23	SOLVENT
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	

AS POS	Lab ID
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	

AS POS	Lab ID
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
70	
71	

AS POS	Lab ID
72	
73	
74	
75	
76	
77	
78	
79	
80	
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86	
87	
88	
89	
90	
91	

8/9/07 BV

8/9/07 BV

8/9/07 BV

8/9/07 BV

*Report all results in mg/L

DATA FILE NAME C070809a

METHOD FILE NAME

TRAY FILE NAME

REPORT FILE NAME C070809a

Reagent Lots

Pyridine IR07072004

NaOH IR07072007

KH2PO4 IR07071106

Barbituric Acid IR07072004

Chloramine-T IR07080901

Other

Curve: IWW07080901

CRA: IWW07080903

CCV: IWW07080902

Curve on 8/9/07

m =

b =

r = 0.9999

Logbook ID 100.0144-07/07

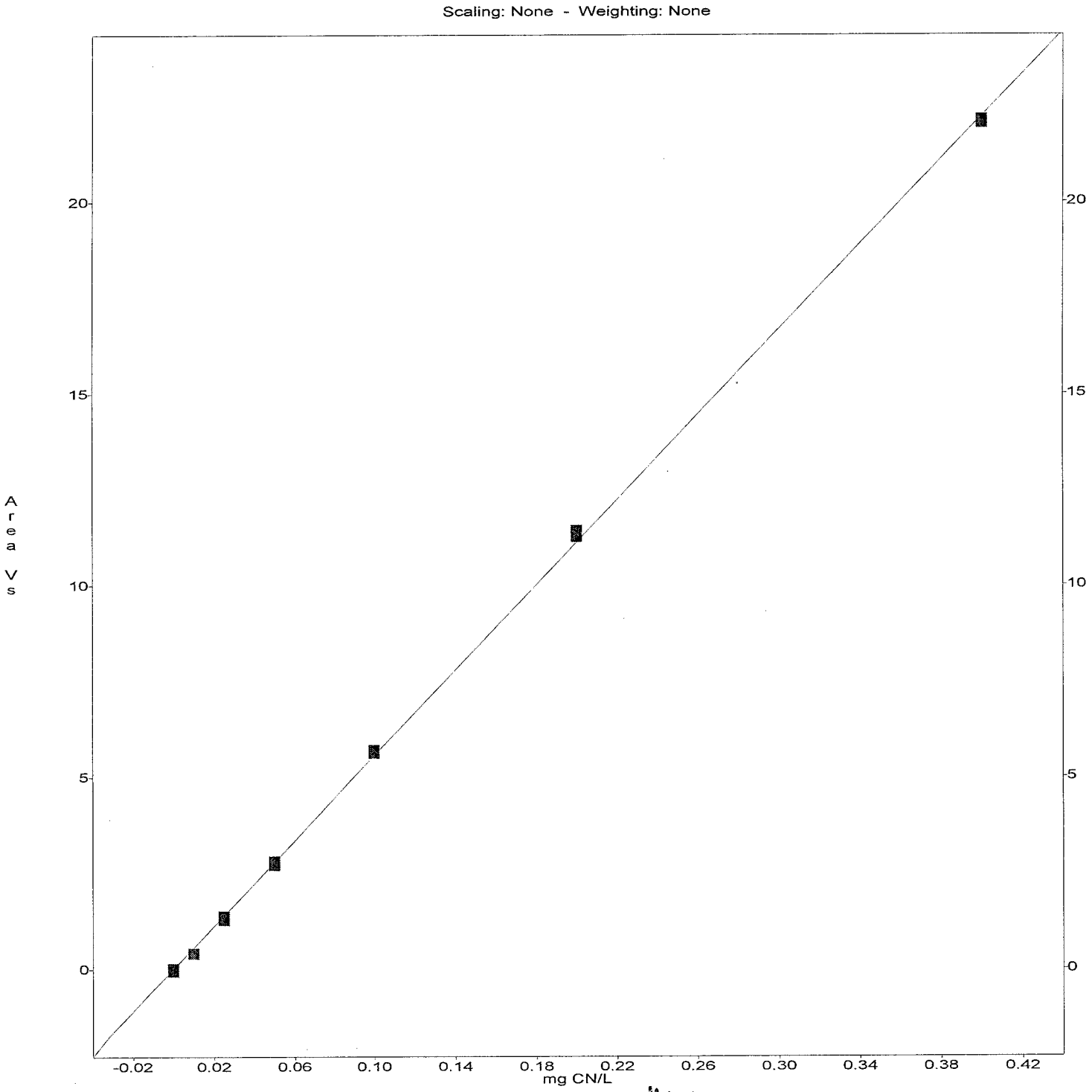
Reviewed by

ICM5.3_CN-S (ACHAT1-070731A 7/31/07 JH

CN

Lvl	Area	mg CN/L	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Replic % RSD	Residual 1st Poly
1	24063	0.000	24063	-51201				53219.6	-392.2	
2	419079	0.010	419079	423847				3371.4	0.8	28.3
3	1386729	0.025	1386729	1293836				65685.2	4.9	1.6
4	2713902	0.050	2713902	2808514				66900.8	2.4	3.0
5	5707378	0.100	5707378	5632667				52828.7	0.9	-2.4
6	11432177	0.200	11432177	11261850				120439.4	1.1	-2.7
7	22056726	0.400	22056726	22148720				65049.6	0.3	0.8

1st Order Poly
Conc = 1.801e-008 Area - 3.759e-004
r = 0.9998



Printed: Tuesday, July 31, 2007 - 12:07 PM

MK 8/01/07

0557

OPERATOR: bveilleux
ACQ. TIME: Jul 31, 2007 10:44:44
DATA FILENAME: C:\OMNION\DATA\CN\JULY07~1.DAT\C070731A.FDT
METHOD FILENAME: C:\OMNION\METHODS\CN\JULY07.MET\C070731A.MET
TRAY FILENAME: C:\OMNION\TRAYS\CN\JULY07.TRA\C070731A.TRA

TRAY DESCRIPTION:
Created: Jul 31, 2007 10:29:35
Modified: Jul 31, 2007 10:29:35
ANALYSIS: CYANIDE ANALYST: BV
DATA DESCRIPTION:
Created: Jul 31, 2007 10:44:44
Modified: Jul 31, 2007 10:44:44

Multi-Channel Table
Type: Calibration Standards
Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (uv-s)	Man Dil Factor	Weight	Unit
1	S0.0	31 Jul 2007	10:44:55	2	-13568.9287	1.0	1.00000	g
2	S0.01	31 Jul 2007	10:47:26	2	421462.8906	1.0	1.00000	g
3	S0.025	31 Jul 2007	10:49:58	2	1340282.5625	1.0	1.00000	g
4	S0.05	31 Jul 2007	10:52:29	2	2761207.7500	1.0	1.00000	g
5	S0.10	31 Jul 2007	10:55:01	2	5670022.0000	1.0	1.00000	g
6	S0.20	31 Jul 2007	10:57:32	2	11347013.5000	1.0	1.00000	g
7	S0.40	31 Jul 2007	11:00:04	2	22102723.0000	1.0	1.00000	g

OPERATOR: bveilleux
ACQ. TIME: Jul 31, 2007 10:44:44
DATA FILENAME: C:\OMNION\DATA\CN\JULY07~1.DAT\C070731A.FDT
METHOD FILENAME: C:\OMNION\METHODS\CN\JULY07.MET\C070731A.MET
TRAY FILENAME: C:\OMNION\TRAYS\CN\JULY07.TRA\C070731A.TRA

TRAY DESCRIPTION:
Created: Jul 31, 2007 10:29:35
Modified: Jul 31, 2007 10:29:35
ANALYSIS: CYANIDE ANALYST: BV
DATA DESCRIPTION:
Created: Jul 31, 2007 10:44:44
Modified: Jul 31, 2007 10:44:44

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (mg CN/L)	Man Dil Factor	Weight	Unit	
1	ICV	31 Jul 2007	11:03:33	2	0.2453	1.0	1.00000	g	98%
2	ICB	31 Jul 2007	11:06:04	2	-0.0011	1.0	1.00000	g	
3	CRI	31 Jul 2007	11:08:36	2	0.0105	1.0	1.00000	g	105%
4	CCV	31 Jul 2007	11:11:08	2	0.2165	1.0	1.00000	g	108%
5	CCB	31 Jul 2007	11:13:39	2	-0.0011	1.0	1.00000	g	
6	STD 0.2	31 Jul 2007	11:16:10	2	0.2008	1.0	1.00000	g	100%
7	MB-31448	31 Jul 2007	11:18:41	2	-0.0000	1.0	1.00000	g	
8	LCS-31448	31 Jul 2007	11:21:12	2	0.0093	10.0	1.00000	g	RERUN
9	F0981-07B	31 Jul 2007	11:23:44	2	0.0111	1.0	1.00000	g	
10	F0981-08B	31 Jul 2007	11:26:15	2	0.0002	1.0	1.00000	g	
11	F0981-09B	31 Jul 2007	11:28:46	2	0.0016	1.0	1.00000	g	
12	F0981-10B	31 Jul 2007	11:31:18	2	-0.0000	1.0	1.00000	g	
13	F0981-11B	31 Jul 2007	11:33:49	2	0.0006	1.0	1.00000	g	
14	CCV	31 Jul 2007	11:36:20	2	0.2150	1.0	1.00000	g	108%
15	CCB	31 Jul 2007	11:38:52	2	-0.0010	1.0	1.00000	g	
16	F0981-11BDUP	31 Jul 2007	11:41:24	2	0.0027	1.0	1.00000	g	RPD=0%
17	F0981-11BMS	31 Jul 2007	11:43:56	2	0.1047	1.0	1.00000	g	105%
18	F1025-01B	31 Jul 2007	11:46:28	2	0.0007	1.0	1.00000	g	
19	CRI	31 Jul 2007	11:49:00	2	0.0095	1.0	1.00000	g	95%
20	CCV	31 Jul 2007	11:51:31	2	0.2126	1.0	1.00000	g	106%
21	CCB	31 Jul 2007	11:54:01	2	0.0010	1.0	1.00000	g	
22	SOLVENT	31 Jul 2007	11:56:34	2	0.0000	1.0	1.00000	g	

OPERATOR: bveilleux
ACQ. TIME: Jul 31, 2007 12:20:49
DATA FILENAME: C:\OMNION\DATA\CN\JULY07~1.DAT\C070731B.FDT
METHOD FILENAME: C:\OMNION\METHODS\CN\JULY07.MET\C070731B.MET
TRAY FILENAME: C:\OMNION\TRAYS\CN\JULY07.TRA\C070731B.TRA

TRAY DESCRIPTION:
Created: Jul 31, 2007 12:13:53
Modified: Jul 31, 2007 12:13:53
ANALYSIS: CYANIDE ANALYST: BV
DATA DESCRIPTION:
Created: Jul 31, 2007 12:20:49
Modified: Jul 31, 2007 12:20:49

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (mg CN/L)	Man Dil Factor	Weight	Unit	
1	LCS-31448	31 Jul 2007	12:21:09	2	0.3061	10.0	1.00000	g	153%
2	CCV	31 Jul 2007	12:23:40	2	0.2017	1.0	1.00000	g	101%
3	CCB	31 Jul 2007	12:26:11	2	-0.0001	1.0	1.00000	g	
4	SOLVENT	31 Jul 2007	12:28:43	2	-0.0011	1.0	1.00000	g	

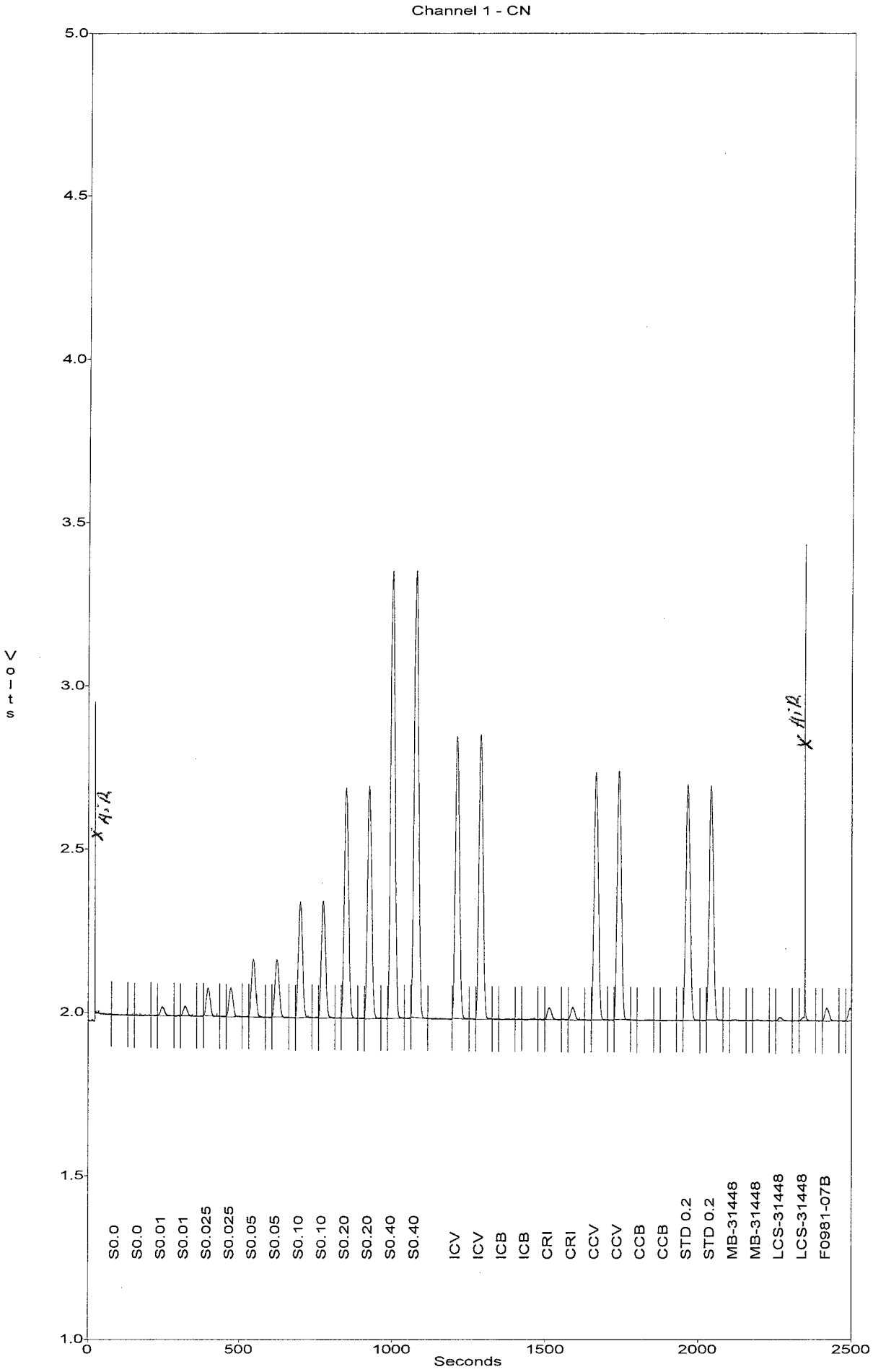
} ok - hcw

OPERATOR: bveilleux
ACQ. TIME: Jul 31, 2007 15:38:55
DATA FILENAME: C:\OMNION\DATA\CN\JULY07~1.DAT\C070731C.FDT
METHOD FILENAME: C:\OMNION\METHODS\CN\JULY07.MET\C070731C.MET
TRAY FILENAME: C:\OMNION\TRAYS\CN\JULY07.TRA\C070731C.TRA

TRAY DESCRIPTION:
Created: Jul 31, 2007 15:35:15
Modified: Jul 31, 2007 15:35:15
ANALYSIS: CYANIDE ANALYST: BV
DATA DESCRIPTION:
Created: Jul 31, 2007 15:38:55
Modified: Jul 31, 2007 15:38:55

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (mg CN/L)	Man Dil Factor	Weight	Unit	
1	LCS-31448	31 Jul 2007	15:39:16	2	0.2996	10.0	1.00000	g	148%
2	CRI	31 Jul 2007	15:41:48	2	0.0103	1.0	1.00000	g	103%
3	CCV	31 Jul 2007	15:44:19	2	0.2268	1.0	1.00000	g	113%
4	CCB	31 Jul 2007	15:46:50	2	-0.0004	1.0	1.00000	g	
5	SOLVENT	31 Jul 2007	15:49:21	2	-0.0008	1.0	1.00000	g	


Channel 1 - CN
Volts
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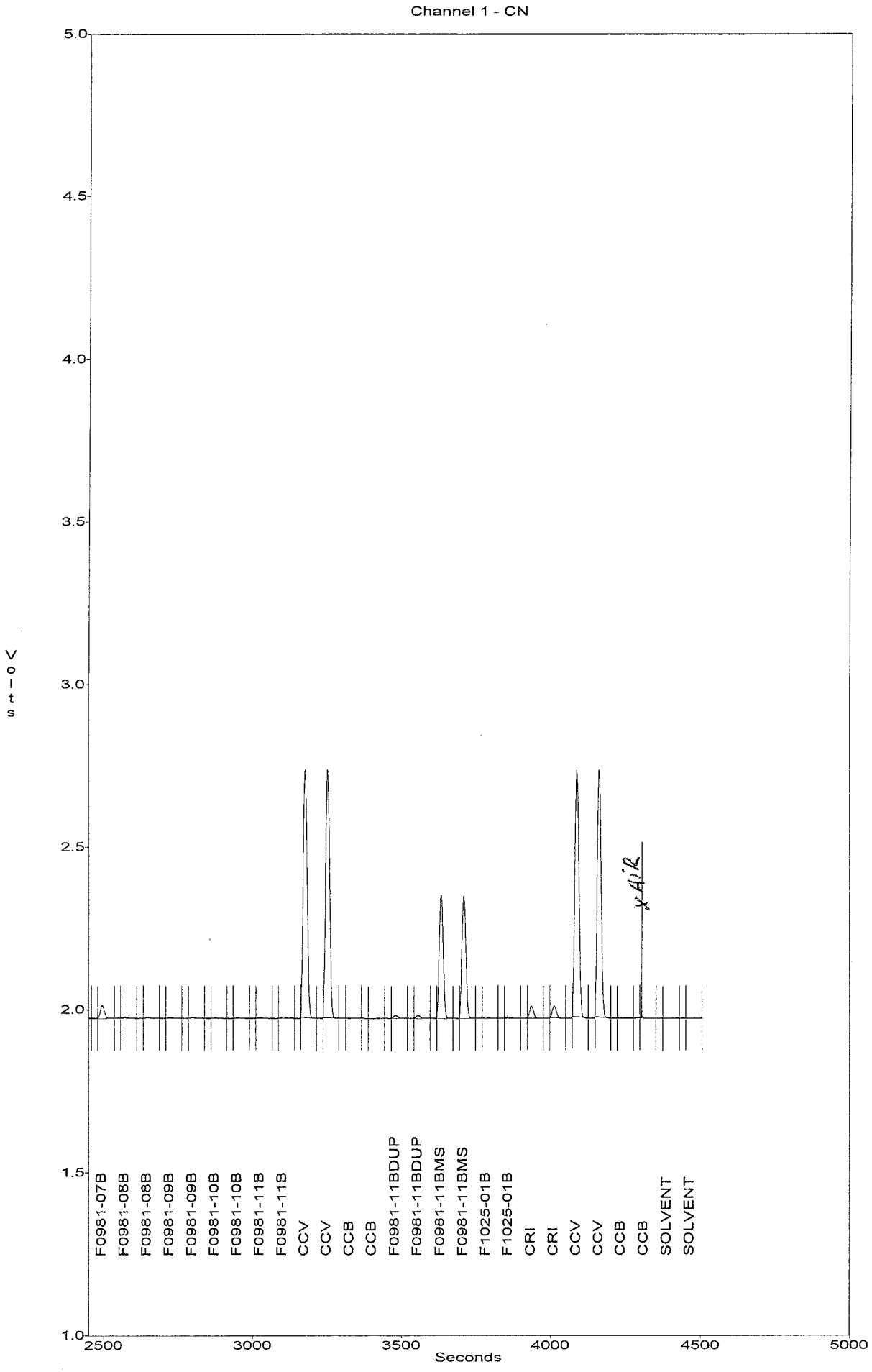
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0
500
1000
1500
2000
2500
Seconds
S0.0
S0.0
S0.01
S0.01
S0.025
S0.025
S0.05
S0.05
S0.10
S0.10
S0.20
S0.20
S0.40
S0.40
ICV
ICV
ICB
ICB
CRI
CRI
CCV
CCV
CCB
CCB
STD 0.2
STD 0.2
MB-31448
MB-31448
LCS-31448
LCS-31448
F0981-07B


Channel 1 - CN
Volts
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
2500
3000
3500
4000
4500
5000
Seconds
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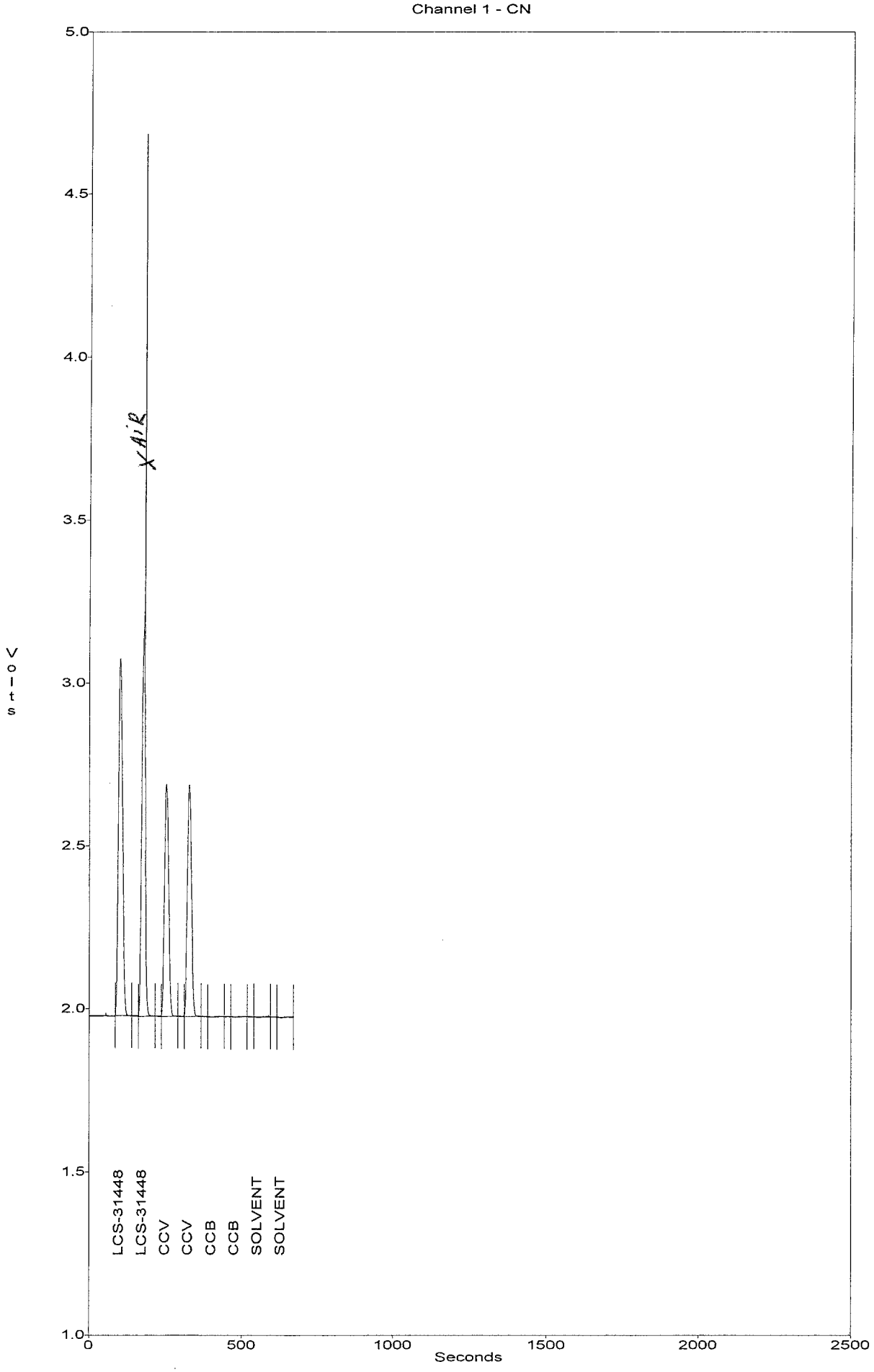
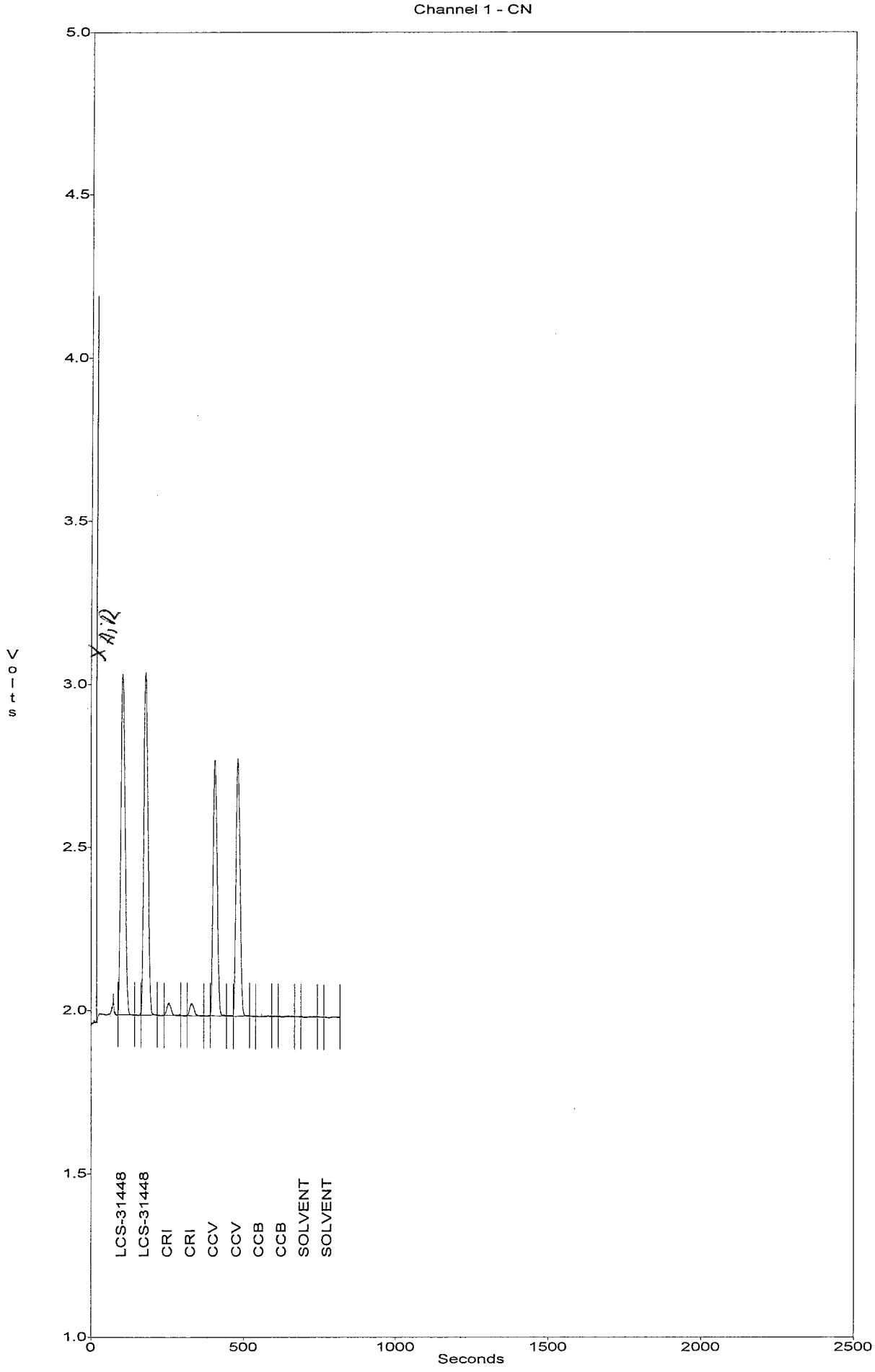
F0981-08B
F0981-08B
F0981-09B
F0981-09B
F0981-10B
F0981-10B
F0981-11B
F0981-11B
CCV
CCV
CCB
CCB
F0981-11BDUP
F0981-11BDUP
F0981-11BMS
F0981-11BMS
F1025-01B
F1025-01B
CRI
CRI
CCV
CCV
CCB
CCB
SOLVENT
SOLVENT
x AIR


Channel 1 - CN
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
Volts
0
500
1000
1500
2000
2500
Seconds
X Air
LCS-31448
LCS-31448
CCV
CCV
CCB
CCB
SOLVENT
SOLVENT


Channel 1 - CN
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
Volts
0
500
1000
1500
2000
2500
Seconds
LCS-31448
LCS-31448
CRI
CRI
CCV
CCV
CCB
CCB
SOLVENT
SOLVENT

Creator: bveilleux
Creation Date: Jul 31, 2007 10:29:35
Last Modified: Jul 31, 2007 10:29:35
Description: ANALYSIS: CYANIDE ANALYST: BV

Cup #	Sample ID	Manual Dilution	Sample Type	
1	S0.0	1.0000	CalStd	
2	S0.01	1.0000	CalStd	
3	S0.025	1.0000	CalStd	
4	S0.05	1.0000	CalStd	
5	S0.10	1.0000	CalStd	
6	S0.20	1.0000	CalStd	
7	S0.40	1.0000	CalStd	
1	ICV	1.0000	Unknown	
2	ICB	1.0000	Unknown	
3	CRI	1.0000	Unknown	
4	CCV	1.0000	Unknown	
5	CCB	1.0000	Unknown	
6	STD 0.2	1.0000	Unknown	
7	MB-31448	1.0000	Unknown	
8	LCS-31448	10.0000	Unknown	
9	F0981-07B	1.0000	Unknown	
10	F0981-08B	1.0000	Unknown	
11	F0981-09B	1.0000	Unknown	
12	F0981-10B	1.0000	Unknown	
13	F0981-11B	1.0000	Unknown	
14	CCV	1.0000	Unknown	
15	CCB	1.0000	Unknown	
16	F0981-11BDUP	1.0000	Unknown	
17	F0981-11BMS	1.0000	Unknown	
18	F1025-01B	1.0000	Unknown	
19	CRI	1.0000	Unknown	
20	CCV	1.0000	Unknown	
21	CCB	1.0000	Unknown	
22	SOLVENT	1.0000	Unknown	

Creator: bveilleux
Creation Date: Jul 31, 2007 12:13:53
Last Modified: Jul 31, 2007 12:13:53
Description: ANALYSIS: CYANIDE ANALYST: BV

Cup #	Sample ID	Manual Dilution	Sample Type	
1	S0.0	1.0000	CalStd	
2	S0.01	1.0000	CalStd	
3	S0.025	1.0000	CalStd	
4	S0.05	1.0000	CalStd	
5	S0.10	1.0000	CalStd	
6	S0.20	1.0000	CalStd	
7	S0.40	1.0000	CalStd	
1	LCS-31448	10.0000	Unknown	
2	CCV	1.0000	Unknown	
3	CCB	1.0000	Unknown	
4	SOLVENT	1.0000	Unknown	

Creator: bveilleux
Creation Date: Jul 31, 2007 15:35:15
Last Modified: Jul 31, 2007 15:35:15
Description: ANALYSIS: CYANIDE ANALYST: BV

Cup #	Sample ID	Manual Dilution	Sample Type	
1	S0.0	1.0000	CalStd	
2	S0.01	1.0000	CalStd	
3	S0.025	1.0000	CalStd	
4	S0.05	1.0000	CalStd	
5	S0.10	1.0000	CalStd	
6	S0.20	1.0000	CalStd	
7	S0.40	1.0000	CalStd	
1	LCS-31448	10.0000	Unknown	
2	CRI	1.0000	Unknown	
3	CCV	1.0000	Unknown	
4	CCB	1.0000	Unknown	
5	SOLVENT	1.0000	Unknown	

MITKEM CORPORATION SAMPLE RUN LOG: LACHAT INSTRUMENT

Date: 7/31/07 Analyst: BV

Analyses: Channel 1: cN⁻ Channel 2:

* results in mg/L

AS POS	Lab ID	AS POS	Lab ID	AS POS	Lab ID	AS POS	Lab ID	AS POS	Lab ID
1	S0.0	16	F0981-11BDUP	32		52		72	
2	S0.01	17	F0981-11BMS	33		53		73	
3	S0.025	18	F1025-01B	34		54		74	
4	S0.05	19	CRI	35		55		75	
5	S0.10	20	CCV	36		56		76	
6	S0.20	21	CCB	37		57		77	
7	S0.40	22	SOLVENT	38		58		78	
1	ICV	1	LCS-31448	39		59		79	
2	ICB	2	CRI	40		60		80	
3	CRI	3	CCV	41		61		81	
4	CCV	4	CCB	42		62		82	
5	CCB	5	SOLVENT	43		63		83	
6	STD 0.2	23		44		64		84	
7	MB-31448	24		45		65		85	
8	LCS-31448	25		46		66		86	
9	F0981-07B	26		47		67		87	
10	F0981-08B	27		48		68		88	
11	F0981-09B	28		49		69		89	
12	F0981-10B	29		50		70		90	
13	F0981-11B	30		51		71		91	
14	CCV	31							
15	CCB								

7/31/07 BV

7/31/07 BV

7/31/07 BV

*Report all results in mg/L

DATA FILE NAME c070731a,b,c

METHOD FILE NAME

TRAY FILE NAME

REPORT FILE NAME c070731a,b,c

Reagent Lots

Pyridine IR07072004

NaOH IR07072007

KH2PO4 IR07071106

Barbituric Acid IR07072004

Chloramine-T IR07073102

Other

Curve: IWW07073103

CRA: IWW07073105

CCV: IWW07073104

Curve on 7/31/07

m =

b =

r = 0.9998

Logbook ID 100.0144-07/07

Reviewed by

Prep Logbooks

- [x] ICP
- [x] Mercury
- [x] Cyanide
- [x] Percent Solids

ICM 5.3 Ag 10.30

MITKEM CORPORATION: Aqueous Metals Preparation Logbook

F1025

Date	Sample ID		Client ID	Sample Vol (ml)	pH	Sample Color Before	Clarity Before	Conc. HNO_3 (ml)	Conc. HCl (ml)	1:1 HCl (ml)	Sample Color After	Sample Clarity After	Final Volume (ml)	Comments	Analyst
8/13/07	MB 31667			50	–	colorless	clear	0.5	2.5	–	colorless	clear	50		
	LCS			50	–	colorless	clear				colorless	clear	50		NJS
	F1025	02B	OTMI-RB	50	2	colorless	clear				colorless	clear	50		
	F1078	01B	OTMI-MWBR-6	50	2	colorless	clear ~~cloudy NJS 8/13/07~~				colorless	clear	50		
		02B	OTMI-MWBR-6D	50	2	Colorless ~~grey NJS 8/13/07~~	clear				colorless	clear	50		
		03B	OTMI-MWBR-3	50	2	grey	cloudy				colorless	cloudy	50		
		04B	OTMI-MWBR-1	50	2	grey	cloudy				colorless	cloudy	50		
		~~05B~~		~~50~~	~~NJS 8/13/07~~						colorless	clear	50		
		06B	OTMI-MW1-1	50	2	Brown	cloudy				light brown	cloudy	50		
		07B	OTMI-MWBR-5	50	2	grey	clear				colorless	cloudy	50		
		08B	OTMI-MWBR4	50	2	grey	cloudy				light brown	cloudy	50		
		09B	OTMI-MWBR-9	50	2	colorless	clear				colorless	clear	50		
		09BMS	OTMI-MWBR-9	50	2	colorless	clear				colorless	clear	50		
		09BMSD	OTMI-MWBR-9	50	2	colorless	clear				colorless	clear	50		
		10B	OTMI-MWBR-9D	50	2	colorless	clear				colorless	clear	50		
8/13/07	F1078	11B	OTMI-MW1-4	50	2	brown	cloudy	0.5	2.5	–	colorless	clear	50		NJS

HCl Lot# 4107040

HNO3 Lot# 110622

Method: ICM 5.3

Digestion Temp: 95 oC

LCSS/Spike ID: I070633N - 450ul / I070501A; I060925E - 45ul / I070122I; I060925F / I070122J; 500ul

SOP#: _____

Digestate Relinquished to: JMS 8/17/07

Logbook ID 100.0125 -07/07

REVIEWED BY: _____

ILM 5.3 s.1 9:30

MITKEM CORPORATION: Soil/Solid Metals Prep Logbook

F1025

Date	Sample ID		Client ID	Sample Wt. (g)	Sample Color Before	Texture	1:1 HNO_3 ml	Conc. HNO_3 ml	30% H_2O_2 ml	Conc. HCl ml	Sample Color After	Sample Clarity After	Final Volume ml	Comments	Analyst
8/13/07	MB-31670			—	—	—	10	5	10	5	colorless	clear	100		NJ
↓	LCS			1.00	brown	fine	↓	↓	↓	↓	yellow	clear	100		↓
	F1025	01B	OTMI-MW-BR11	1.10	brown	mixed					yellow	clear	100		
	F1025	01BDup	OTMI-MW-BR11	1.10	brown	mixed					yellow	clear	100		
8/13/07	F1025	01BMS	OTMI-MW-BR11	1.10	brown	mixed	10	5	10	5	yellow	clear	100		NJ

NJ 8/13/07

HCl Lot# 4107040

HNO3 Lot# 1106188

H2O2 Lot# 062283

Method: ILM 5.3

SOP#:

Digestion Temp: 95 oC

LCS/Spike Lot No.: I070141I, I070140A, I070133J, I070501A } 200.7

RELINQUISHED TO: JM 8/13/07

Reviewed By:

Logbook ID 100.0124-07/07

ILM 5.3 Ag

MITKEM CORPORATION: Mercury Digestion Logbook

F1025

Date	Bottle No.	Sample ID		Client ID	Sample Vol (ml)/ Wt (g)	Reagents Added: Conc. H_2SO_4 (ml)	Conc. HNO_3 (ml)	5% $KMnO_4$ (ml)	5% K_2SO_4 (ml)	Aqua-regia (ml)	Final Volume (ml)	Comments	Analyst
8/13/07	157	S 0.0			100	5	2.5	15	8	—	100		NJ
	334	S 0.3			0.04/100						100	II070730A	
	320	S 1.0			0.2/100						100		
	313	S 2.0			0.4/100						100		
	303	S 5.0			1.0/100						100		
	73XY	S 10.0			2.0/100						100	II070730A	
	22B	ICV			1.0/100						100	II070802B	
	204	MB 31666			100						100		
	319	F1025	02B	OTM1-RB	100						100		
	140N	F1078	01B	OTM1-MWBR-6	100						100		
	313A		03B	OTM1-MWBR-6-1	100						100		
	199		03B	OTM1-MWBR-3	100						100		
	7P		04B	OTM1-MWBR-1	100						100		
	141N		06B	OTM1-MW1-1	100						100		
	3250		07B	OTM1-MWBR-5	100						100		
8/13/07	262	F1078	06B	OTM1-MWBR-4	100	5	2.5	15	8	—	100		NJ

Waters
In: 13:05
Out: 15:05
Matrix: Aqueous

Soils
In: _____ Out: _____
In: _____ W/A Out: _____
Matrix: Soil/Solid

LCSS ID: —
LCSS volume: —
Spike ID: II070730A
Spike volume: 200 ul

Temp: 25 °C
H_2SO_4 Lot # 310611-0
HNO_3 Lot # 1106H-2
HCl Lot # —
KMnO4 ID # IR07072404
K2S2O8 ID# IR07072407
Method # ILM 5.3 Ag

RELINQUISHED TO: JMW 8/13/07

Reviewed by: _____

11m 5.3 So.1

MITKEM CORPORATION: Mercury Digestion Logbook

F1025

Date	Bottle No.	Sample ID		Client ID	Sample Vol (ml)/ Wt (g)	Reagents Added: Conc. H_2SO_4 (ml)	Conc. HNO_3 (ml)	5% $KMnO_4$ (ml)	5% K_2SO_4 (ml)	Aqua-regia (ml)	Final Volume (ml)	Comments	Analyst
8/13/07	1P	MB-31665			100	5	2.5	15	8	—	100		NJ
	31BR	LCS			0.2						100		
	32E	F1025	01B	OTM1-MW-BR11	0.24						100		
	195	F1025	01BDUP	OTM1-MW-BR11	0.24						100		
8/13/07	320 MS	F1025	01BMS	OTM1-MW-BR11	0.24	5	2.5	15	8	—	100		NJ

NJ 8/13/07

Waters
In: —
Out: N/A
Matrix: Aqueous

Soils
In: 11:25 Out: 11:27
In: 11:35 Out: 12:05
Matrix: Soil/Solid

LCSS ID I070410A
LCSS volume:
Spike ID II070730A
Spike volume: 400 µL

Temp: 95 °C
H_2SO_4 Lot # 310618
HNO_3 Lot # 110618
HCl Lot # —
KMnO4 ID # IR07078404
K2S2O8 ID# IR07078407
Method # 11m 5.3 SOP

RELINQUISHED TO: JMW 8/13/07

Reviewed by:

MITKEM CORPORATION: CYANIDE DISTILLATION LOGBOOK

Date: 7/30/07 Time On: 9:20/11:55 Time Off: 11:20/13:55 Analyst: RV

Place #	Lab ID		Sample Vol (ml) Weight (g)	Sample pH	Pb Ac Paper (Y/N)	O.1N NaAsO2 (ml)	KI Test (Y/N)	4N Sulfamic Acid (ml)	50% H2SO4	2.5M MgCl2 (ml)	Final Volume
1	ICV		50	-	N	-	N	0.5	5	2	50
2	STD 0.20		50								50
3	MB-31448		50								50
4	LCS-31448		1.01								50
5	F0981	07B	1.07								50
6		08B	1.09								50
7		09B	1.07								50
8		10B	1.11								50
9		11B	1.06								50
10		11BDUP	1.06								50
1	F0981	11BMS	1.06								50
2	F1025	01B	1.13	-	N	-	N	0.5	5	2	50
3											50
4											50
5					7/30/07 RV						50
6											50
7											50
8											50
9											50
10											50

Sulfamic Acid: IR07040401

Na_2AsO_2: _____

H_2SO_4: IR07071708

Logbook ID: 100.0169-03/07

$MgCl_2$: IR07072002

Cad. Carbonate: _____

Temp: 125°C

LCS ID: IWP060821F

LCS volume: 1.00gr.

Spike ID: IWI07070501

Spike volume: 500ml

ICV ID: IWW07072301

Std.0.2: IWW07071901

Reviewed By: _____

MITKEM CORPORATION: CYANIDE DISTILLATION LOGBOOK

Date: 8/7/07 Time On: 9:10/11:45 Time Off: 11:10/13:45 Analyst: BV

Place #	Lab ID		Sample Vol (ml) Weight (g)	Sample pH	Pb Ac Paper (Y/N)	O.IN NaAsO2 (ml)	KI Test (Y/N)	4N Sulfamic Acid (ml)	50% H2SO4	2.5M MgCl2 (ml)	Final Volume
1	ICV		50	—	N	—	N	0.5	5	2	50
2	Std 0.10		50	—							50
3	comm. MB- 31586		50	—							50
4	LCS-		50	—							50
5	F1060	01G	50	~14							50
6		02G	50	~14							50
7		02GDUP	50	~14							50
8	F1060	02GMS	50	~14							50
9	Std 0.20		50	—							50
10	MB- 31587		50	—							50
1	F1025	02C	50	~14							50
2	F1025	02CDUP	50	~14							50
3	F1025	02CMS	50	~14	N	—	N	0.5	5	2	50
4											50
5											50
6											50
7											50
8											50
9											50
10											50

8/8/07 BV

Sulfamic Acid: IR07040401

NaAsO2: —

H2SO4: IR07071708

Lot # of SOP: 100.169-03/07

MgCl2: IR07072002

Cad. Carbonate: —

Temp: 125°C

Reviewed By: _____

LCS ID: IWW07073106

LCS volume: 50ml

COMM Spike ID: IWI07073102

Spike volume: 500ml

ICV ID: IWW07073107

ILMS1 SPK ID: IWI07073101 500ml

Std.0.2: IWW07073109

Std 0.1: IWW07073108

0676

Percent Moisture and Percent Solids Report

Mitkem Sample ID	*Client Sample ID*	*Analyzed*	*Percent Moisture*	*Percent Solids*	*Validated*
F1025-01A	*OTMI-MW-BR11*	08/01/2007	13	87	Yes

Last Page of Data Report