Mitkem Corporation

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

Project Name : Old Troy Landfill -- 002699.ID09.03 **SDG :** F1105

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
MWOB-02	F1105-01	OLM4.2_VOA_W			ILM5.3_HG_W	
MWOB-02	F1105-01				ILM5.3_ICP_W	
TB04	F1105-02	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 :** F1105

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_VOA_W					
F1105-01A	AQ	8/9/2007	8/10/2007	NA	8/18/2007
F1105-01ADL	AQ	8/9/2007	8/10/2007	NA	8/20/2007
F1105-02A	AQ	8/9/2007	8/10/2007	NA	8/20/2007

Mitkem Corporation

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

Project Name : Old Troy Landfill -- 002699.ID09.03 **SDG :** F1105

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLM4.2_VOA_W					
F1105-01A	AQ	OLM4.2_VOA_W	NA	LOW	1
F1105-01ADL	AQ	OLM4.2_VOA_W	NA	LOW	500
F1105-02A	AQ	OLM4.2_VOA_W	NA	LOW	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 :** F1105

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
ILM5.3_HG_W				
F1105-01B	AQ	ILM5.3_HG_W	8/10/2007	8/14/2007
ILM5.3_ICP_W				
F1105-01B	AQ	ILM5.3_ICP_W	8/10/2007	8/24/2007

Analytical Data Package for Ecology & Environment, Inc.

Client Project No.: Old Troy Municipal Incinerator Site

Mitkem Work Order ID: F1105

August 31, 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 two aqueous samples that were received on August 10, 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:

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

Trap used for instruments V2/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 hydrochloric acid preserved, pH <2.

Surrogate recovery: recoveries were within the QC limits with the exception of toluene-d8 in sample MWOB-02.

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

Sample analysis: due to high concentration of target analytes detected, sample OTMI-MWOB-02 was re-analysis at 500X dilution. No other unusual observation was made for the analysis.

3. 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.

Sample analysis: serial dilution was performed on sample MWOB-02. Percent recoveries of all elements are within the QC limits with the exception of lead. This element is flagged with an "E" on the data reporting forms. No other 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
08/31/07

ALKANE NARRATIVE REPORT
Report date : 08/29/2007
SDG: MF1105

Client Sample ID: MWOB-02 Lab Sample ID: F1105-01A File ID: V5H9692

Compound	RT	Est. Conc.	Q
Straight-chain Alkane	4.00	68	J

*Mitkem and Client Sample ID Summary Report**

Mitkem Workorder: F1105

Client Name: Ecology and Environm

Mitkem Sample ID	*Reported Client Sample ID*	*Full Client Sample ID*
F1105-01A	MWOB-02	OTMI-MWOB-02
F1105-01B	MWOB-02	OTMI-MWOB-02
F1105-02A	TB04	OTMI-TB04

** 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

31/Aug/07 16:13

WorkOrder: F1105

Client ID: ENE
Project: Old Troy Landfill
Location: 002699.ID09.03
Comments: N/A

Case:
SDG:
PO: 002699.ID09.03

Report Level: ASP-B
EDD: ADAPT
HC Due: 09/04/07
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F1105-01A	MWOB-02	08/09/2007 11:45	08/10/2007	Aqueous	OLM4.2_VOA_W	OLM, NYS--ADD LCS	☐	☐	☐	VOA
F1105-01B	MWOB-02	08/09/2007 11:45	08/10/2007	Aqueous	ILM5.3_HG_W	ILM5.3	☐	☐	☐	M1
					ILM5.3_ICP_W	ILM5.3	☐	☐	☑	M1
F1105-02A	TB04	08/09/2007 12:00	08/10/2007	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 and Environment	PHONE 716 684-8060		COMPANY Ecology and Environment	PHONE 716 684-8060	LAB PROJECT #:
NAME Jon Nickerson	FAX		NAME 368 Pleasantview Dr	FAX	F1105
ADDRESS 368 Pleasantview Dr			ADDRESS		TURNAROUND*TIME:
CITY/ST/ZIP Lancaster, NY 14086			CITY/ST/ZIP Lancaster, NY 14086		

CLIENT PROJECT NAME: Old Troy Municipal Incinerator

CLIENT PROJECT #:

CLIENT P.O.#:

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	TCL VOC	TAL METALS + Hg	PCB/PEST	SVOC	CN	COMMENTS
OTMI-MWBL-11	8/9/07 1230			✓				7	✓	✓	✓	✓	✓	
OTMI-MW03S02	8/9/07 1445			✓			01	3	✓	✓				
OTMI-TB4	8/9/07 1200			✓			02	2	✓					
	/													
	/													
	/													
	/													
	/													
	/													
	/													
	/													
	/													

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	[signature]	8/9/07 1345	Derrick DeCarlo	8/10/07 8:50		2°C
		/		/		
		/		/		

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

MITKEM CORPORATION
Sample Condition Form

Received By: DKD | Reviewed By: JH | Date: 8/10/07 | MITKEM Workorder #: F1105

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 2°C
Coolant Condition ice

6) Airbill(s) (Present) / Absent
Airbill Number(s) FedEx
861647196225

7) Sample Bottles (Intact)/Broken/Leaking

8) Date Received 8/10/07

9) Time Received 8:50

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"
F1105	01	<2				H	
F1105	02					H	

DKD 8/10/07

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.: MF1105

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKK5	92	87	101		0
02	MWOB-02	52*	98	103		1
03	VBLKZ2	98	102	93		0
04	VZ2LCS	98	115	93		0
05	MWOB-02DL	97	99	89		0
06	TB04	99	96	92		0
07	VBLK2A	94	87	100		0
08	VHBLK2A	93	93	100		0
09						
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12						
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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

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix Spike - Sample No.: VZ2LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		53	106	61-145
Benzene	50		52	104	76-127
Trichloroethene	50		52	104	71-120
Toluene	50		53	106	76-125
Chlorobenzene	50		55	110	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: _____

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKZ2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Lab File ID: V2J8893 Lab Sample ID: MB-31777

Date Analyzed: 08/20/07 Time Analyzed: 1043

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

Instrument ID: V2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VZ2LCS	LCS-31777	V2J8894	1112
02	MWOB-02DL	F1105-01ADL	V2J8910	1846
03	TB04	F1105-02A	V2J8911	1914
04				
05				
06				
07				
08				
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COMMENTS: _____

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLKK5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Lab File ID: V5H9689 Lab Sample ID: MB-31767

Date Analyzed: 08/17/07 Time Analyzed: 2304

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	MWOB-02	F1105-01A	V5H9692	0024
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
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COMMENTS: _____

0014

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK2A

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Lab File ID: V2J8918 Lab Sample ID: MB-31778

Date Analyzed: 08/20/07 Time Analyzed: 2232

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

Instrument ID: V2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VHBLK2A	VHBLK2A	V2J8919	2301
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
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COMMENTS: _____

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Lab File ID: V2J8850 BFB Injection Date: 08/18/07

Instrument ID: V2 BFB Injection Time: 1013

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	23.5
75	30.0 - 66.0% of mass 95	47.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.3 (0.4)1
174	50.0 - 120.0% of mass 95	77.1
175	4.0 - 9.0% of mass 174	5.6 (7.3)1
176	93.0 - 101.0% of mass 174	74.2 (96.2)1
177	5.0 - 9.0% of mass 176	5.2 (7.0)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	VSTD0502X	VSTD0502X	V2J8851	08/18/07	1046
02	VSTD0202X	VSTD0202X	V2J8852	08/18/07	1115
03	VSTD0102X	VSTD0102X	V2J8853	08/18/07	1146
04	VSTD2002X	VSTD2002X	V2J8855	08/18/07	1242
05	VSTD1002X	VSTD1002X	V2J8856	08/18/07	1310
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22					

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Lab File ID: V2J8890 BFB Injection Date: 08/20/07

Instrument ID: V2 BFB Injection Time: 0931

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.2
75	30.0 - 66.0% of mass 95	44.0
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	80.3
175	4.0 - 9.0% of mass 174	5.7 (7.1)1
176	93.0 - 101.0% of mass 174	79.7 (99.2)1
177	5.0 - 9.0% of mass 176	5.4 (6.8)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	VSTD0502Z	VSTD0502Z	V2J8891	08/20/07	0946
02	VBLKZ2	MB-31777	V2J8893	08/20/07	1043
03	VZ2LCS	LCS-31777	V2J8894	08/20/07	1112
04	MWOB-02DL	F1105-01ADL	V2J8910	08/20/07	1846
05	TB04	F1105-02A	V2J8911	08/20/07	1914
06					
07					
08					
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22					

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Lab File ID: V2J8916 BFB Injection Date: 08/20/07

Instrument ID: V2 BFB Injection Time: 2136

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	21.6
75	30.0 - 66.0% of mass 95	44.2
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	78.2
175	4.0 - 9.0% of mass 174	5.6 (7.2)1
176	93.0 - 101.0% of mass 174	75.8 (97.0)1
177	5.0 - 9.0% of mass 176	5.0 (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	VSTD0502A	VSTD0502A	V2J8917	08/20/07	2204
02	VBLK2A	MB-31778	V2J8918	08/20/07	2232
03	VHBLK2A	VHBLK2A	V2J8919	08/20/07	2301
04					
05					
06					
07					
08					
09					
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11					
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5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Lab File ID: V5H9620 BFB Injection Date: 08/16/07

Instrument ID: V5 BFB Injection Time: 1623

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.6
75	30.0 - 66.0% of mass 95	45.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	100.3
175	4.0 - 9.0% of mass 174	5.7 (5.7)1
176	93.0 - 101.0% of mass 174	94.7 (94.4)1
177	5.0 - 9.0% of mass 176	6.1 (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	VSTD050H5	VSTD050H5	V5H9621	08/16/07	1743
02	VSTD020H5	VSTD020H5	V5H9622	08/16/07	1810
03	VSTD010H5	VSTD010H5	V5H9623	08/16/07	1837
04	VSTD200H5	VSTD200H5	V5H9625	08/16/07	1930
05	VSTD100H5	VSTD100H5	V5H9626	08/16/07	1957
06					
07					
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09					
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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.: MF1105

Lab File ID: V5H9687 BFB Injection Date: 08/17/07

Instrument ID: V5 BFB Injection Time: 2211

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.4
75	30.0 - 66.0% of mass 95	45.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.0
173	Less than 2.0% of mass 174	0.4 (0.4)1
174	50.0 - 120.0% of mass 95	97.1
175	4.0 - 9.0% of mass 174	5.1 (5.2)1
176	93.0 - 101.0% of mass 174	91.4 (94.2)1
177	5.0 - 9.0% of mass 176	6.0 (6.5)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	VSTD050K5	VSTD050K5	V5H9688	08/17/07	2237
02	VBLKK5	MB-31767	V5H9689	08/17/07	2304
03	MWOB-02	F1105-01A	V5H9692	08/18/07	0024
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
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.: MF1105

EPA Sample No. (VSTD050##): VSTD0502Z Date Analyzed: 08/20/07

Lab File ID (Standard): V2J8891 Time Analyzed: 0946

Instrument ID: V2 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	70420	5.52	338233	6.64	315904	10.23
	UPPER LIMIT	140840	6.02	676466	7.14	631808	10.73
	LOWER LIMIT	35210	5.02	169117	6.14	157952	9.73
	EPA SAMPLE						
01	VBLKZ2	64114	5.52	295443	6.65	274290	10.24
02	VZ2LCS	62083	5.51	293714	6.64	267165	10.24
03	MWOB-02DL	69140	5.52	297984	6.65	289317	10.24
04	TB04	64474	5.51	290030	6.64	275447	10.23
05							
06							
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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.: MF1105

EPA Sample No. (VSTD050##): VSTD0502A Date Analyzed: 08/20/07

Lab File ID (Standard): V2J8917 Time Analyzed: 2204

Instrument ID: V2 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	65169	5.52	295795	6.64	274103	10.24
	UPPER LIMIT	130338	6.02	591590	7.14	548206	10.74
	LOWER LIMIT	32585	5.02	147898	6.14	137052	9.74
	EPA SAMPLE						
01	VBLK2A	59572	5.51	198146	6.64	178720	10.23
02	VHBLK2A	67668	5.51	293277	6.64	283885	10.23
03							
04							
05							
06							
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15							
16							
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.: MF1105

EPA Sample No. (VSTD050##): VSTD050K5 Date Analyzed: 08/17/07

Lab File ID (Standard): V5H9688 Time Analyzed: 2237

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	137888		4.92		546435		5.92		482229		9.01	
	UPPER LIMIT	275776		5.42		1092870		6.42		964458		9.51	
	LOWER LIMIT	68944		4.42		273218		5.42		241115		8.51	
	EPA SAMPLE												
01	VBLKK5	148544		4.92		642048		5.92		539802		9.01	
02	MWOB-02	143739		4.93		635245		5.93		502587		9.01	
03													
04													
05													
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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

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MWOB-02

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix: (soil/water) WATER Lab Sample ID: F1105-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9692

Level: (low/med) LOW Date Received: 08/10/07

% Moisture: not dec. _____ Date Analyzed: 08/18/07

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	1400	E
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	13	
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	4	J
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	2900	E
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	70	
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	570	E
107-06-2	1,2-Dichloroethane	23	

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MWOB-02

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix: (soil/water) WATER Lab Sample ID: F1105-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9692

Level: (low/med) LOW Date Received: 08/10/07

% Moisture: not dec. _____ Date Analyzed: 08/18/07

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	15	
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	3300	E
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	5	J
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	38	
100-41-4	Ethylbenzene	730	E
1330-20-7	Xylene (Total)	3400	E
100-42-5	Styrene	55	
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	7	J
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	6	J
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

MWOB-02

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix: (soil/water) WATER Lab Sample ID: F1105-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9692

Level: (low/med) LOW Date Received: 08/10/07

% Moisture: not dec. _____ Date Analyzed: 08/18/07

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

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

Number TICs found: 13 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.13	5	J
2.		UNKNOWN	3.50	23	J
3.		UNKNOWN	4.22	10	J
4.		UNKNOWN	4.63	420	J
5.		UNKNOWN	7.62	5500	J
6.		UNKNOWN	8.16	6	J
7.	123-19-3	4-HEPTANONE	8.93	13	NJ
8.	620-14-4	BENZENE, 1-ETHYL-3-METHYL-	10.77	49	NJ
9.	108-67-8	BENZENE, 1,3,5-TRIMETHYL-	10.88	18	NJ
10.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	11.12	13	NJ
11.	95-63-6	BENZENE, 1,2,4-TRIMETHYL-	11.32	67	NJ
12.	526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.83	20	NJ
13.	496-11-7	INDANE	12.07	5	NJ
14.					
15.					
16.					
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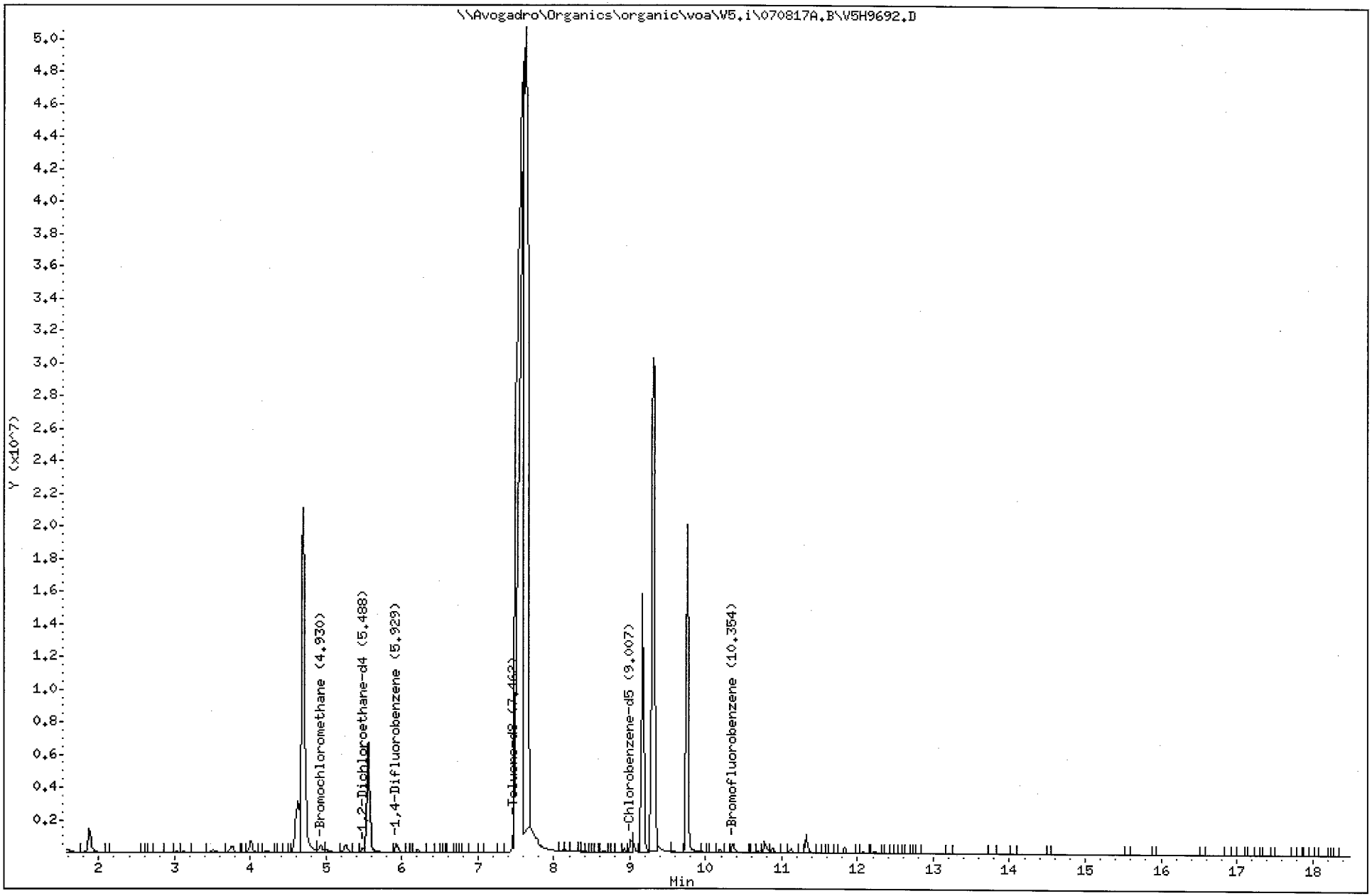
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9692.D
Date : 18-AUG-2007 00:24
Client ID: MWOB-02
Instrument: V5.i
Sample Info: 25ML,F1105-01A,,31767
Purge Volume: 5.0
Operator: HZA SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



1206

Data File: V5H9692.D
Report Date: 29-Aug-2007 16:19

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9692.D
Lab Smp Id: F1105-01A Client Smp ID: MWOB-02
Inj Date : 18-AUG-2007 00:24
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 25ML,F1105-01A,,31767
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070817A.B\v5clp4.m
Meth Date : 27-Aug-2007 11:41 V5.i Quant Type: ISTD
Cal Date : 17-AUG-2007 22:37 Cal File: V5H9688.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)
	3 Vinyl Chloride	62	1.876	1.865	(0.381)	2251508	1399.65	1400(A)
	7 1,1-Dichloroethene	96	3.025	3.026	(0.614)	24604	12.9768	13
	13 trans-1,2-Dichloroethene	96	3.745	3.735	(0.760)	16120	3.90647	4(a)
	16 cis-1,2-Dichloroethene	96	4.698	4.699	(0.953)	11820412	2899.34	2900(AQ)
*	18 Bromochloromethane	128	4.930	4.919	(1.000)	143739	50.0000	
	20 Chloroform	83	5.011	5.001	(1.016)	81243	10.3641	10
	22 Cyclohexane	56	5.255	5.256	(0.886)	308178	70.2737	70
$	24 1,2-Dichloroethane-d4	65	5.487	5.477	(1.113)	255217	51.5945	52
	25 Benzene	78	5.557	5.546	(0.937)	8524151	570.680	570(A)
	26 1,2-Dichloroethane	62	5.557	5.546	(1.127)	143458	22.7032	23
*	27 1,4-Difluorobenzene	114	5.929	5.918	(1.000)	635245	50.0000	
	28 Trichloroethene	130	6.207	6.185	(1.047)	78445	15.3340	15
$	35 Toluene-d8	98	7.462	7.428	(0.829)	308091	25.7859	26(R)
	36 Toluene	91	7.496	7.497	(0.832)	47507690	3321.88	3300(AQ)
	39 Tetrachloroethene	164	8.112	8.101	(0.901)	18781	4.61953	5(a)
*	43 Chlorobenzene-d5	117	9.006	9.007	(1.000)	502587	50.0000	
	44 Chlorobenzene	112	9.041	9.030	(1.004)	398599	37.8837	38
	45 Ethylbenzene	106	9.169	9.158	(1.018)	3749899	727.178	730(A)
	46 m,p-Xylene	106	9.308	9.297	(1.034)	15025723	2374.10	2400(AQ)
	47 o-Xylene	106	9.761	9.750	(1.084)	6478504	1018.64	1000(A)
	48 Styrene	104	9.761	9.762	(1.084)	377376	55.4670	55(Q)
	50 Isopropylbenzene	105	10.191	10.180	(1.132)	120666	7.23763	7(aH)

Data File: V5H9692.D
Report Date: 29-Aug-2007 16:19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 51 Bromofluorobenzene	95	10.353	10.354	(1.150)	246564	49.0839	49
M 53 Xylene (Total)	106				21504227	3392.74	3400
56 1,2-Dichlorobenzene	146	12.223	12.201	(1.357)	56930	6.42603	6(a)

HZA 08/29/07

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: V5H9692.D
Report Date: 29-Aug-2007 16:19

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9692.D
Lab Smp Id: F1105-01A Client Smp ID: MWOB-02
Inj Date : 18-AUG-2007 00:24
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 25ML,F1105-01A,,31767
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070817A.B\v5clp4.m
Meth Date : 27-Aug-2007 11:41 V5.i Quant Type: ISTD
Cal Date : 17-AUG-2007 22:37 Cal File: V5H9688.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

ISTD	RT	AREA	AMOUNT
* 18 Bromochloromethane	4.930	1432966	50.000
* 43 Chlorobenzene-d5	9.007	1718450	50.000

	CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
3.130	150516	5.25188712	5	0		0	18
Unknown				CAS #:			
3.502	655090	22.8578396	23	0		0	18
Straight-chain Alkane				CAS #:			
4.001	1956372	68.2630121	68	0		0	18
Unknown				CAS #:			
4.222	277783	9.69259092	10	0		0	18
Unknown				CAS #:			
4.629	12035225	419.941051	420	0		0	18

Data File: V5H9692.D
Report Date: 29-Aug-2007 16:19

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.625	1.884e+008	5481.76098	5500	0		0	43
Unknown				CAS #:			
8.159	214752	6.24843045	6	0		0	43
4-Heptanone				CAS #: 123-19-3			
8.925	450246	13.1003353	13	90	NIST2002.L	7243	43
Benzene, 1-ethyl-3-methyl-				CAS #: 620-14-4			
10.772	1677444	48.8068701	49	95	NIST2002.L	9128	43
Benzene, 1,3,5-trimethyl-				CAS #: 108-67-8			
10.876	630809	18.3540029	18	97	NIST2002.L	9122	43
Benzene, 1-ethyl-2-methyl-				CAS #: 611-14-3			
11.120	452393	13.1628269	13	94	NIST2002.L	9130	43
Benzene, 1,2,4-trimethyl-				CAS #: 95-63-6			
11.318	2312497	67.2843568	67	95	NIST2002.L	9111	43
Benzene, 1,2,3-trimethyl-				CAS #: 526-73-8			
11.829	681313	19.8234716	20	95	NIST2002.L	9113	43
Indane				CAS #: 496-11-7			
12.073	189027	5.49993185	5	91	NIST2002.L	8676	43

Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9692.D

Date : 18-AUG-2007 00:24

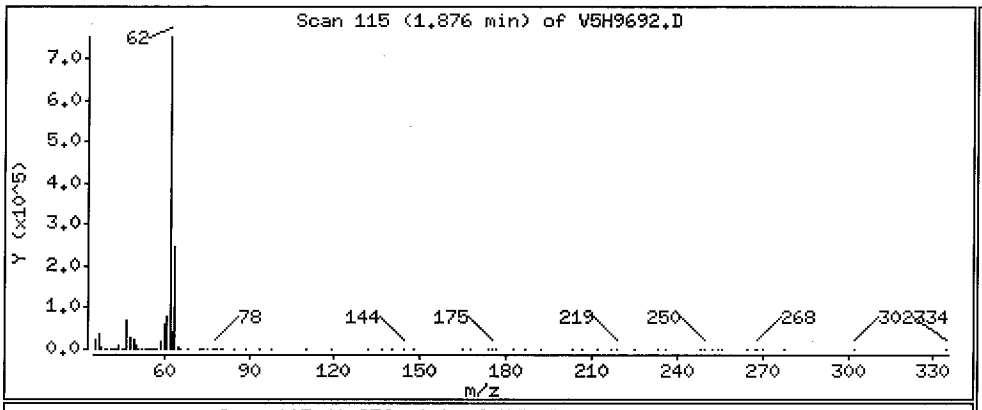
Client ID: MWOB-02 Instrument: V5.i

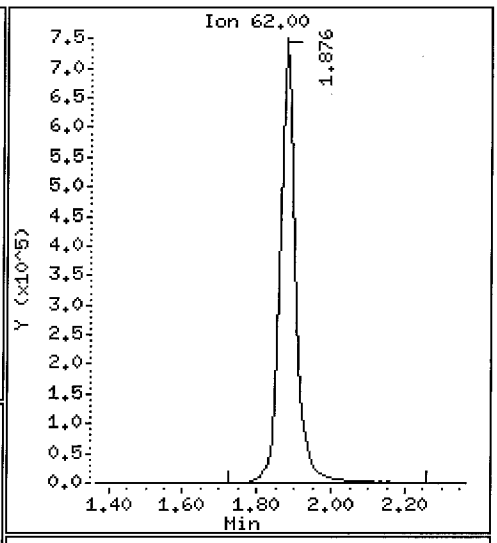
Sample Info: 25ML,F1105-01A,,31767

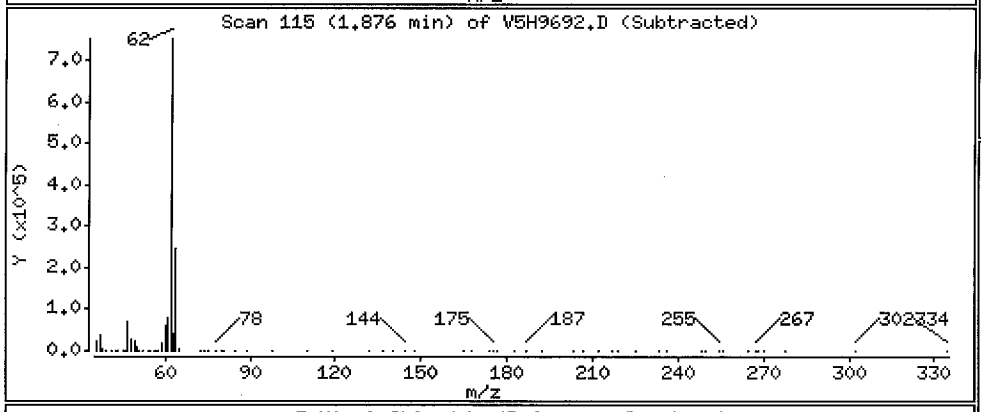
Purge Volume: 5.0 Operator: HZA SRC: LIMS

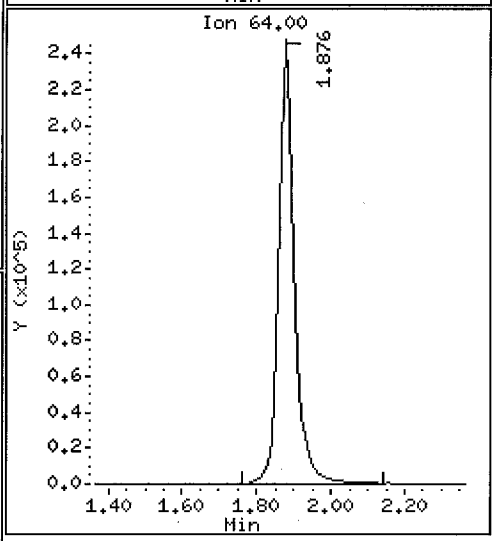
Column phase: DB-624 Column diameter: 0.25

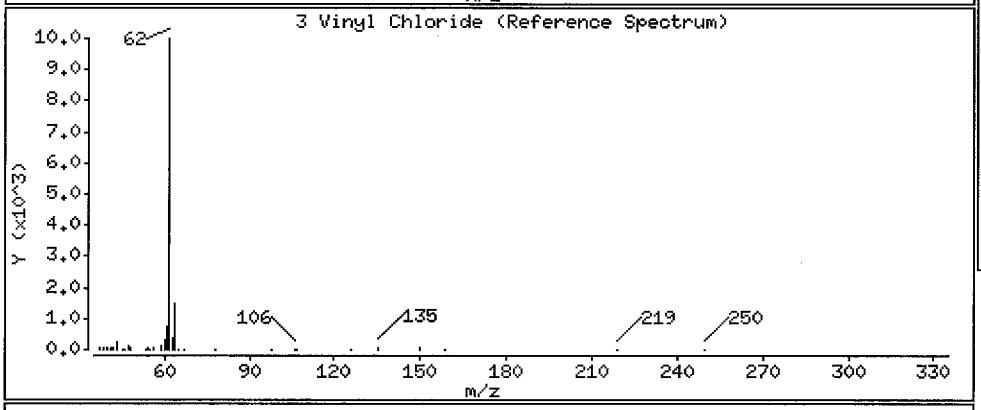
3 Vinyl Chloride Concentration: 1400 ug/L

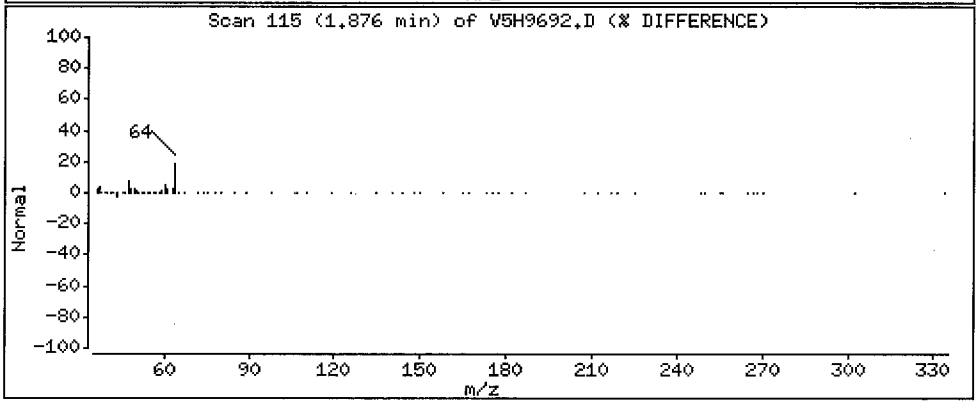












Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9692.D

Date : 18-AUG-2007 00:24

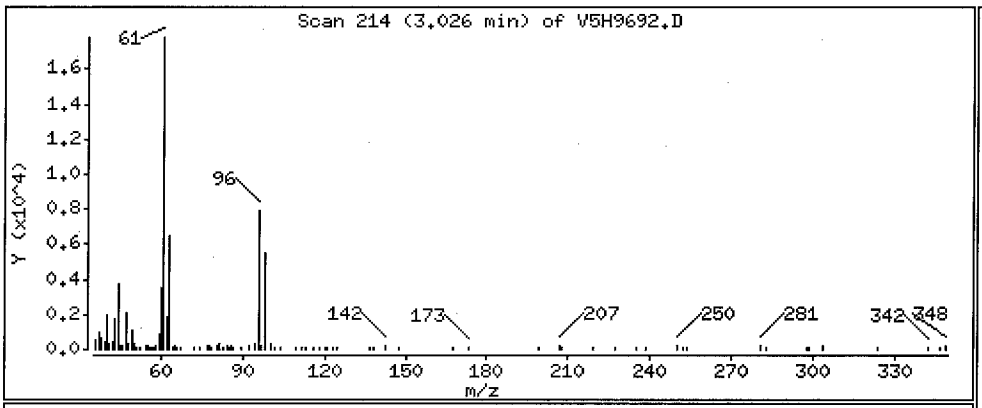
Client ID: MWOB-02 Instrument: V5.i

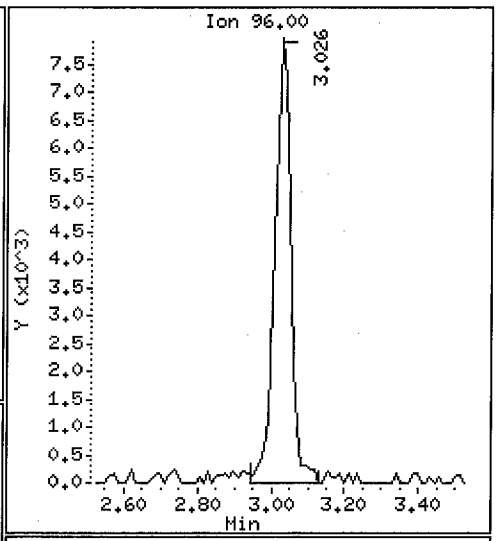
Sample Info: 25ML,F1105-01A,,31767

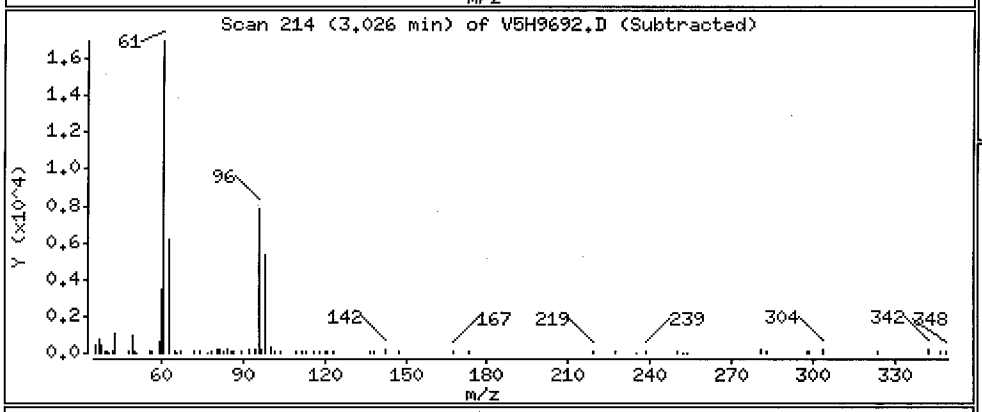
Purge Volume: 5.0 Operator: HZA SRC: LIMS

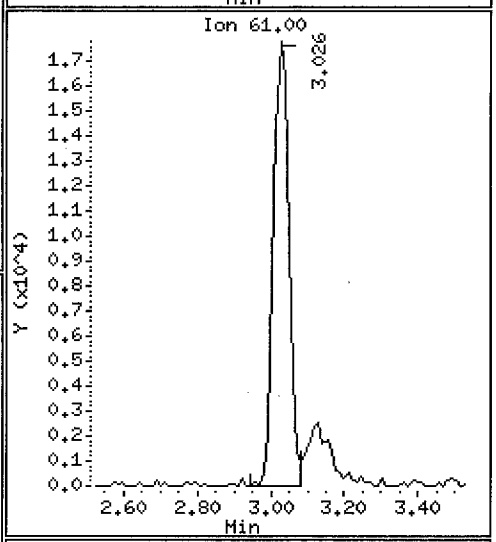
Column phase: DB-624 Column diameter: 0.25

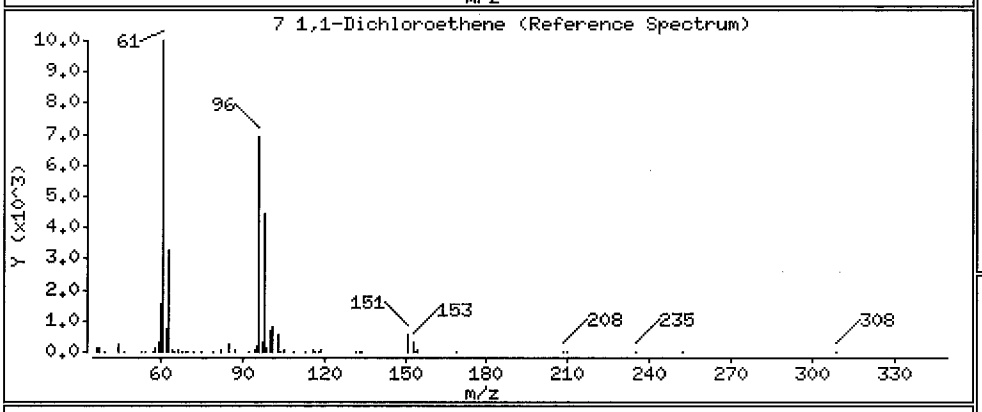
7 1,1-Dichloroethene Concentration: 13 ug/L

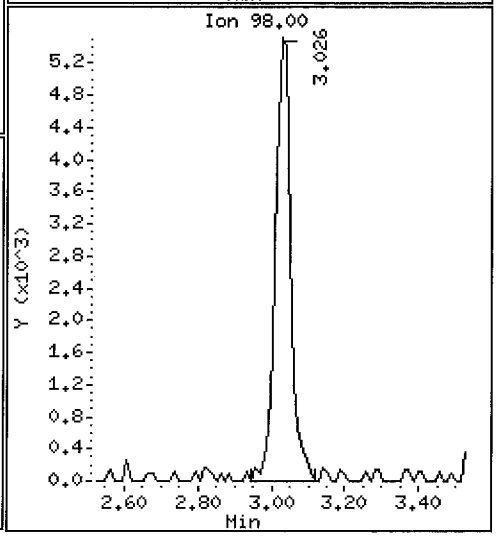


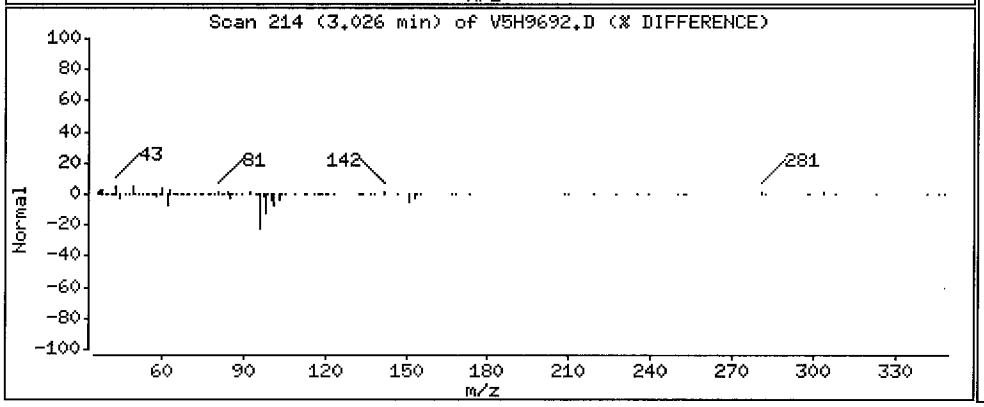












Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9692.D

Date : 18-AUG-2007 00:24

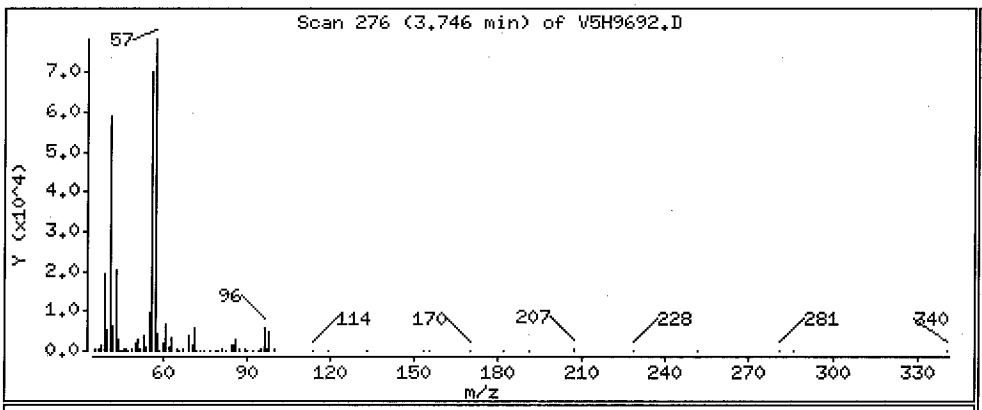
Client ID: MWOB-02 Instrument: V5.i

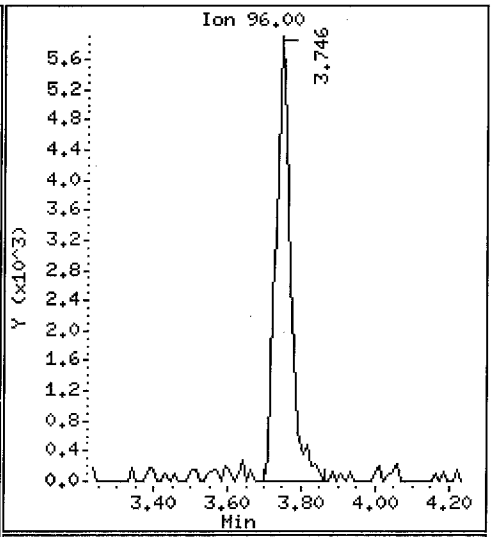
Sample Info: 25ML,F1105-01A,,31767

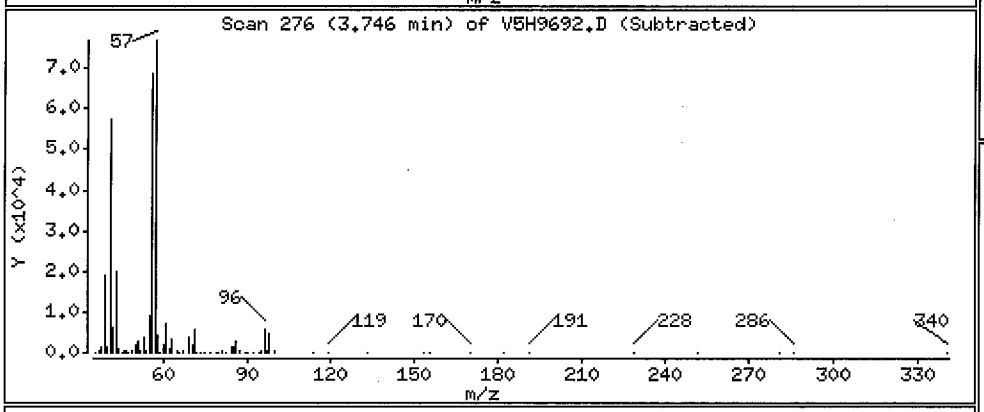
Purge Volume: 5.0 Operator: HZA SRC: LIMS

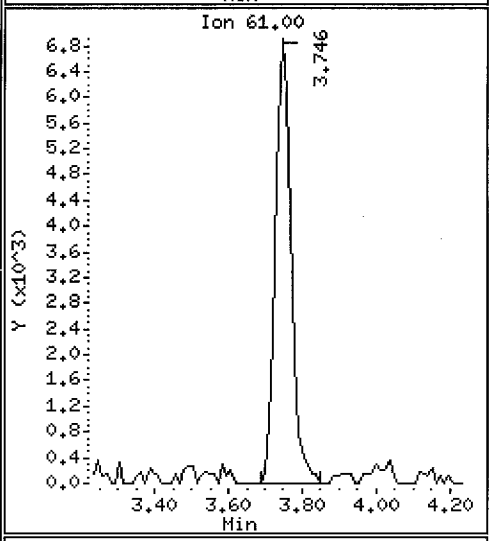
Column phase: DB-624 Column diameter: 0.25

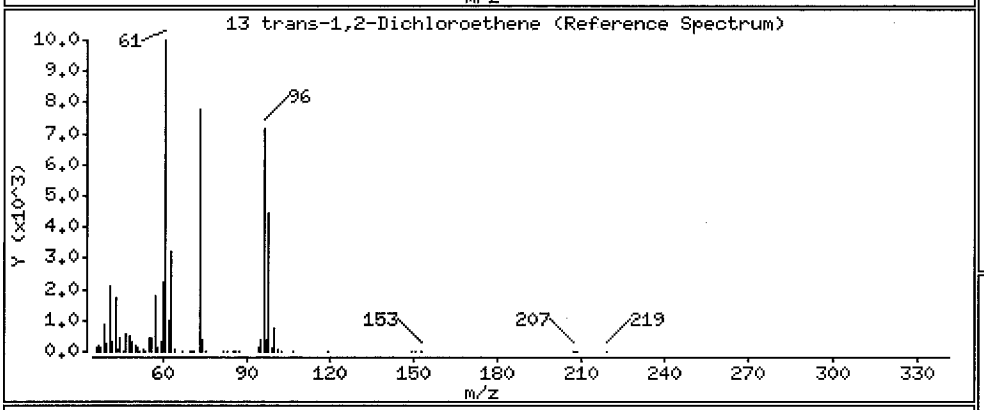
13 trans-1,2-Dichloroethene Concentration: 4 ug/L

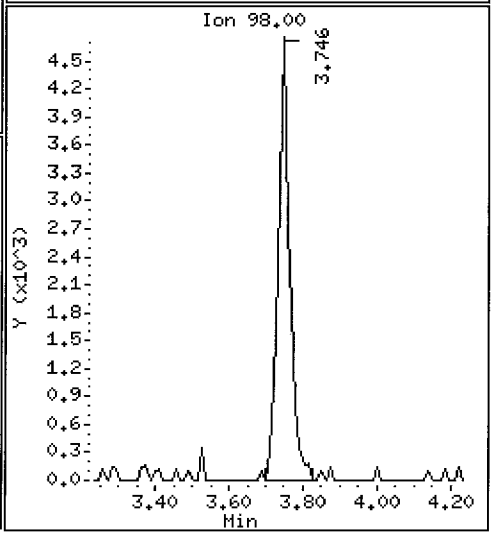


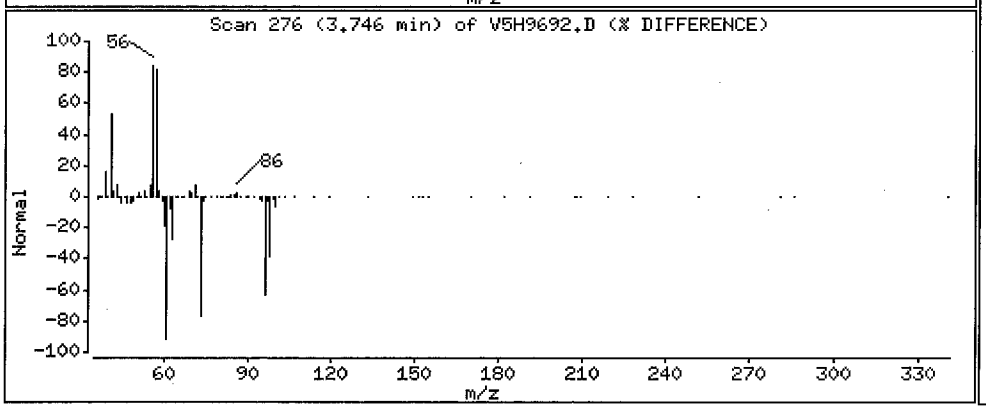












Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9692.D

Date : 18-AUG-2007 00:24

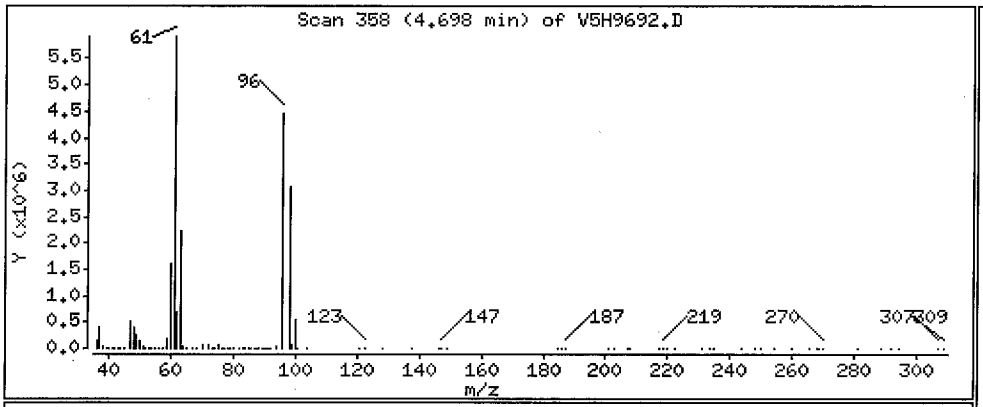
Client ID: MWOB-02 Instrument: V5.i

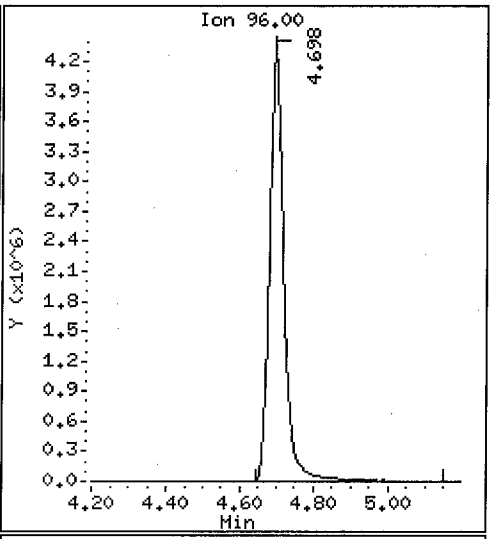
Sample Info: 25ML,F1105-01A,,31767

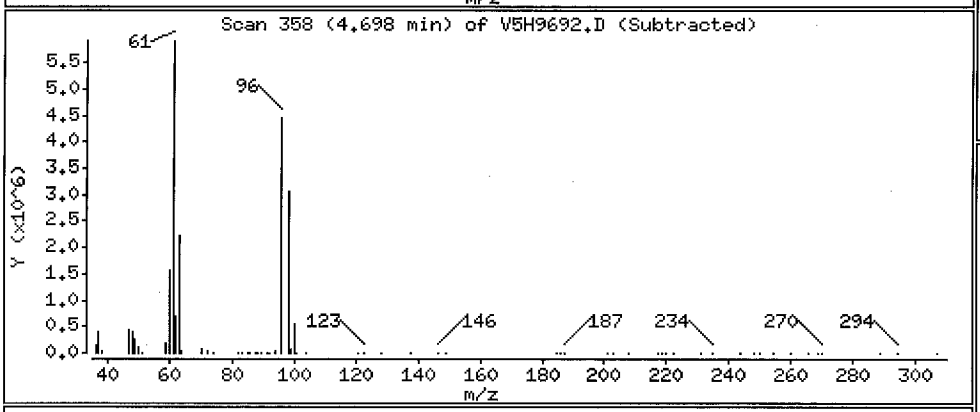
Purge Volume: 5.0 Operator: HZA SRC: LIMS

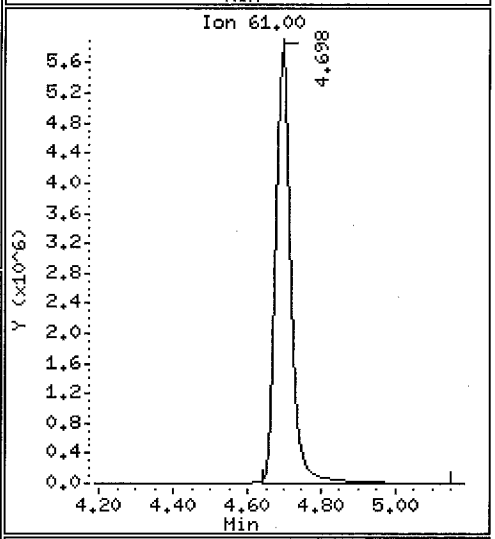
Column phase: DB-624 Column diameter: 0.25

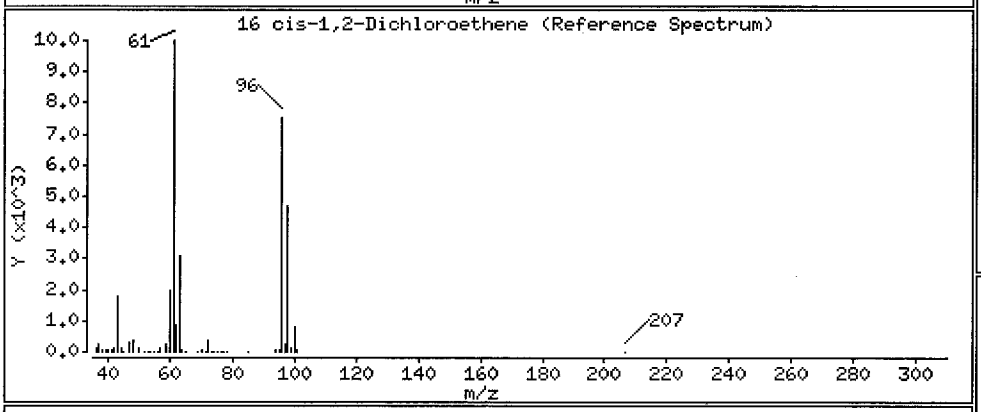
16 cis-1,2-Dichloroethene Concentration: 2900 ug/L

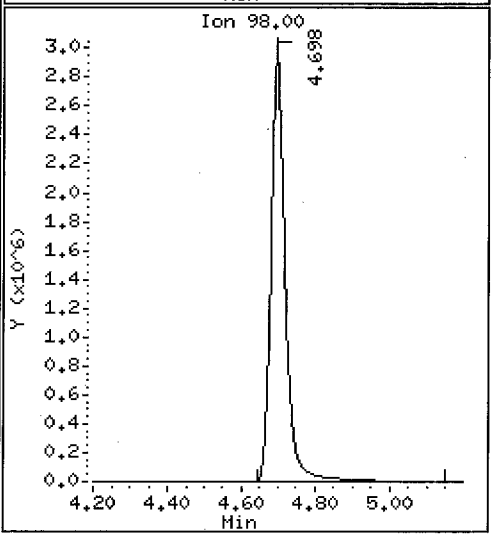


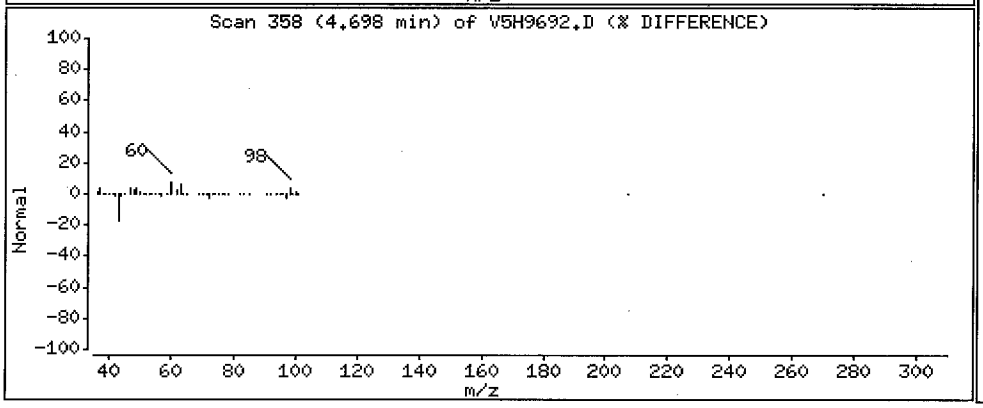












Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9692.D

Date : 18-AUG-2007 00:24

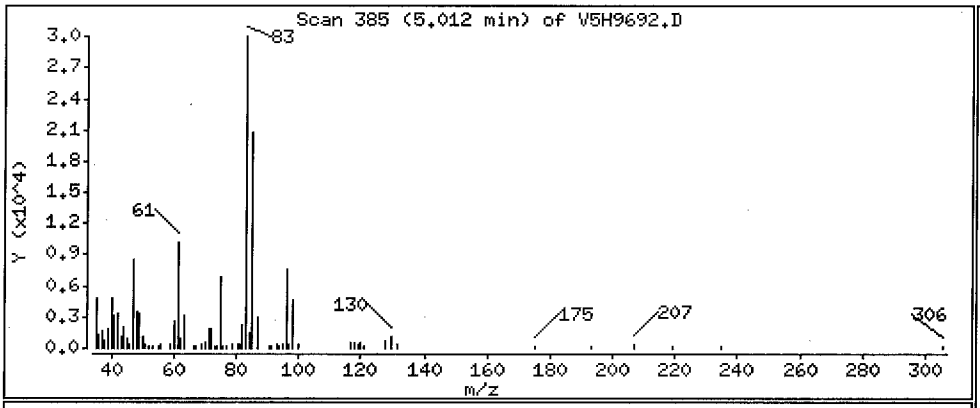
Client ID: MWOB-02 Instrument: V5.i

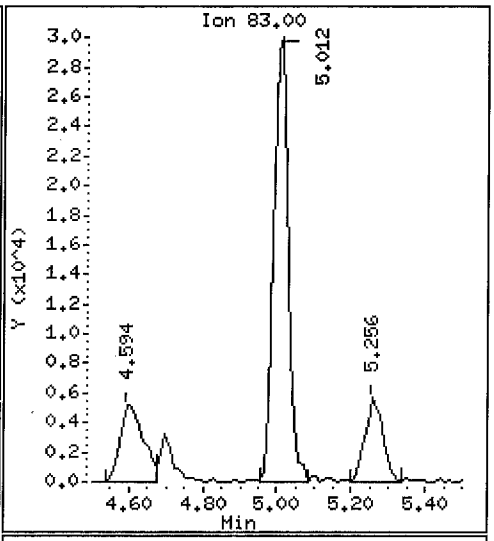
Sample Info: 25ML,F1105-01A,,31767

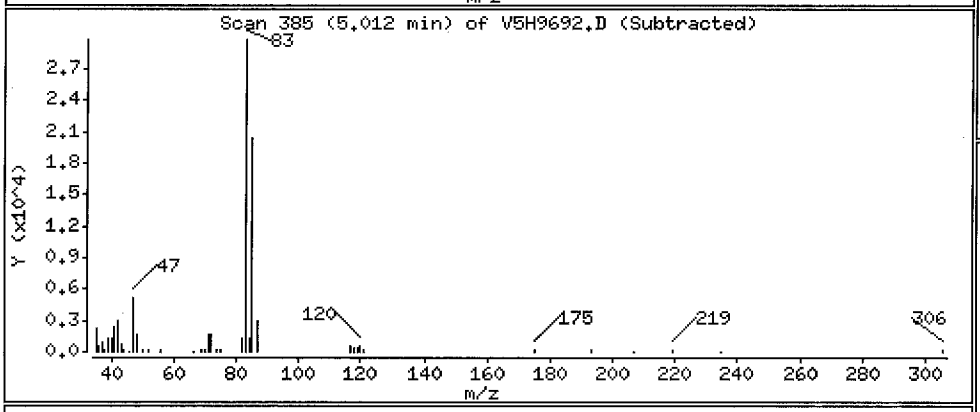
Purge Volume: 5.0 Operator: HZA SRC: LIMS

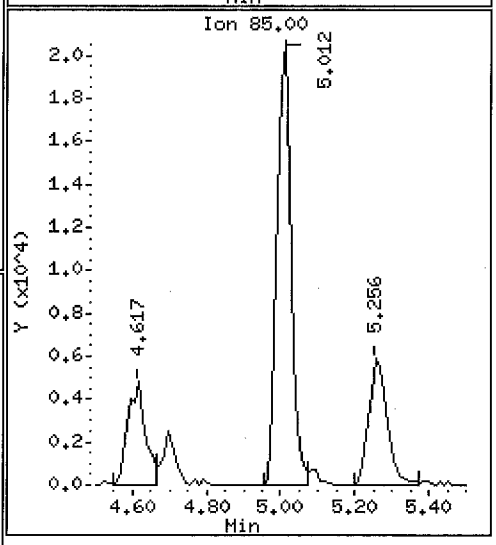
Column phase: DB-624 Column diameter: 0.25

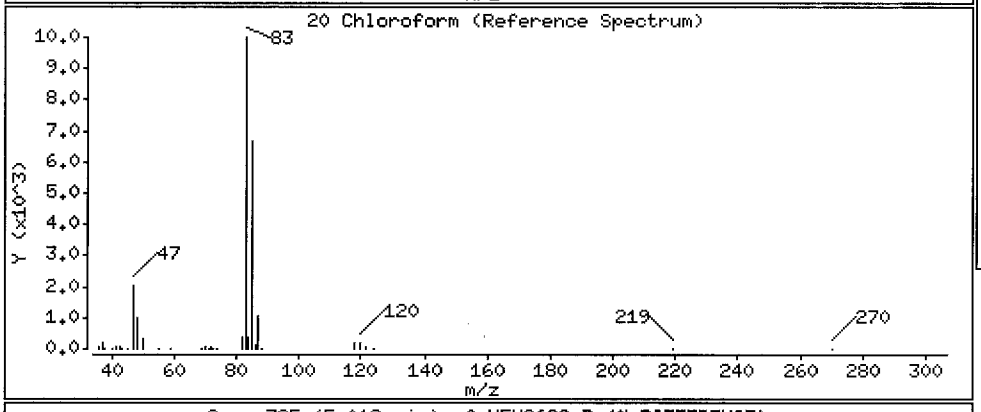
20 Chloroform Concentration: 10 ug/L

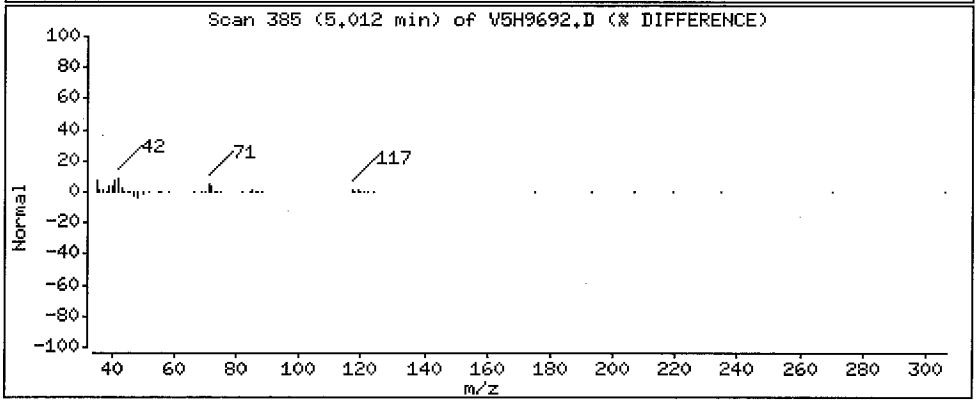












Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9692.D

Date : 18-AUG-2007 00:24

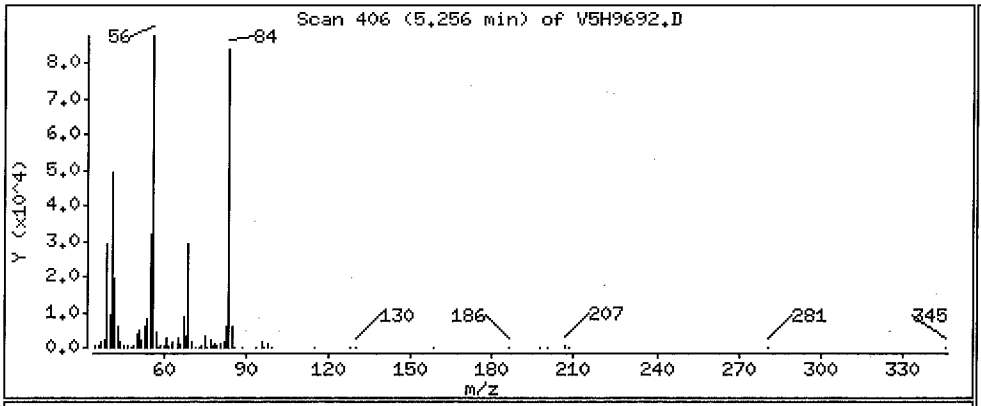
Client ID: MWOB-02 Instrument: V5.i

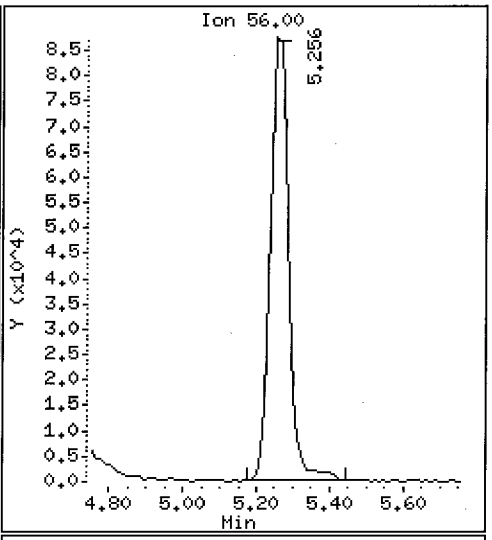
Sample Info: 25ML,F1105-01A,,31767

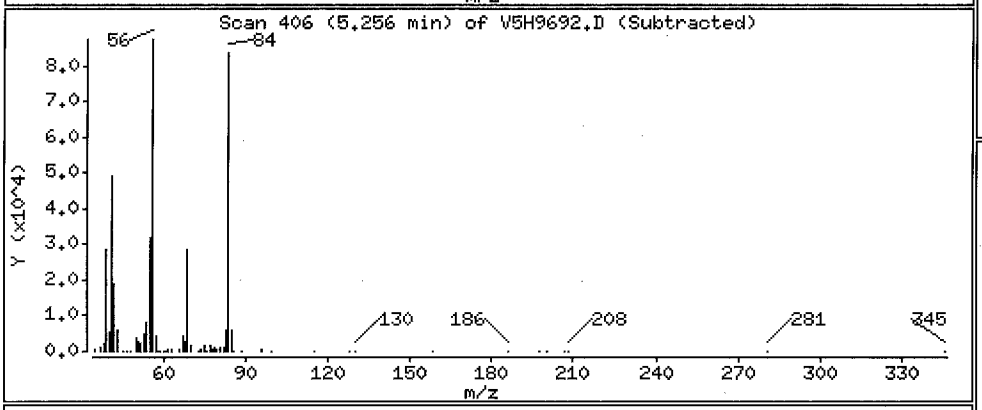
Purge Volume: 5.0 Operator: HZA SRC: LIMS

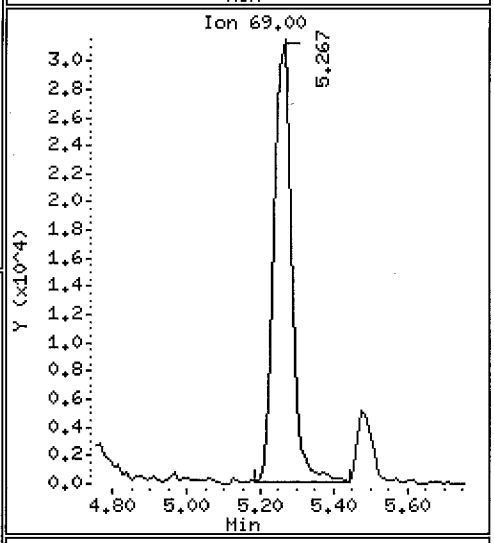
Column phase: DB-624 Column diameter: 0.25

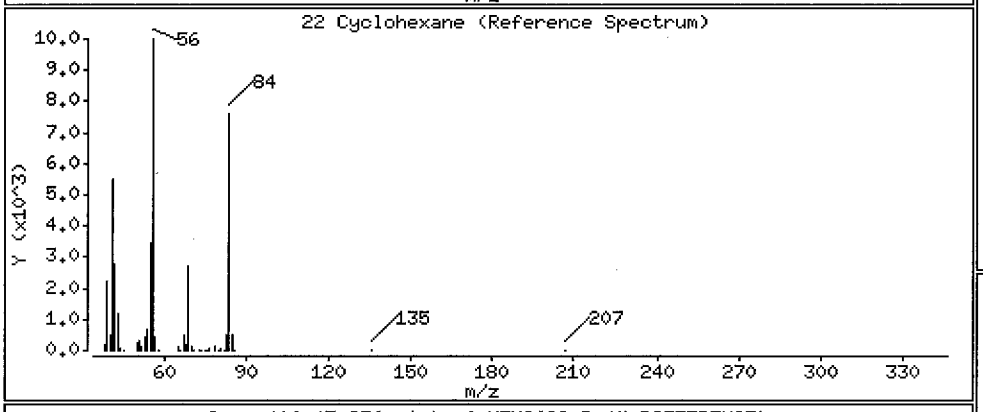
22 Cyclohexane Concentration: 70 ug/L

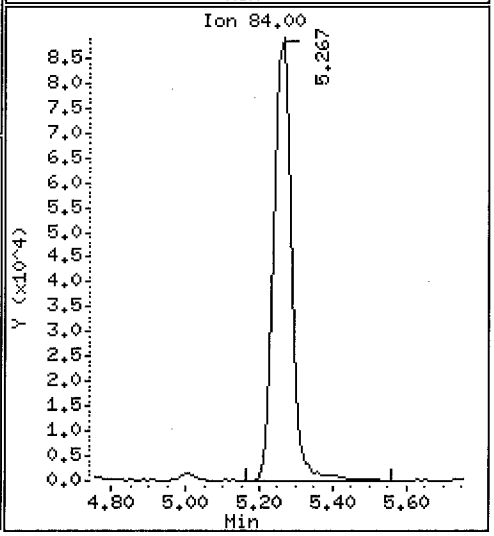


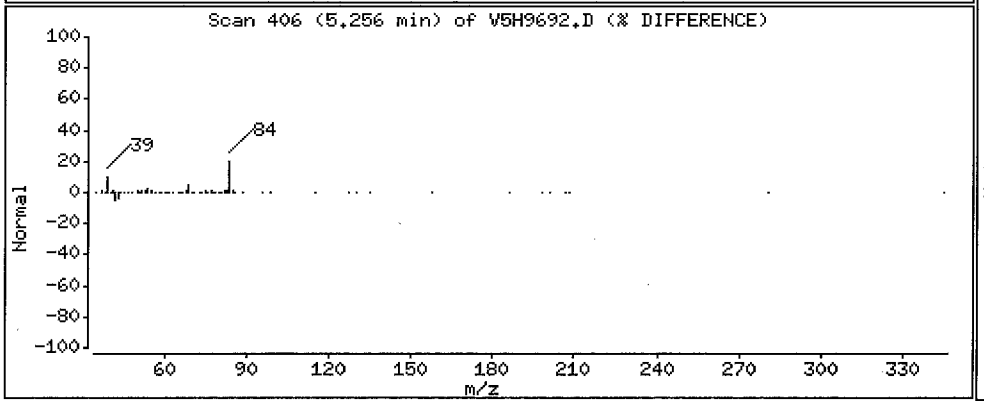












Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9692.D

Date : 18-AUG-2007 00:24

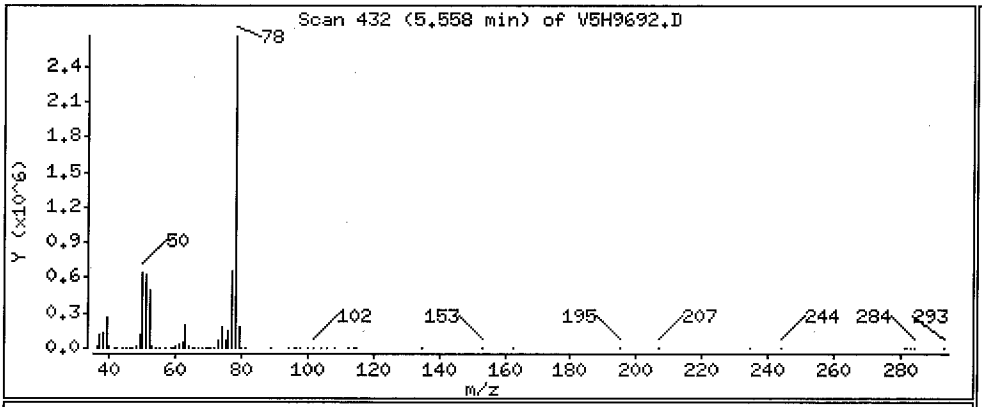
Client ID: MWOB-02 Instrument: V5.i

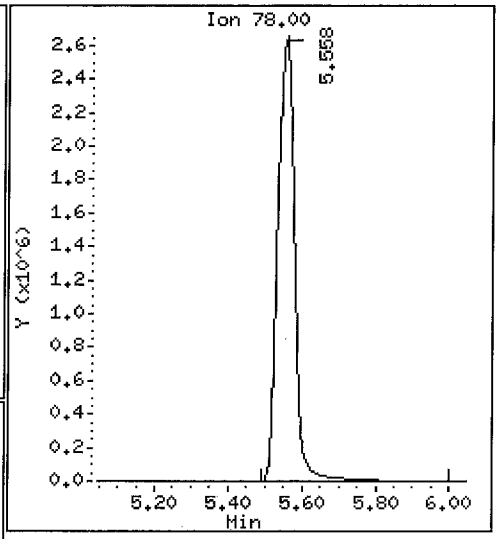
Sample Info: 25ML,F1105-01A,,31767

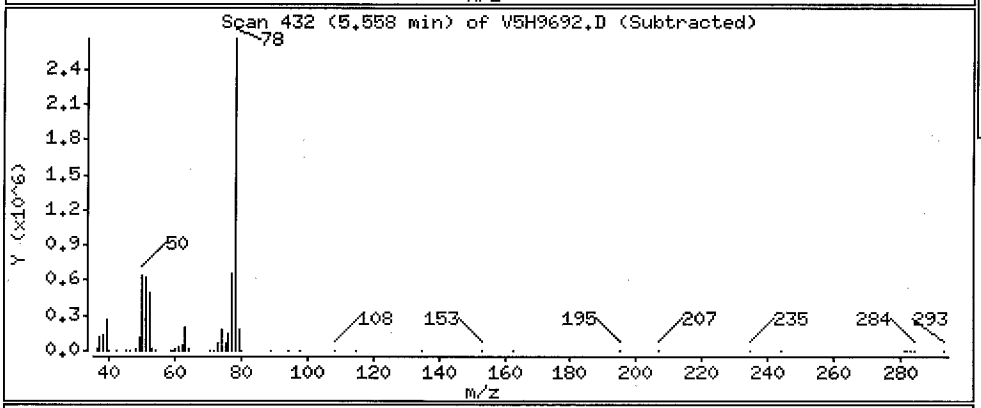
Purge Volume: 5.0 Operator: HZA SRC: LIMS

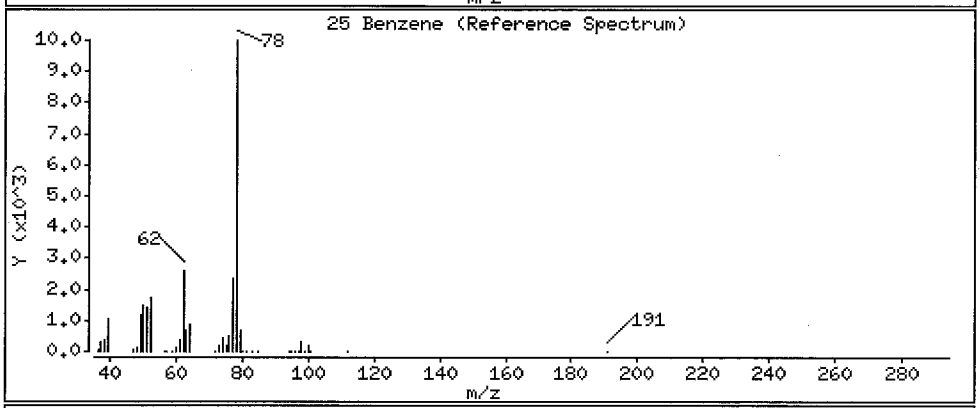
Column phase: DB-624 Column diameter: 0.25

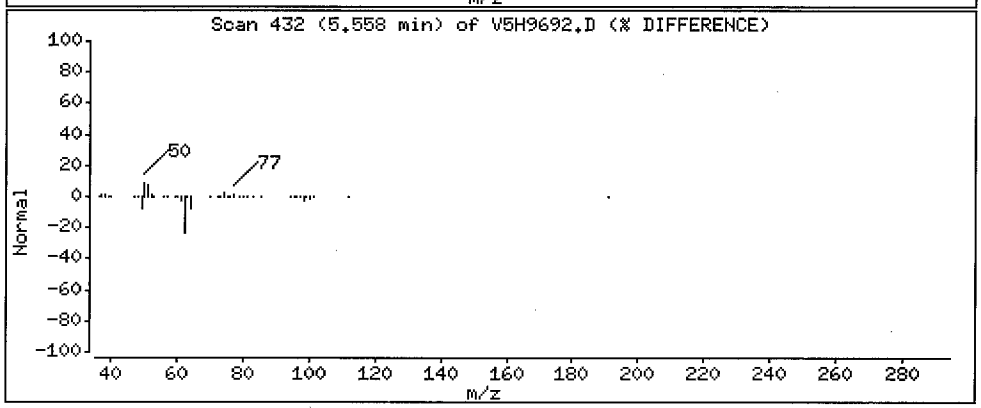
25 Benzene Concentration: 570 ug/L











Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9692.D

Date : 18-AUG-2007 00:24

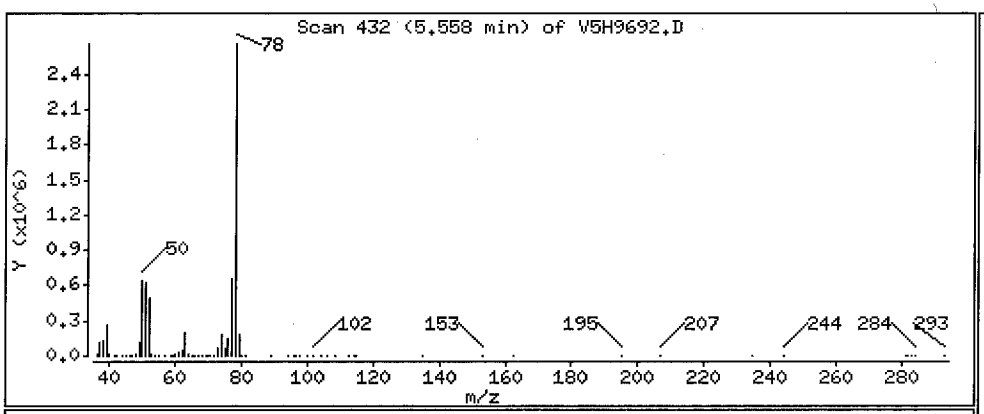
Client ID: MWOB-02 Instrument: V5.i

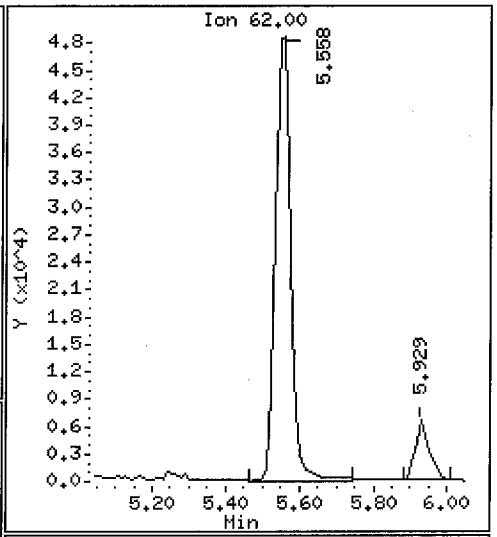
Sample Info: 25ML,F1105-01A,,31767

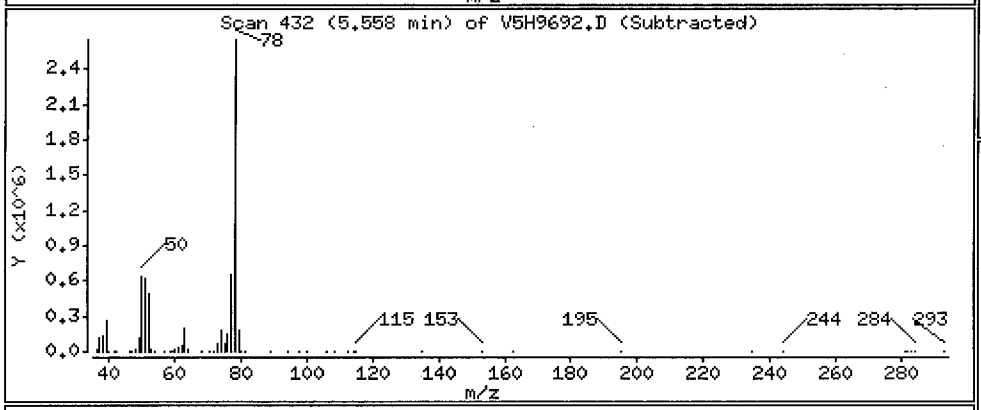
Purge Volume: 5.0 Operator: HZA SRC: LIMS

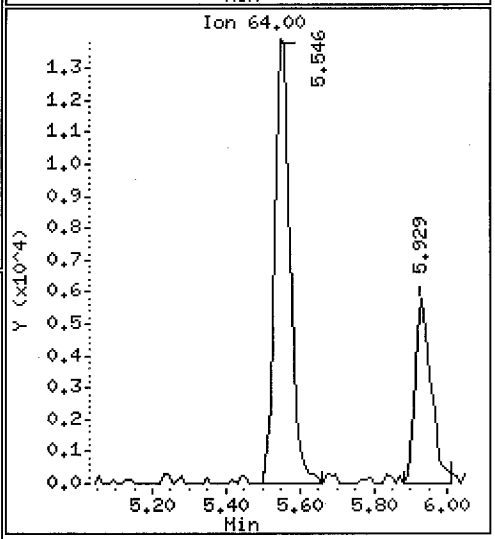
Column phase: DB-624 Column diameter: 0.25

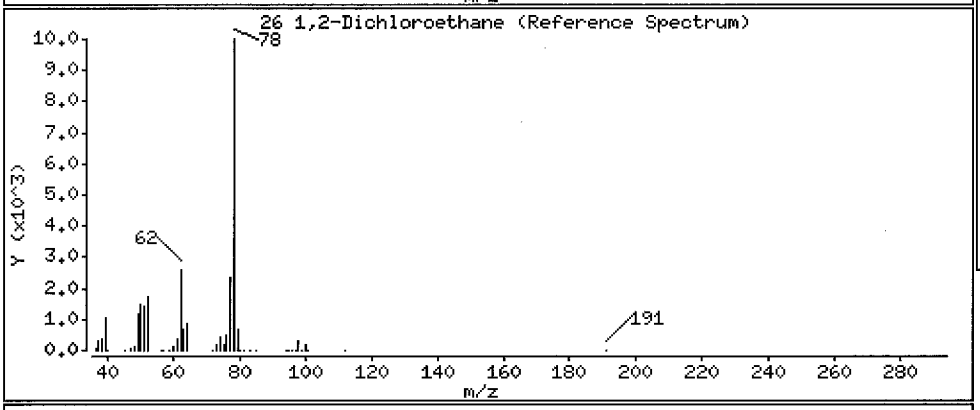
26 1,2-Dichloroethane Concentration: 23 ug/L

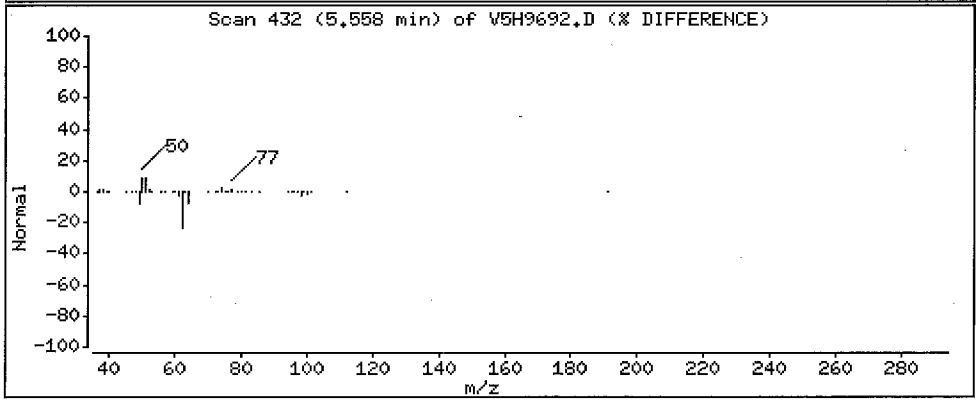












Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9692.D

Date : 18-AUG-2007 00:24

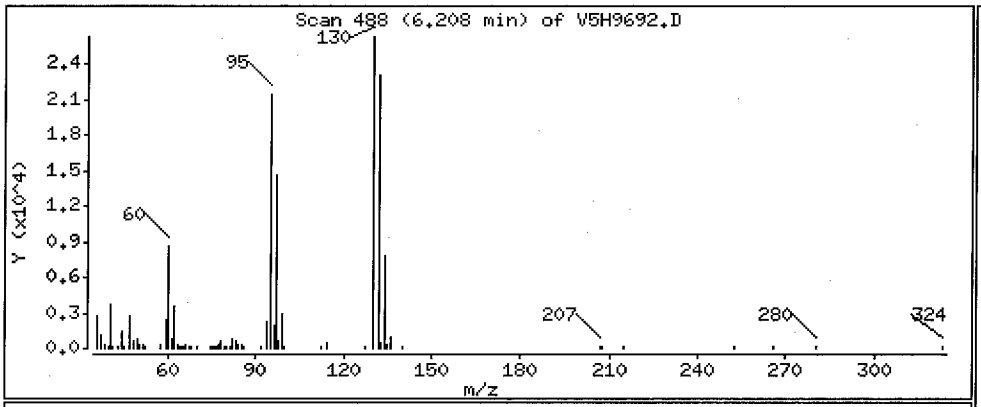
Client ID: MWOB-02 Instrument: V5.i

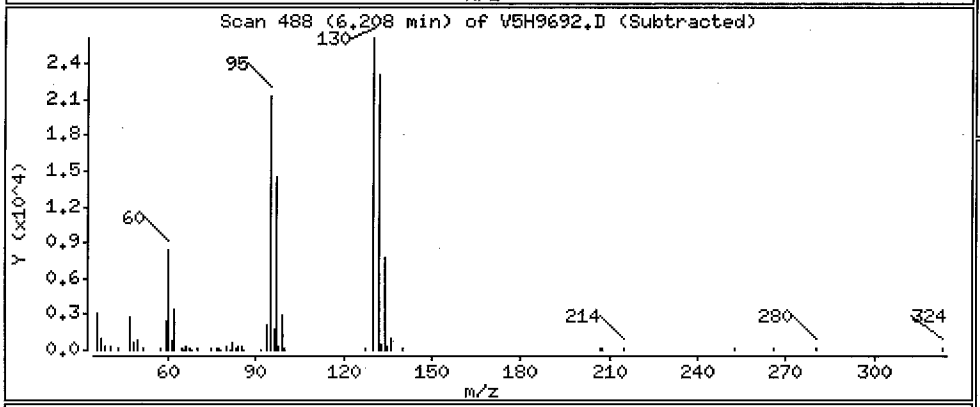
Sample Info: 25ML,F1105-01A,,31767

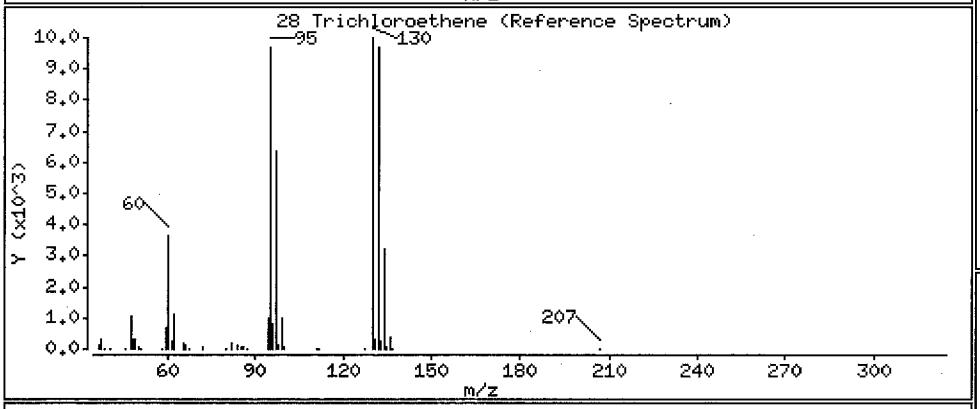
Purge Volume: 5.0 Operator: HZA SRC: LIMS

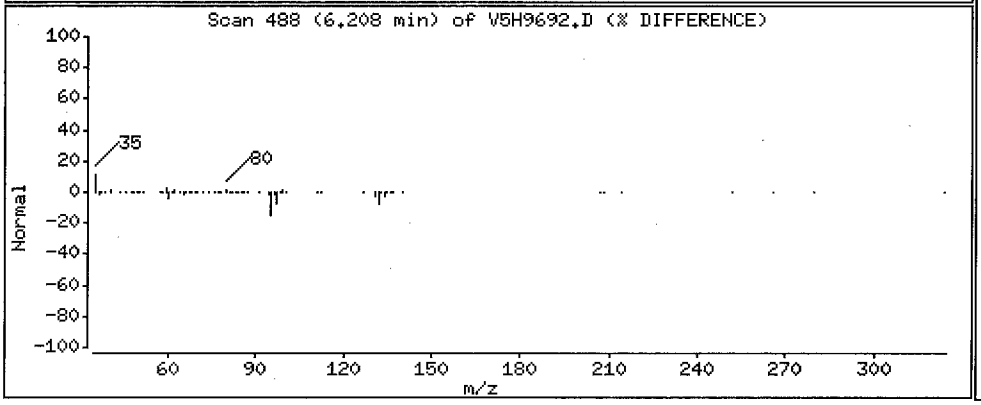
Column phase: DB-624 Column diameter: 0.25

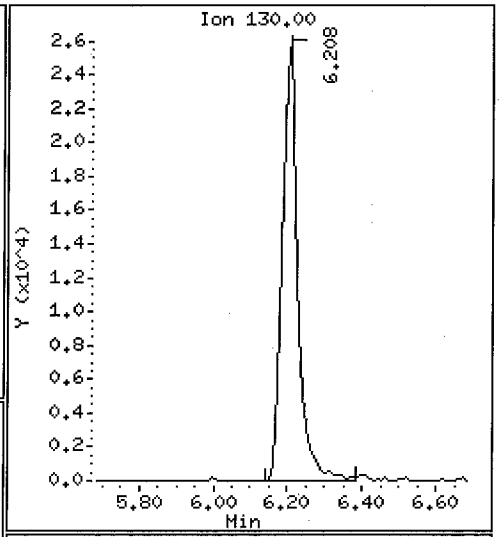
28 Trichloroethene Concentration: 15 ug/L

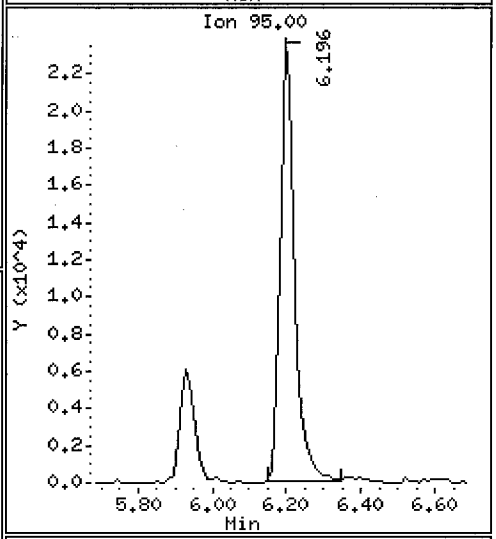


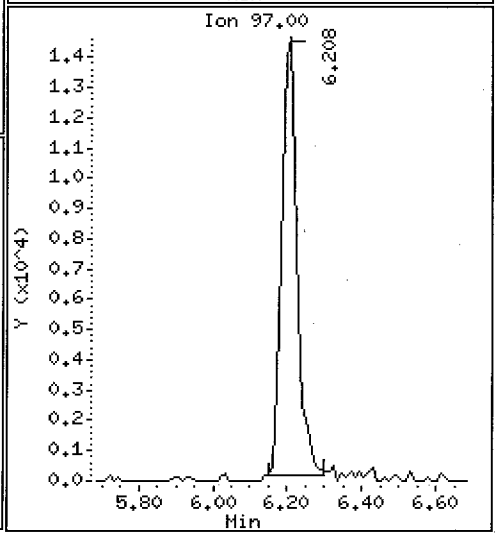












Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9692.D

Date : 18-AUG-2007 00:24

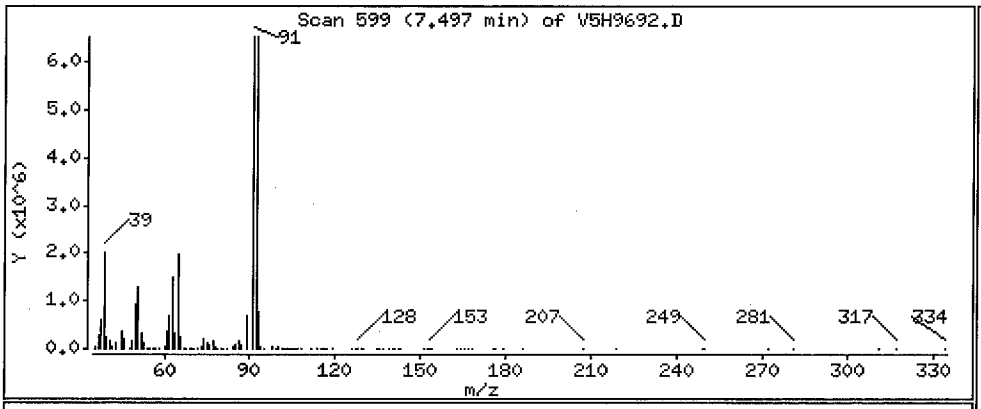
Client ID: MWOB-02 Instrument: V5.i

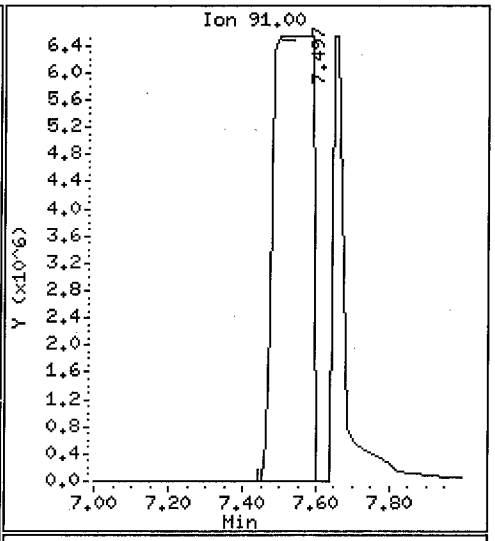
Sample Info: 25ML,F1105-01A,,31767

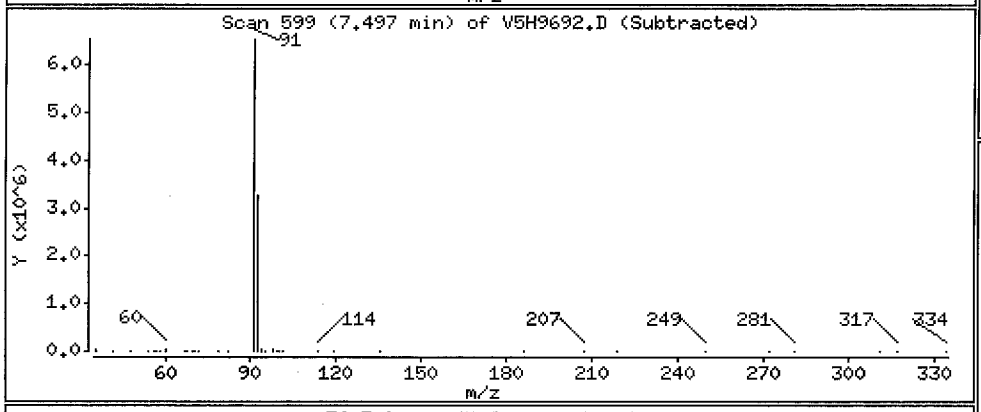
Purge Volume: 5.0 Operator: HZA SRC: LIMS

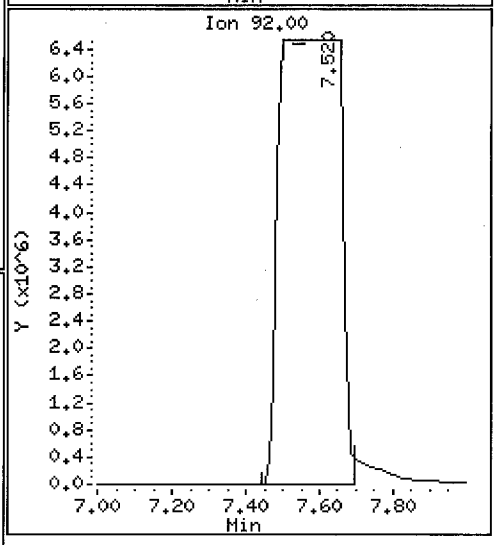
Column phase: DB-624 Column diameter: 0.25

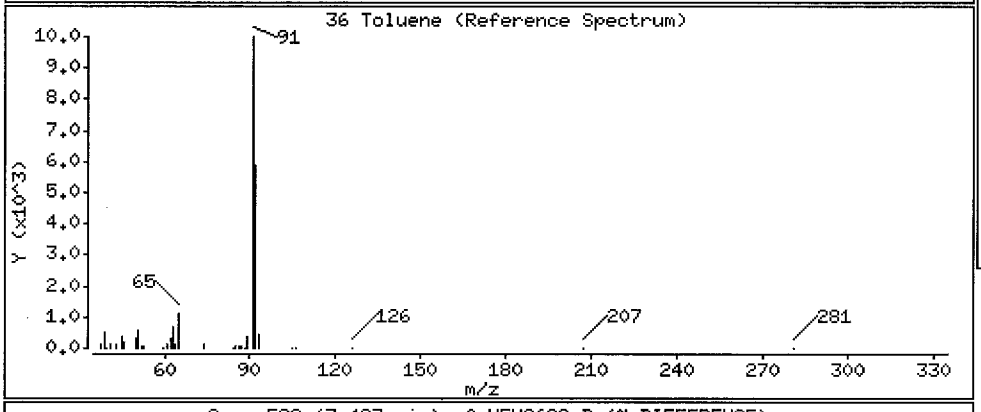
36 Toluene Concentration: 3300 ug/L

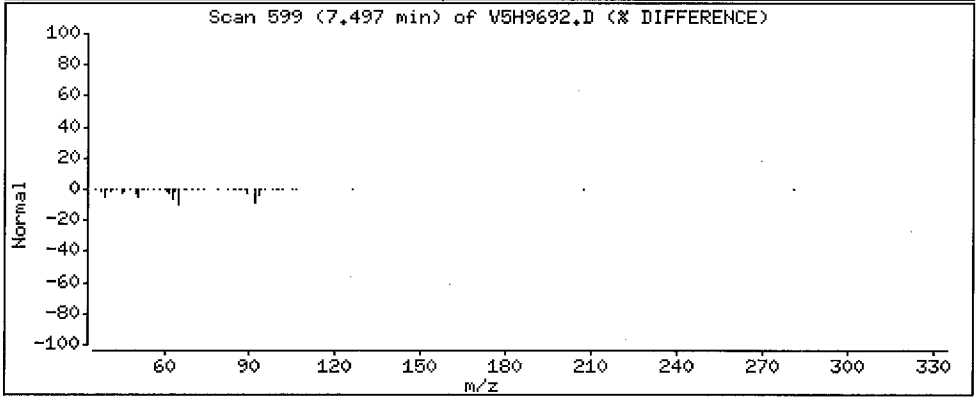












Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9692.D

Date : 18-AUG-2007 00:24

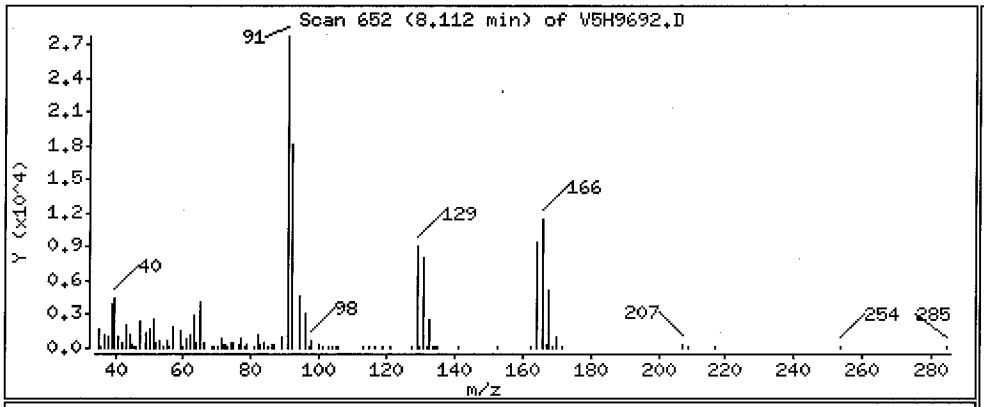
Client ID: MWOB-02 Instrument: V5.i

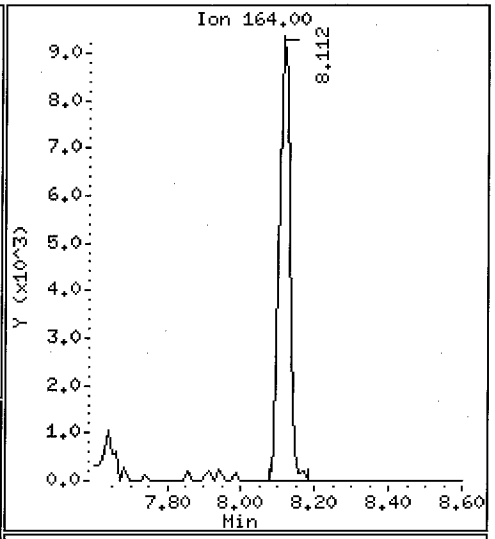
Sample Info: 25ML,F1105-01A,,31767

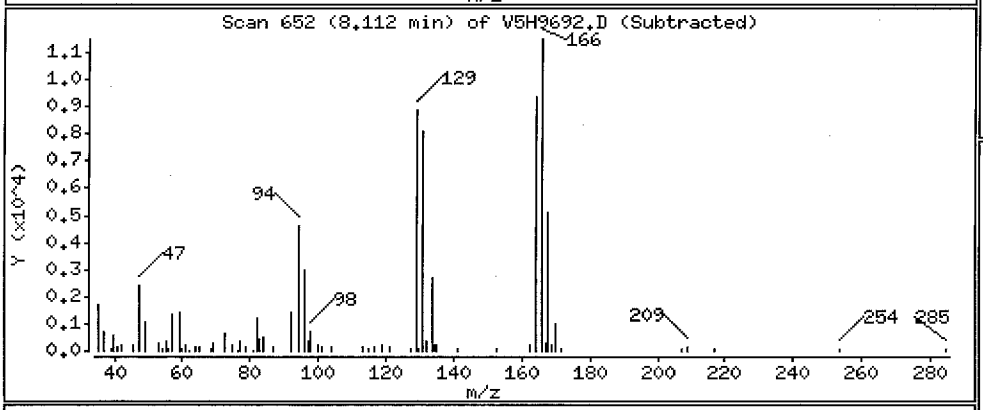
Purge Volume: 5.0 Operator: HZA SRC: LIMS

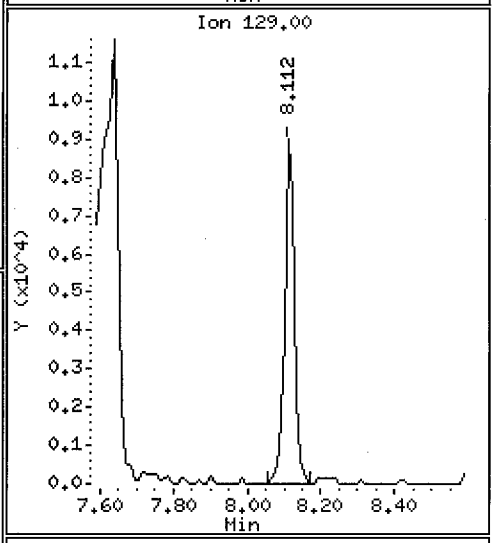
Column phase: DB-624 Column diameter: 0.25

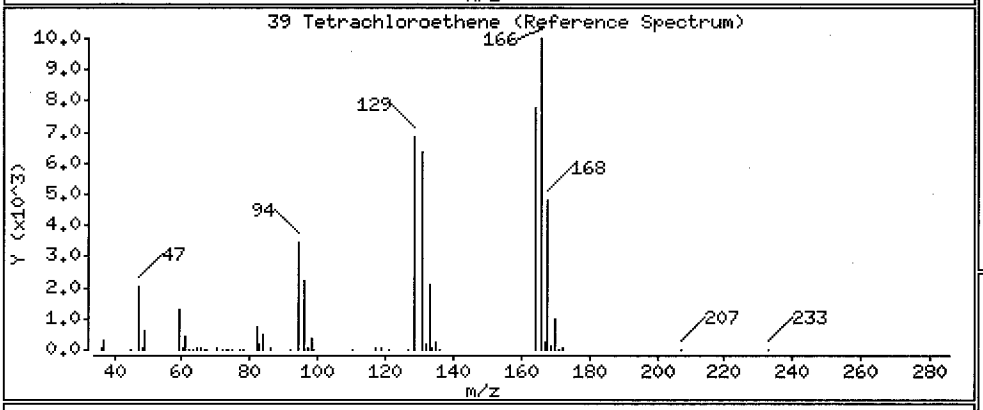
39 Tetrachloroethene Concentration: 5 ug/L

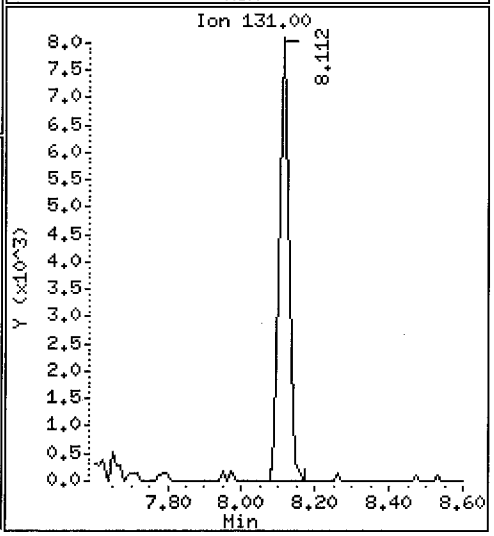


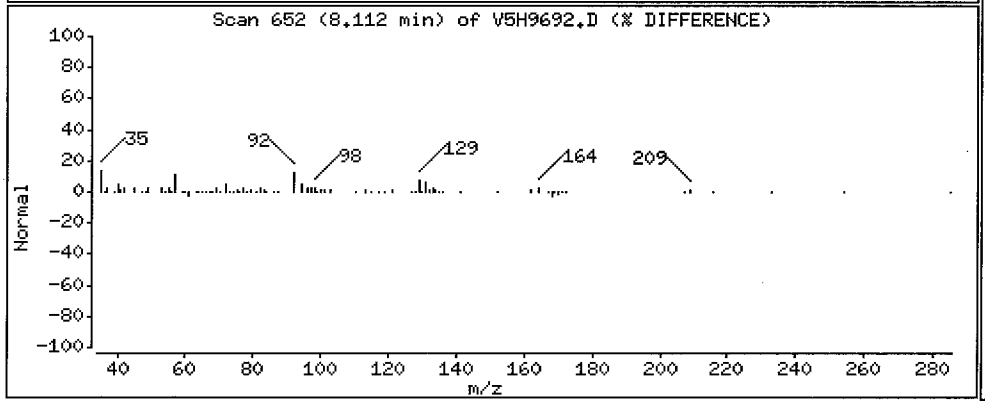












Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9692.D

Date : 18-AUG-2007 00:24

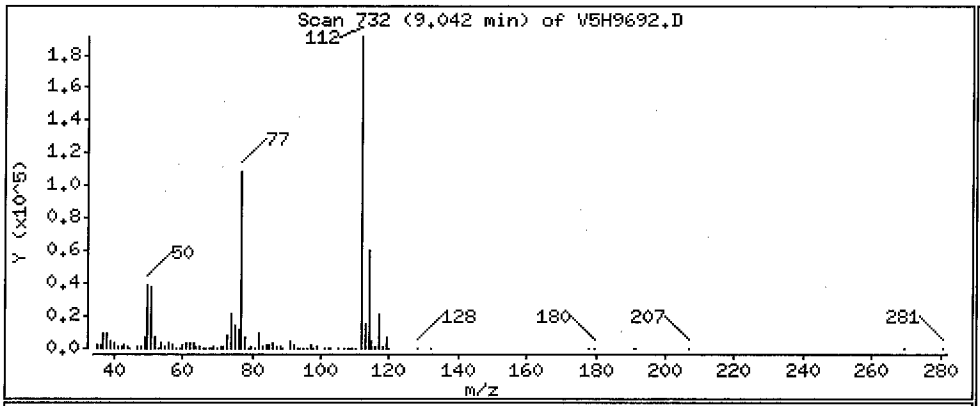
Client ID: MWOB-02 Instrument: V5.i

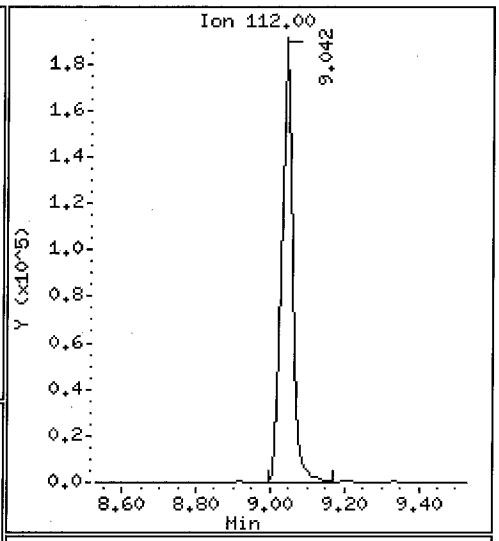
Sample Info: 25ML,F1105-01A,,31767

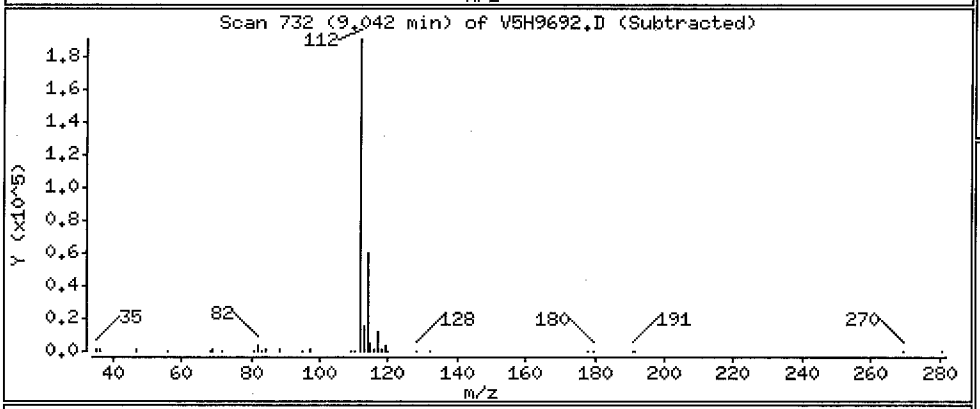
Purge Volume: 5.0 Operator: HZA SRC: LIMS

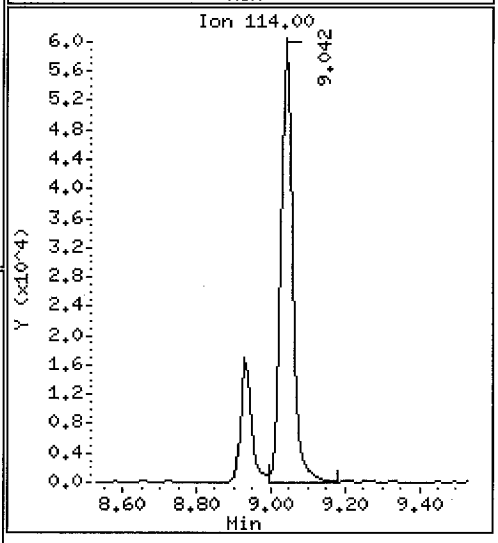
Column phase: DB-624 Column diameter: 0.25

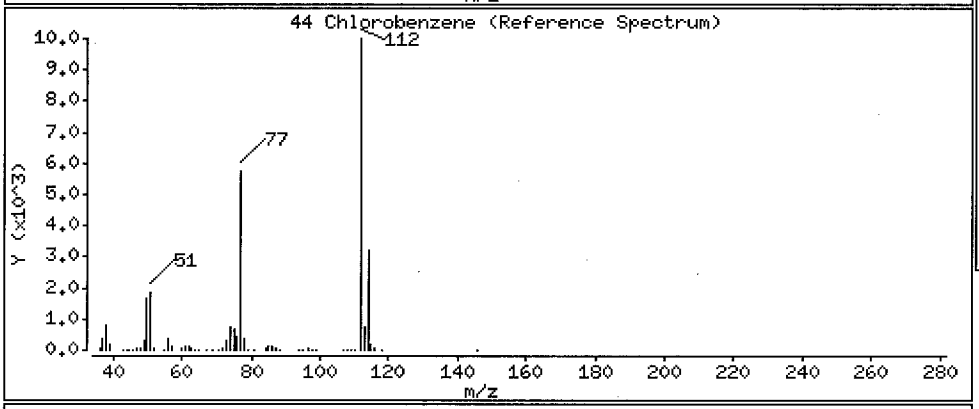
44 Chlorobenzene Concentration: 38 ug/L

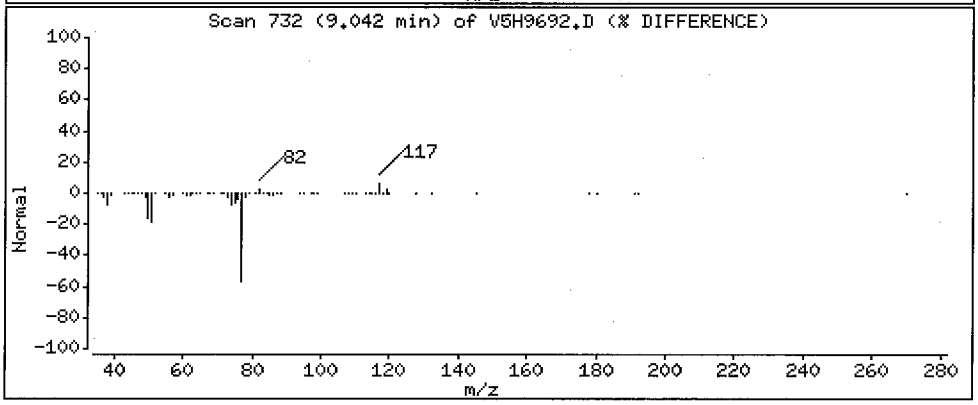












Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9692.D

Date : 18-AUG-2007 00:24

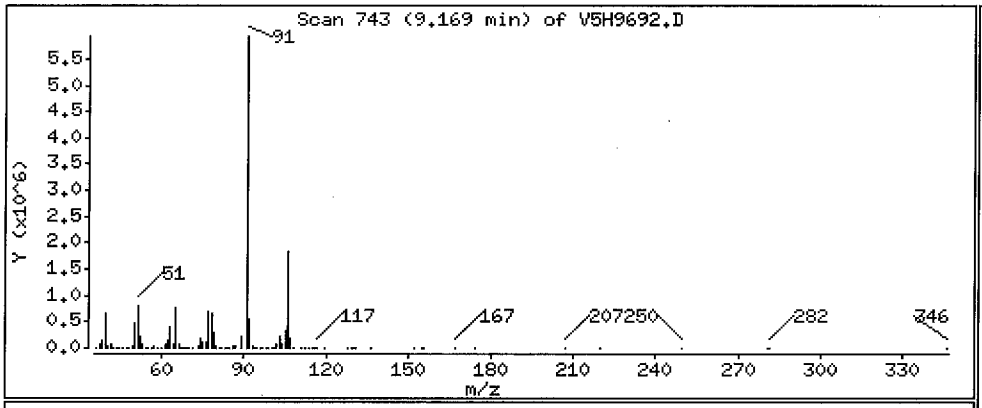
Client ID: MWOB-02 Instrument: V5.i

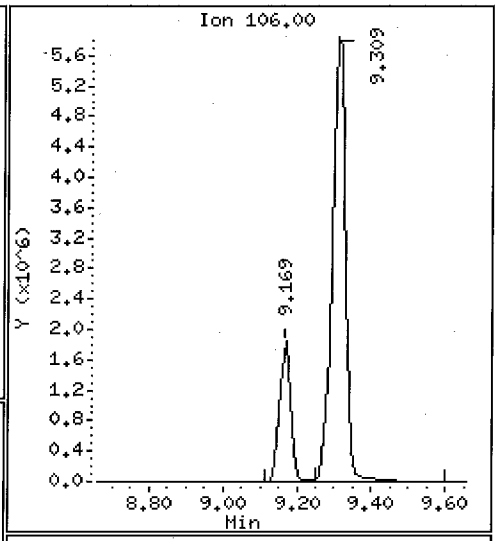
Sample Info: 25ML,F1105-01A,,31767

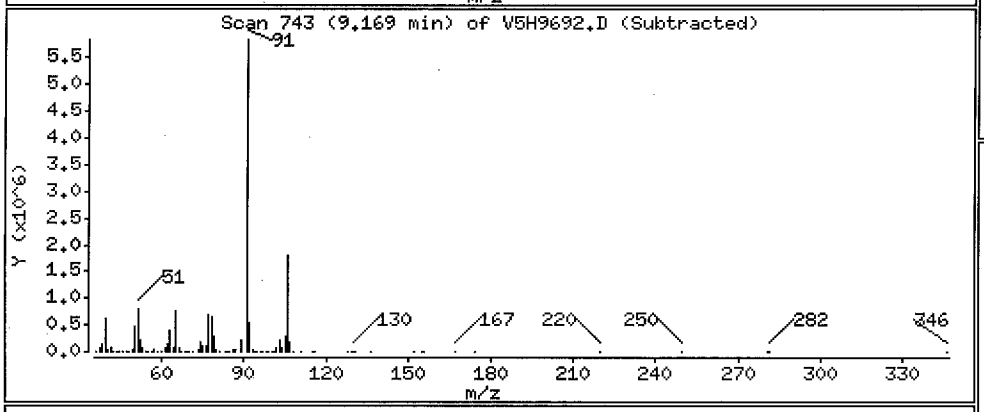
Purge Volume: 5.0 Operator: HZA SRC: LIMS

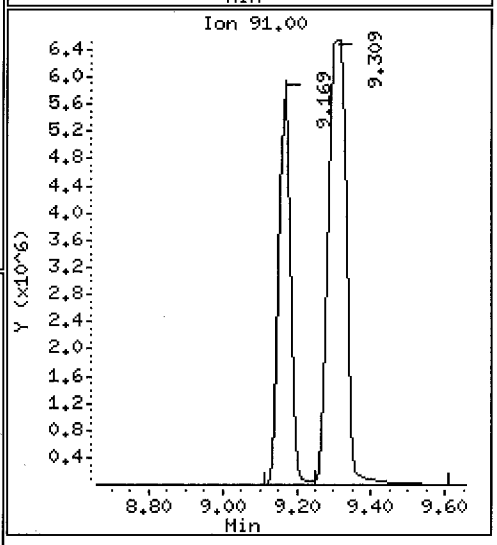
Column phase: DB-624 Column diameter: 0.25

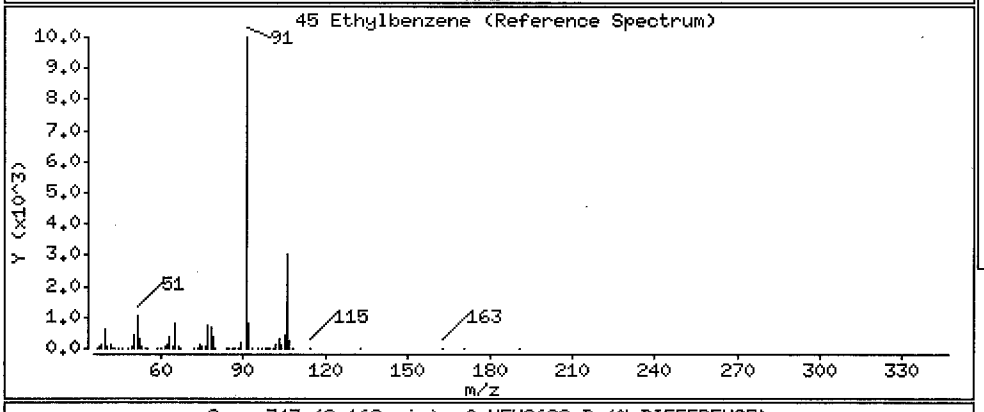
45 Ethylbenzene Concentration: 730 ug/L

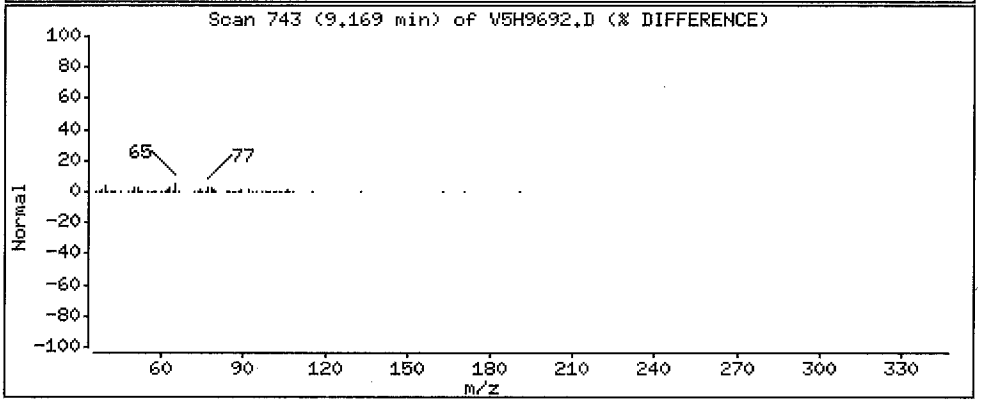












Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9692.D

Date : 18-AUG-2007 00:24

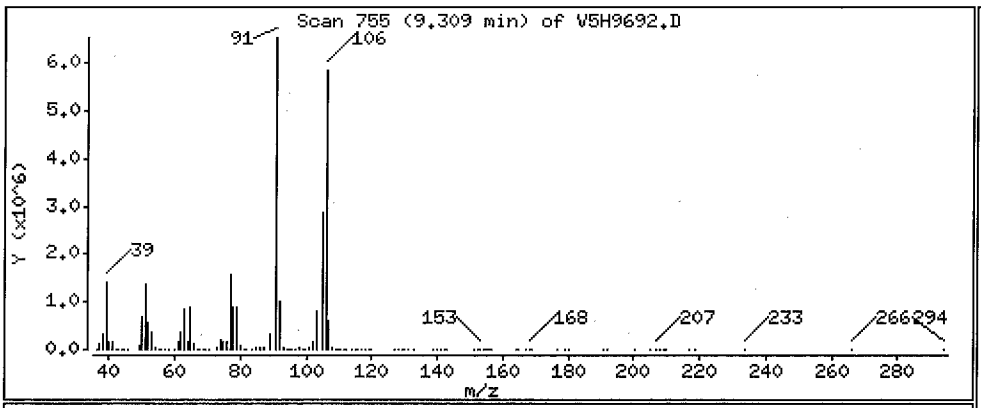
Client ID: MWOB-02 Instrument: V5.i

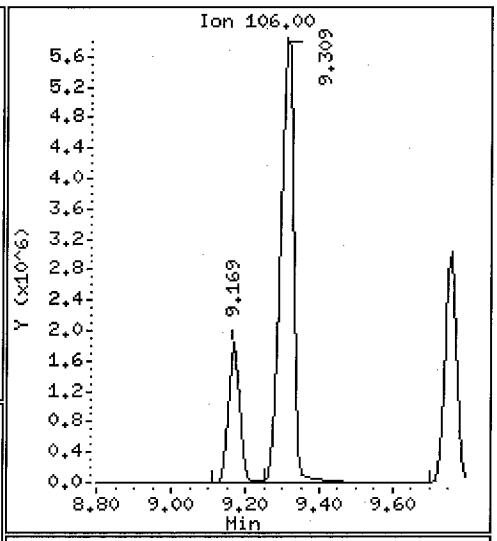
Sample Info: 25ML,F1105-01A,,31767

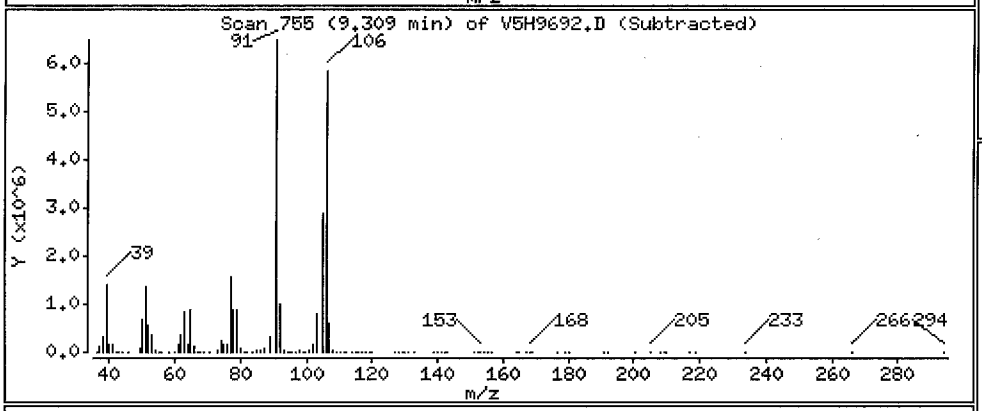
Purge Volume: 5.0 Operator: HZA SRC: LIMS

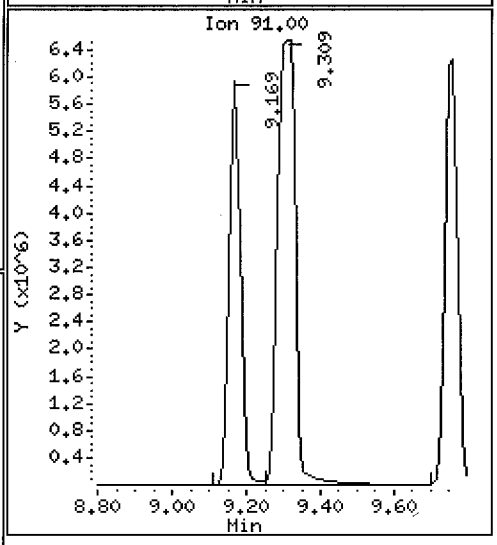
Column phase: DB-624 Column diameter: 0.25

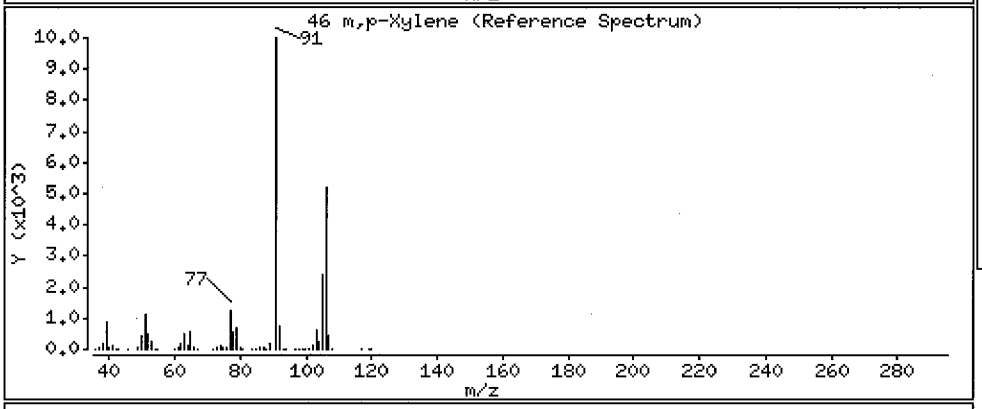
46 m,p-Xylene Concentration: 2400 ug/L

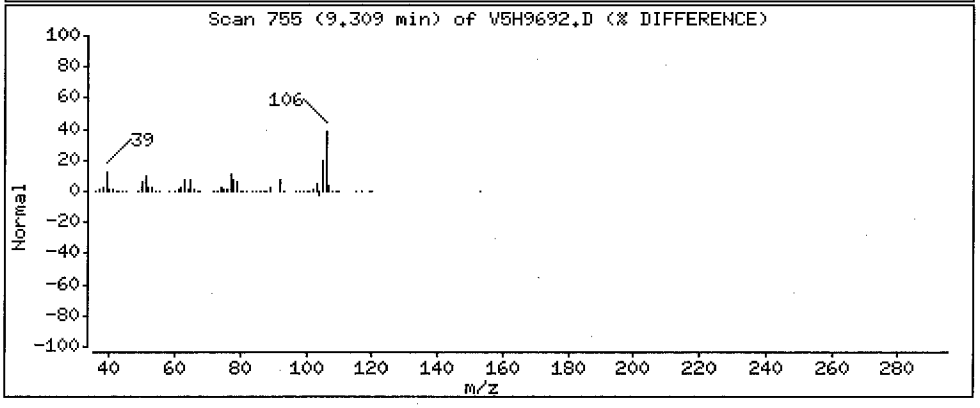












Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9692.D

Date : 18-AUG-2007 00:24

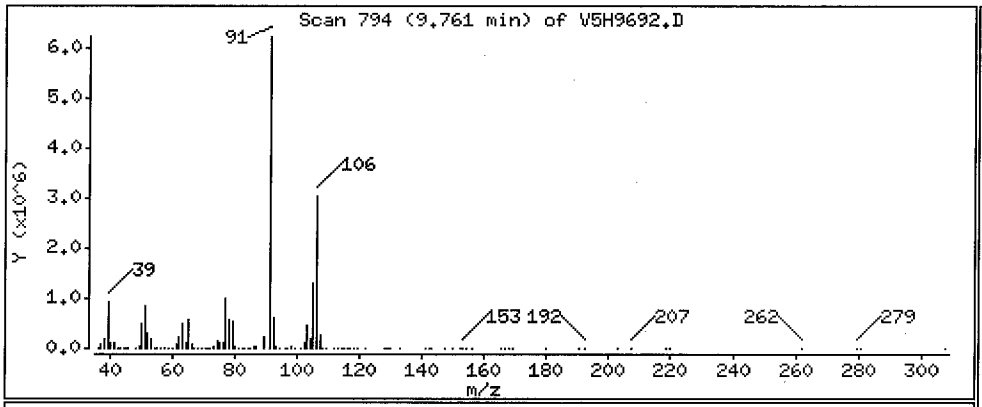
Client ID: MWOB-02 Instrument: V5.i

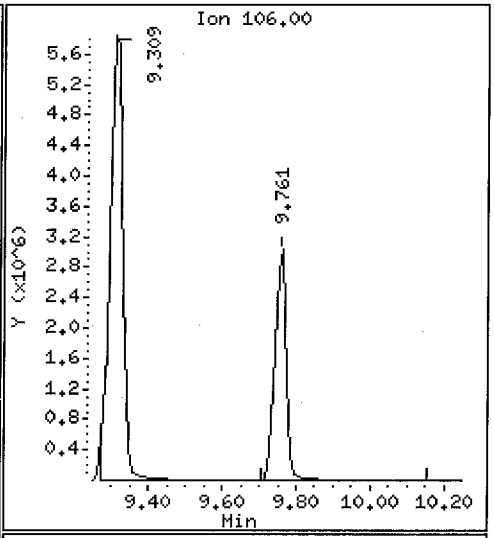
Sample Info: 25ML,F1105-01A,,31767

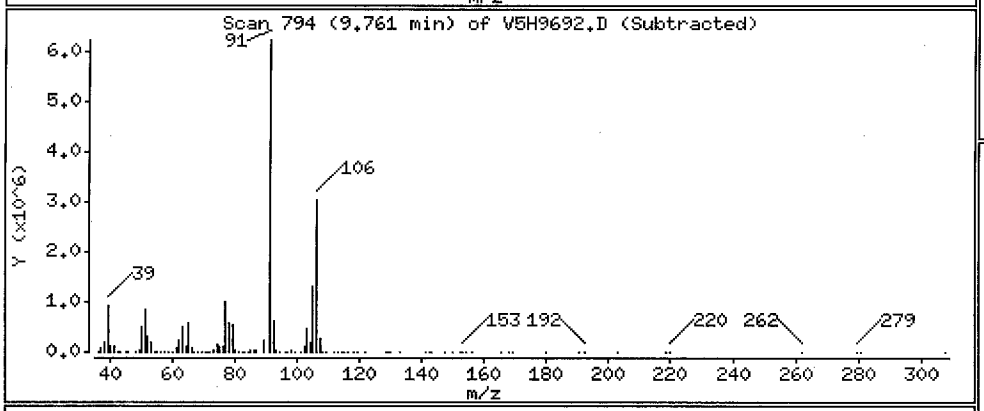
Purge Volume: 5.0 Operator: HZA SRC: LIMS

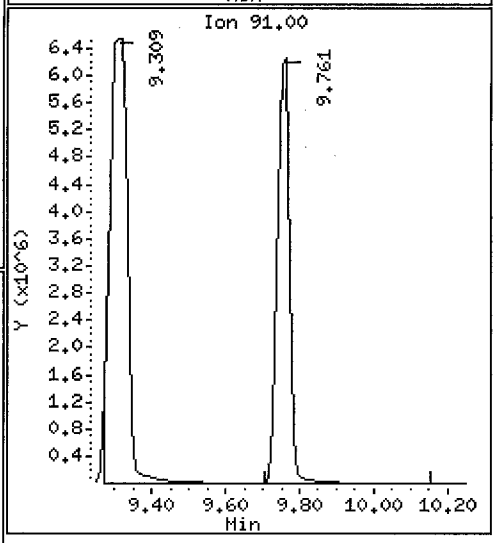
Column phase: DB-624 Column diameter: 0.25

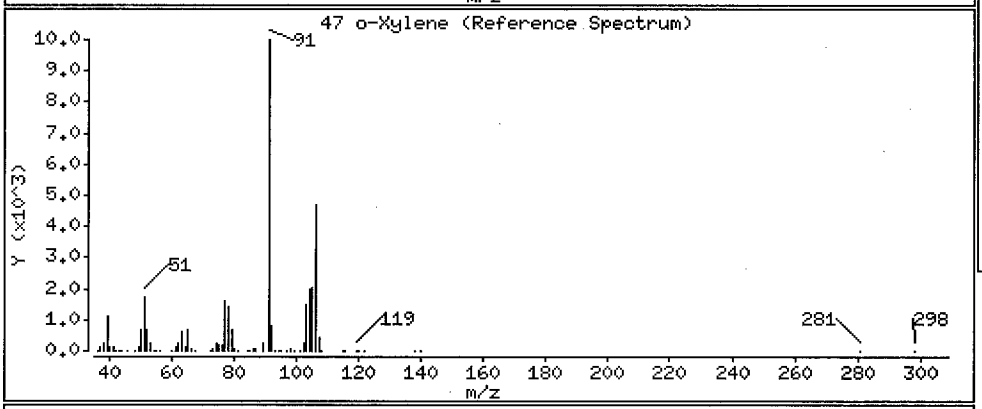
47 o-Xylene Concentration: 1000 ug/L

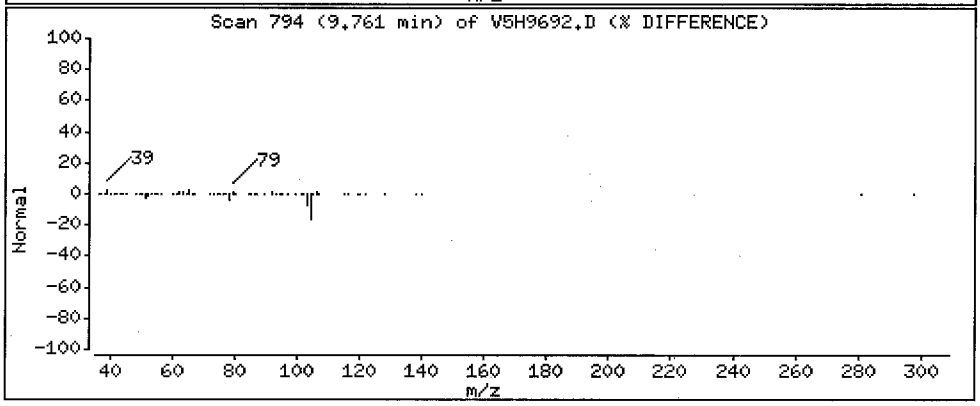












Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9692.D

Date : 18-AUG-2007 00:24

Client ID: MWOB-02

Instrument: V5.i

Sample Info: 25ML,F1105-01A,,31767

Purge Volume: 5.0

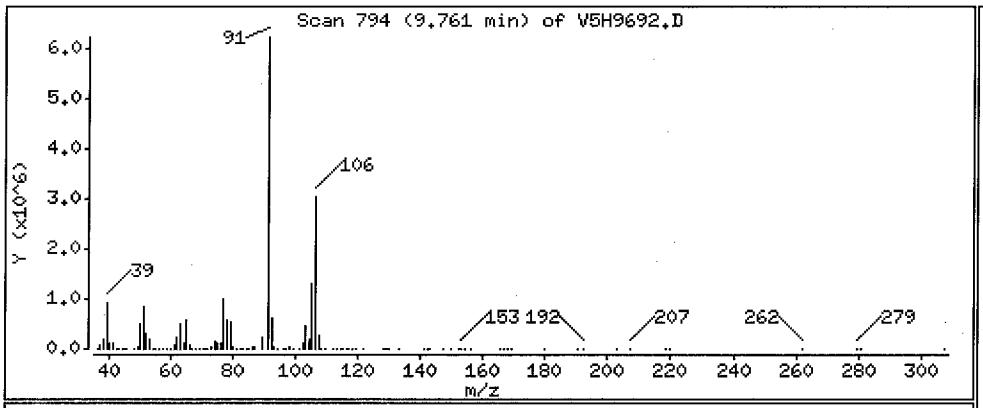
Operator: HZA SRC: LIMS

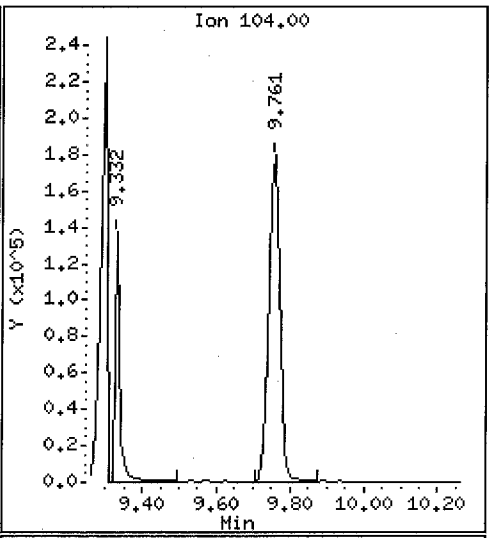
Column phase: DB-624

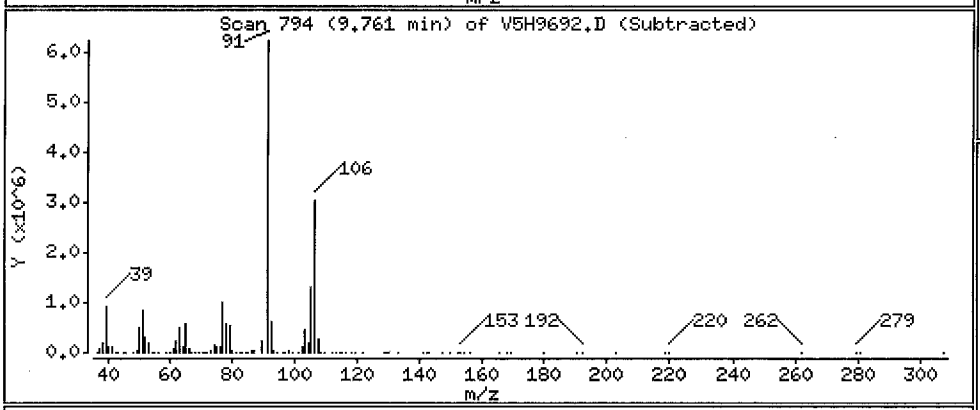
Column diameter: 0.25

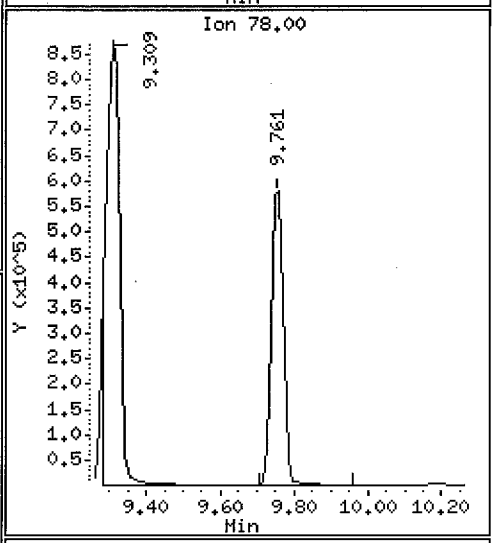
48 Styrene

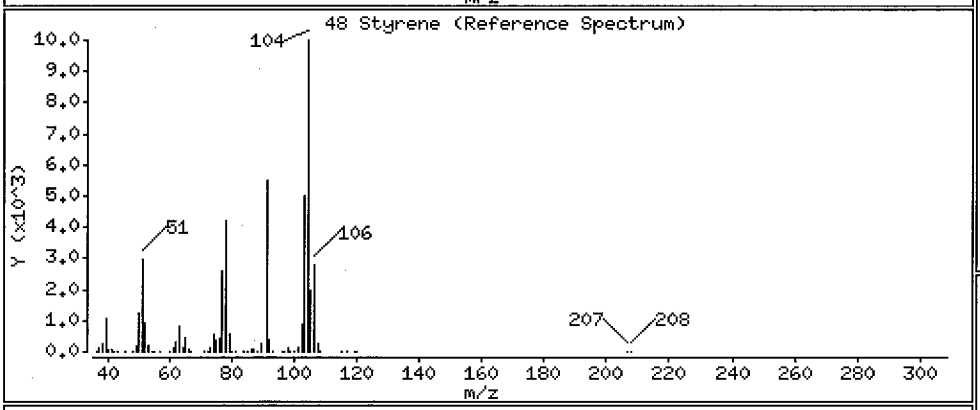
Concentration: 55 ug/L

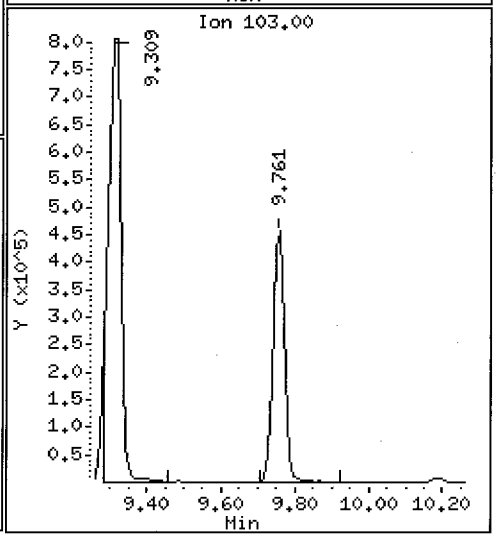


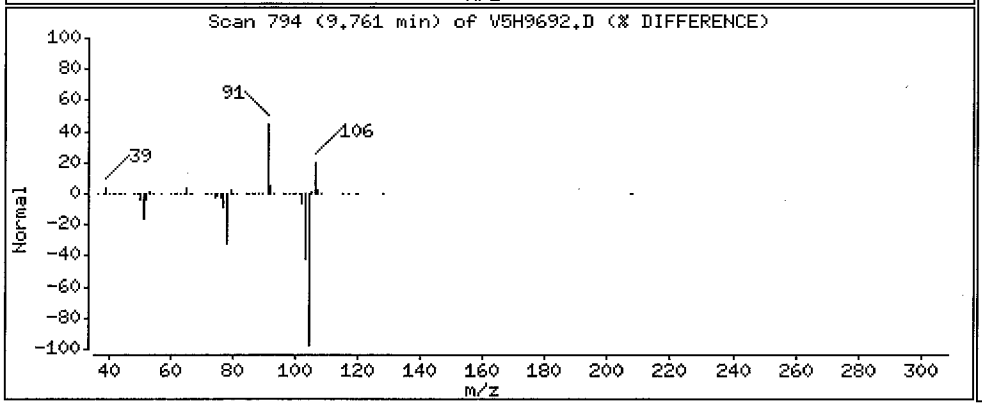












Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9692.D

Date : 18-AUG-2007 00:24

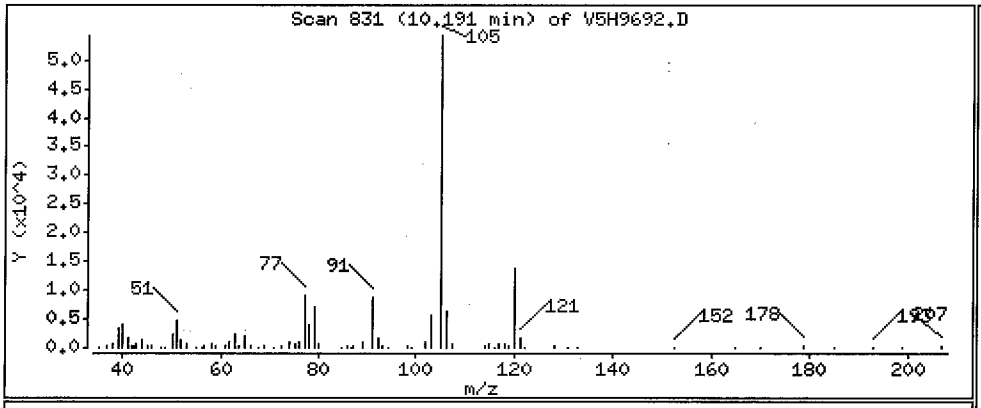
Client ID: MWOB-02 Instrument: V5.i

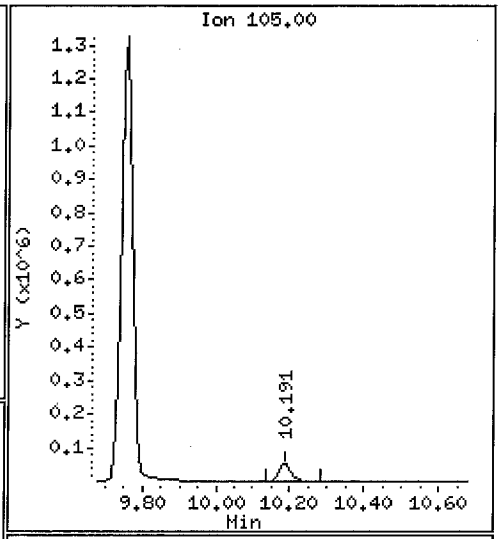
Sample Info: 25ML,F1105-01A,,31767

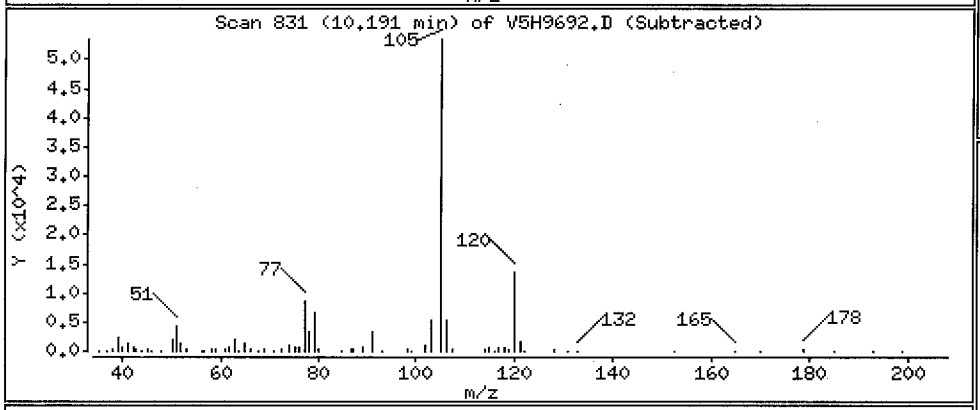
Purge Volume: 5.0 Operator: HZA SRC: LIMS

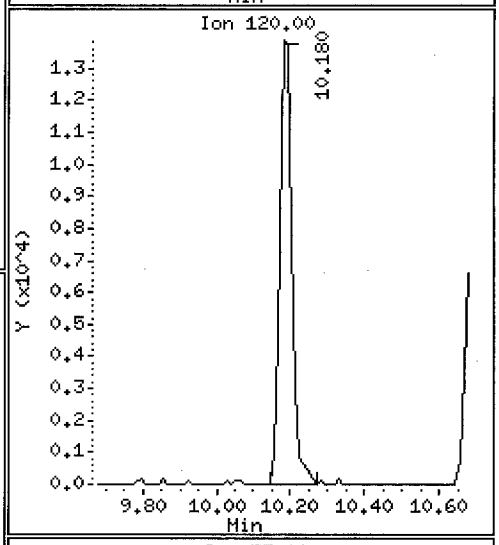
Column phase: DB-624 Column diameter: 0.25

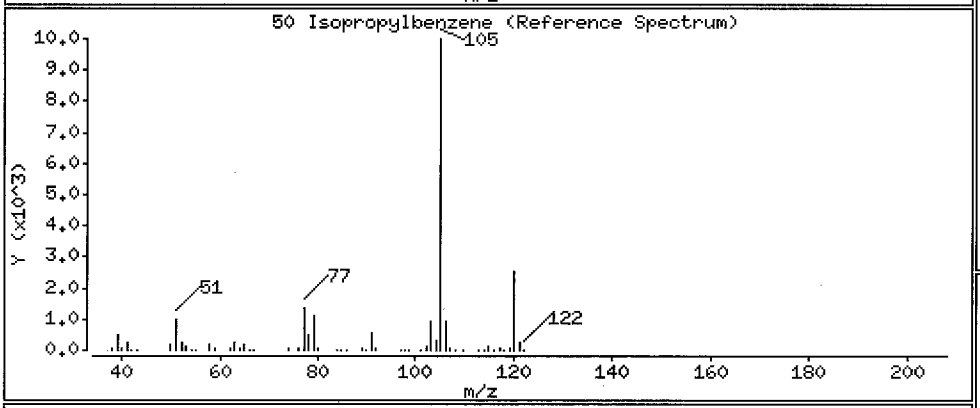
50 Isopropylbenzene Concentration: 7 ug/L

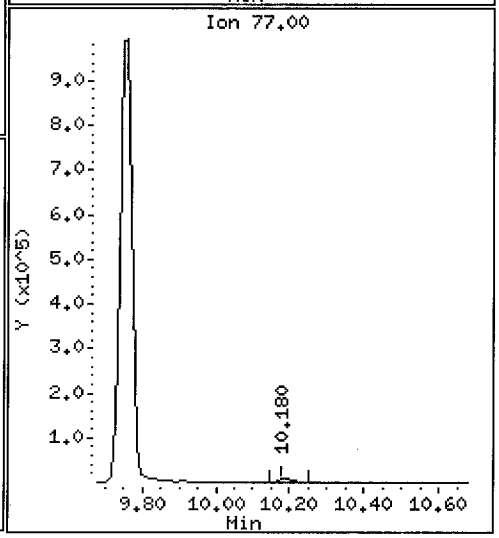


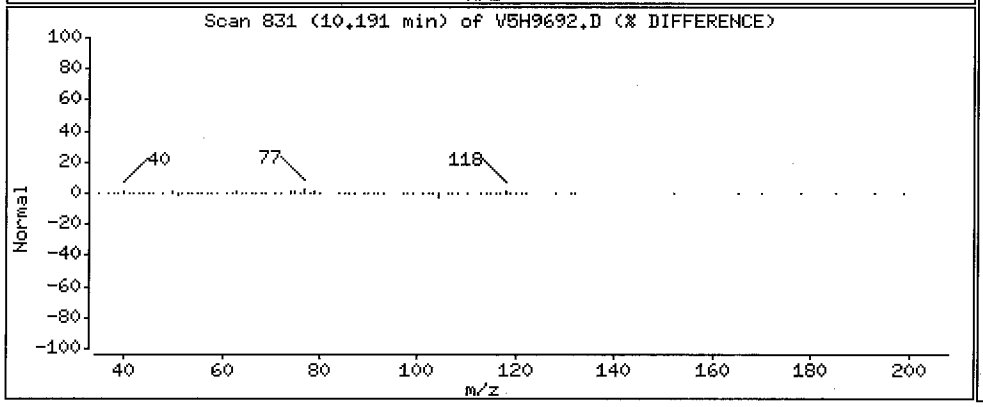












Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9692.D

Date : 18-AUG-2007 00:24

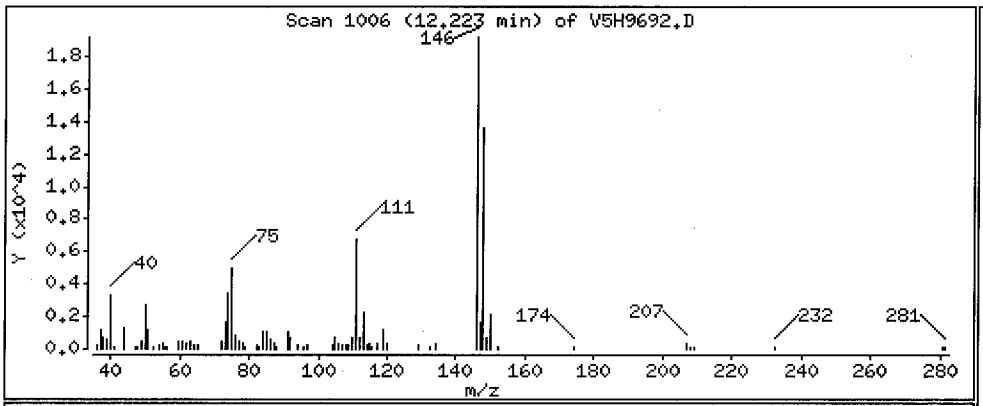
Client ID: MWOB-02 Instrument: V5.i

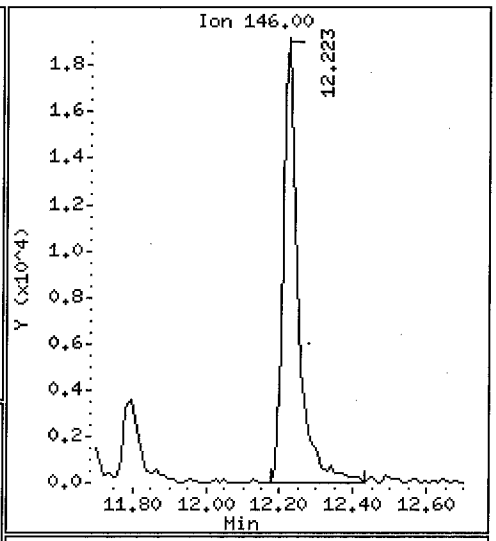
Sample Info: 25ML,F1105-01A,,31767

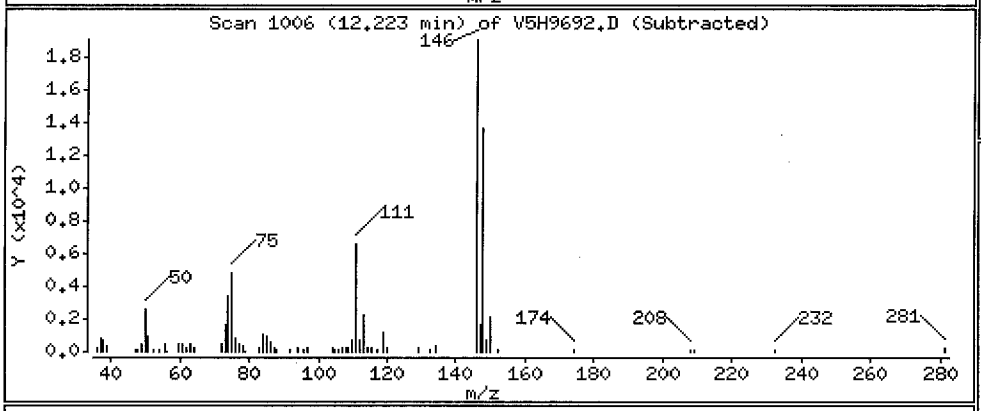
Purge Volume: 5.0 Operator: HZA SRC: LIMS

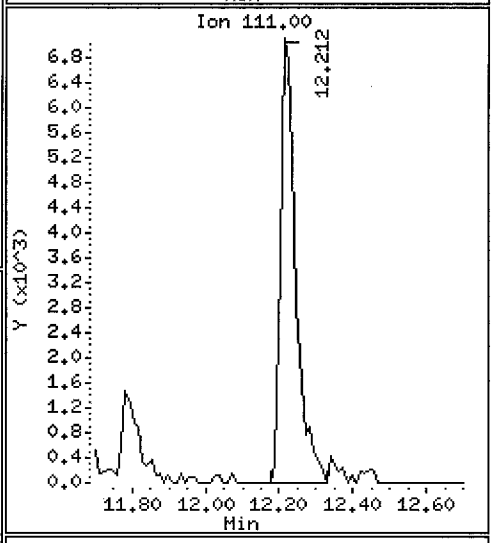
Column phase: DB-624 Column diameter: 0.25

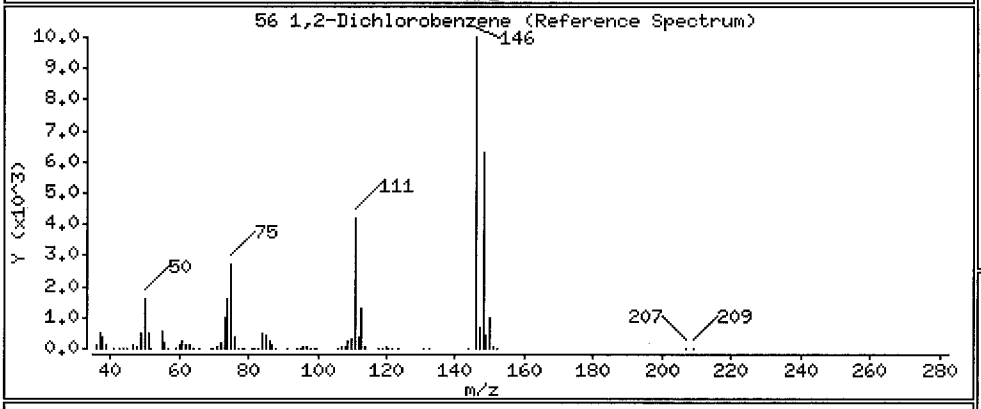
56 1,2-Dichlorobenzene Concentration: 6 ug/L

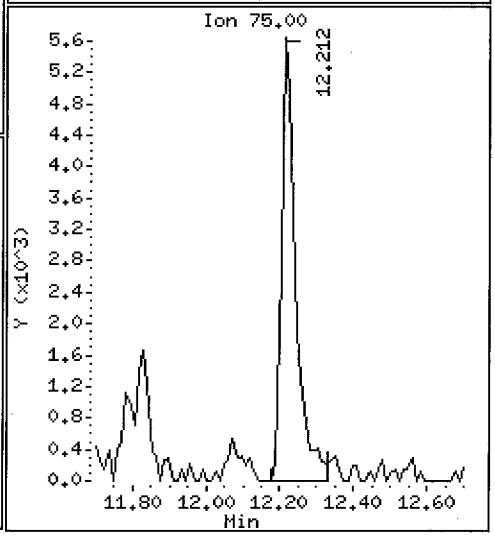


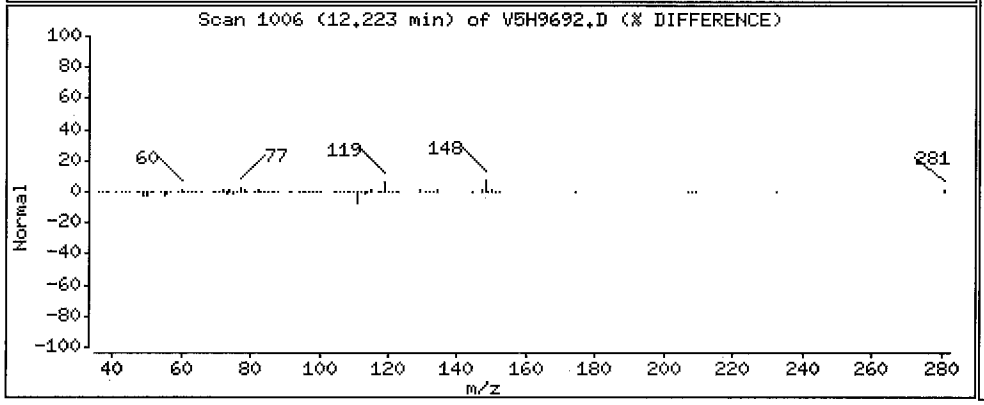












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Date : 18-AUG-2007 00:24

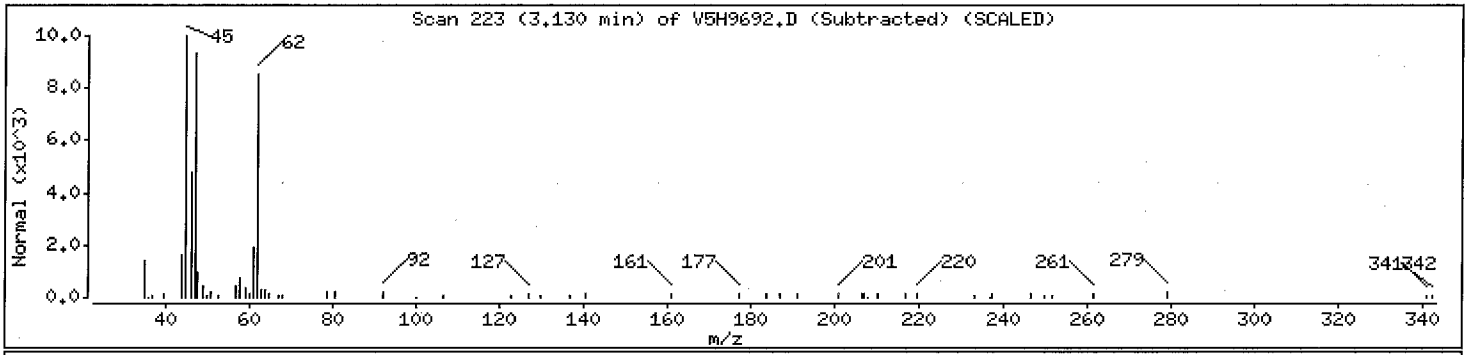
Client ID: MWOB-02 Instrument: V5.i

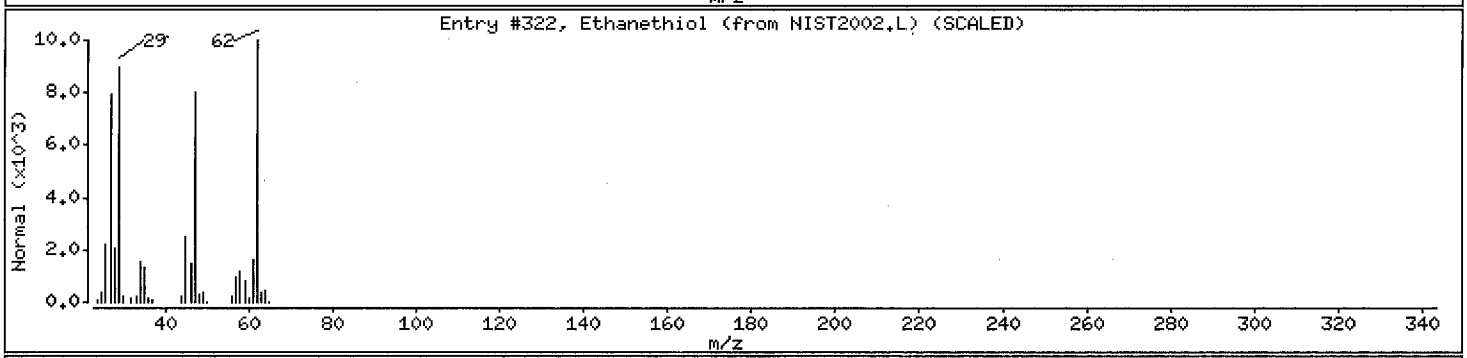
Sample Info: 25ML,F1105-01A,,31767

Purge Volume: 5.0 Operator: HZA SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Ethanethiol	75-08-1	NIST2002.L	322	64	C2H6S	62





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Date : 18-AUG-2007 00:24

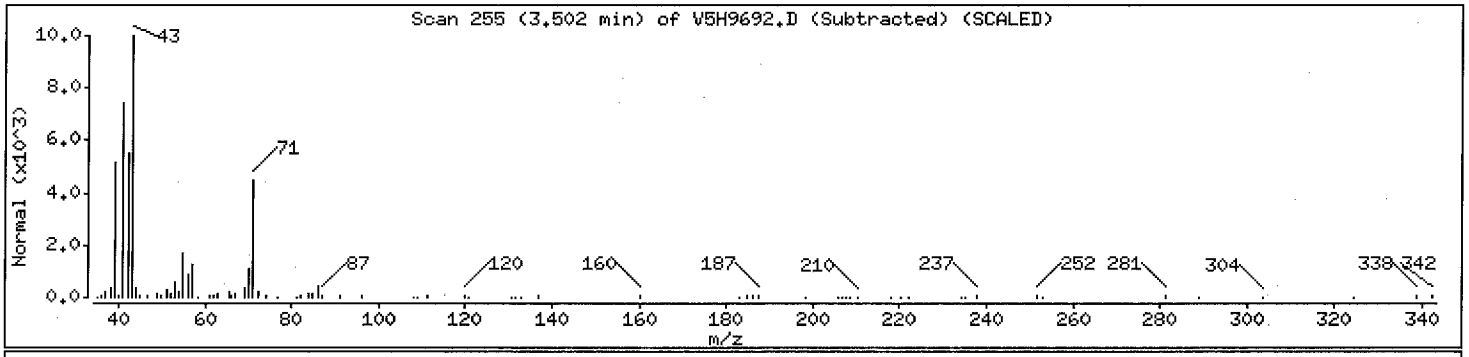
Client ID: MWOB-02 Instrument: V5.i

Sample Info: 25ML,F1105-01A,,31767

Purge Volume: 5.0 Operator: HZA SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Unknown			0	0		0



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Date : 18-AUG-2007 00:24

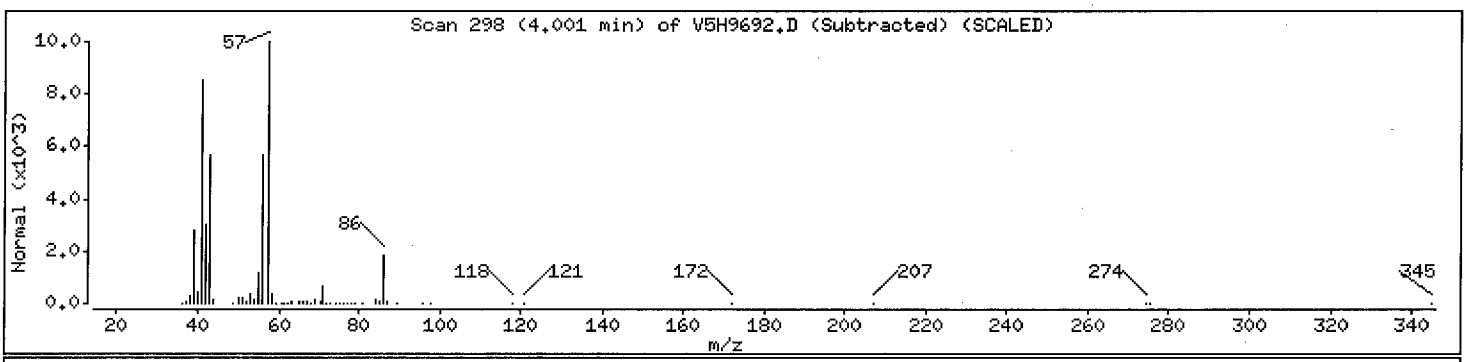
Client ID: MWOB-02 Instrument: V5.i

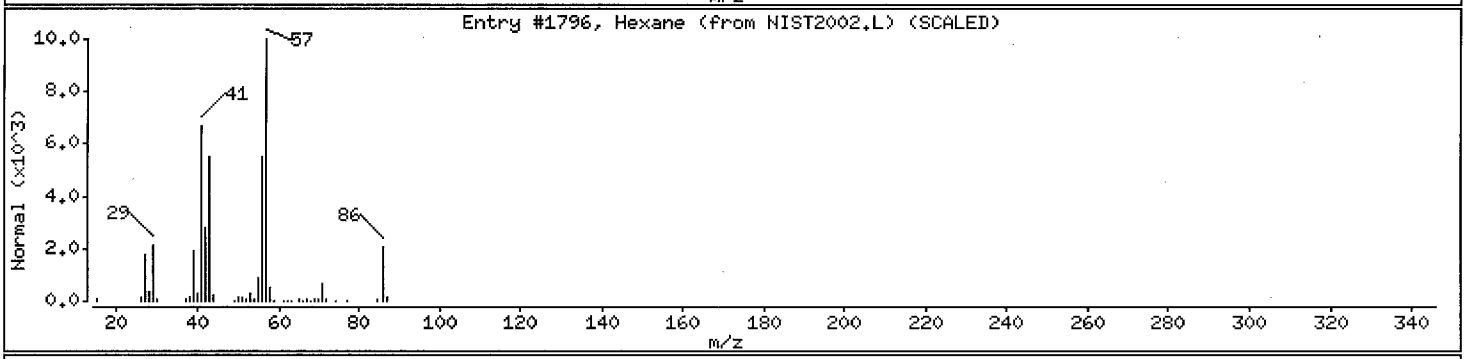
Sample Info: 25ML,F1105-01A,,31767

Purge Volume: 5.0 Operator: HZA SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Straight-chain Alkane						
Hexane	110-54-3	NIST2002.L	1796	90	C6H14	86





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Date : 18-AUG-2007 00:24

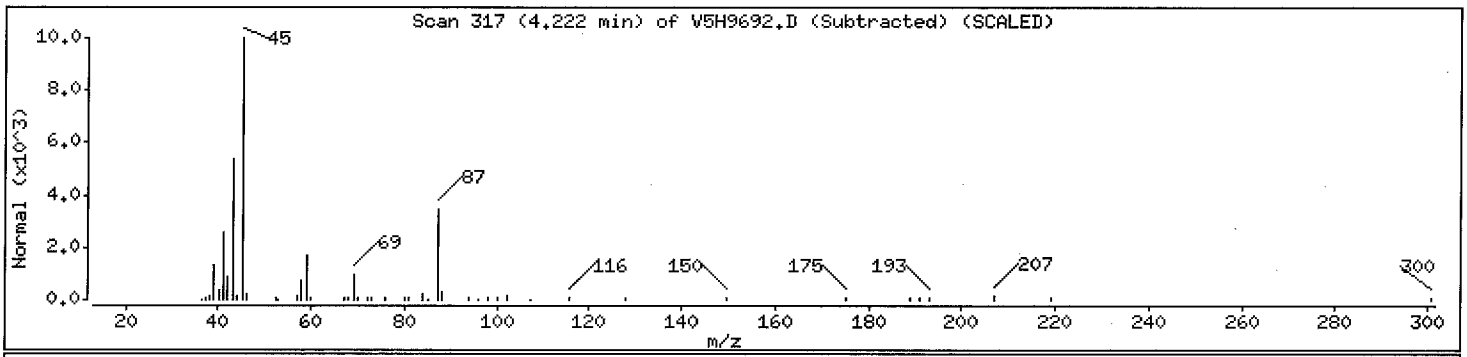
Client ID: MWOB-02 Instrument: V5.i

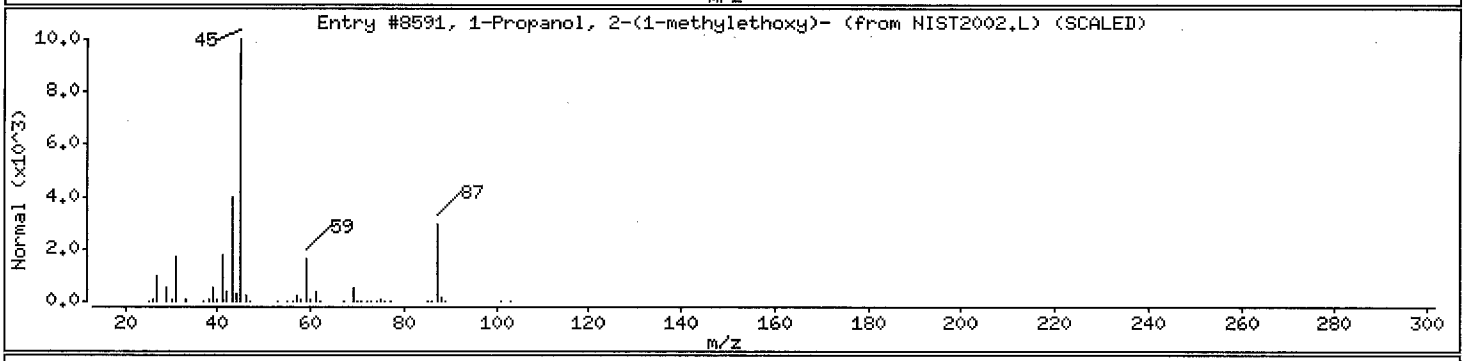
Sample Info: 25ML,F1105-01A,,31767

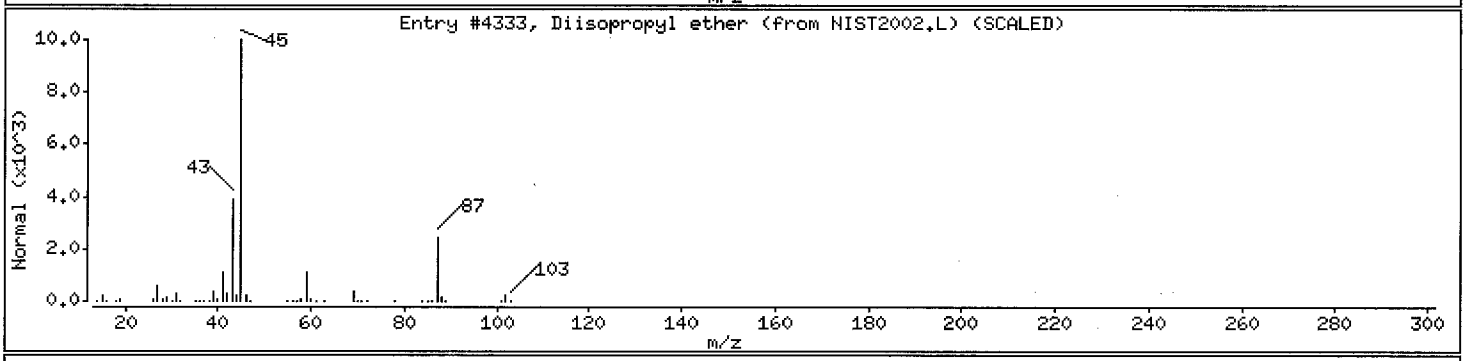
Purge Volume: 5.0 Operator: HZA SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1-Propanol, 2-(1-methylethoxy)-	3944-37-4	NIST2002.L	8591	78	C6H14O2	118
Diisopropyl ether	108-20-3	NIST2002.L	4333	64	C6H14O	102







Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9692.D

Date : 18-AUG-2007 00:24

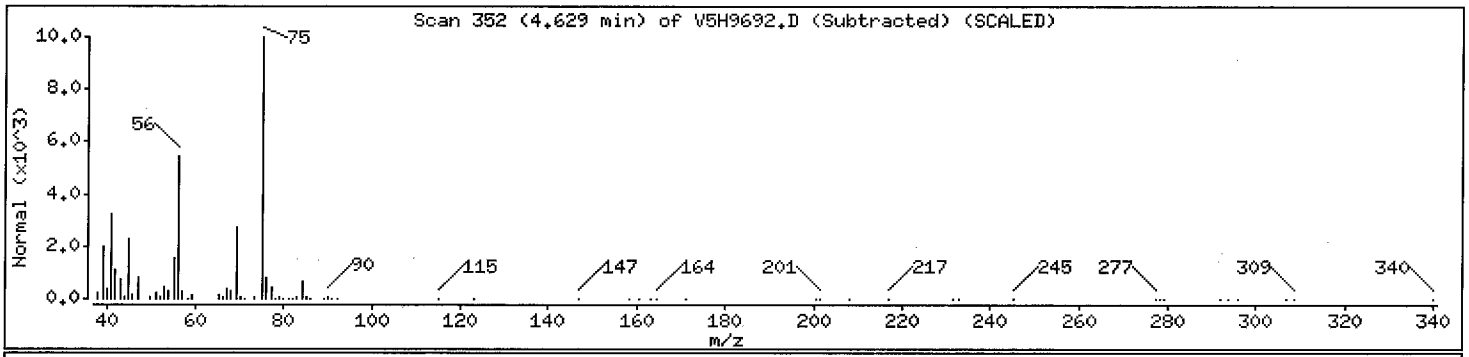
Client ID: MWOB-02 Instrument: V5.i

Sample Info: 25ML,F1105-01A,,31767

Purge Volume: 5.0 Operator: HZA SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Unknown			0	0		0



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Date : 18-AUG-2007 00:24

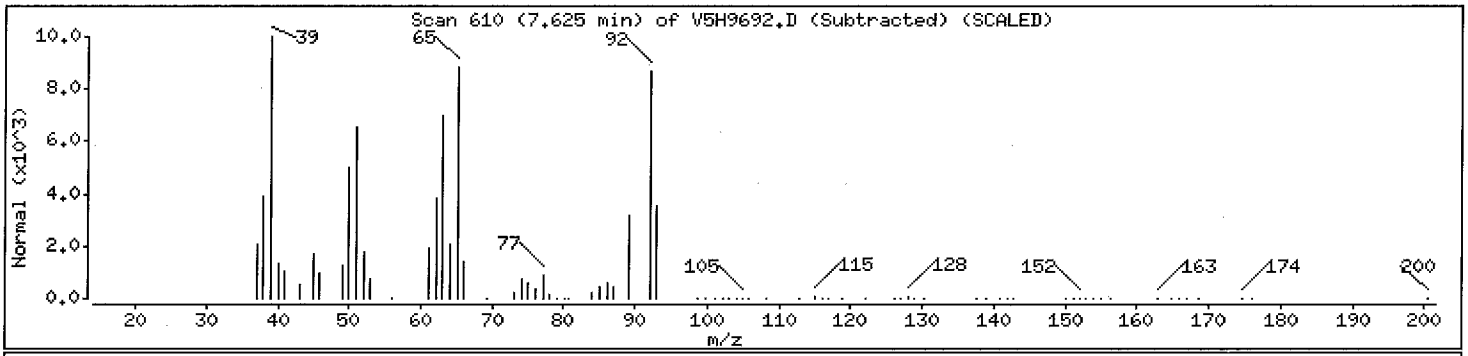
Client ID: MWOB-02 Instrument: V5.i

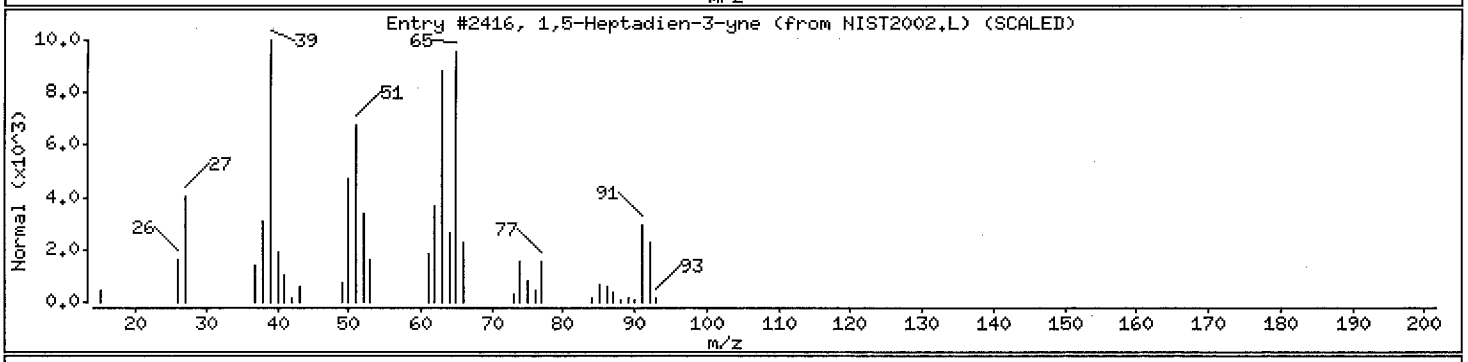
Sample Info: 25ML,F1105-01A,,31767

Purge Volume: 5.0 Operator: HZA SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1,5-Heptadien-3-yne	3511-27-1	NIST2002.L	2416	72	C7H8	92





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Date : 18-AUG-2007 00:24

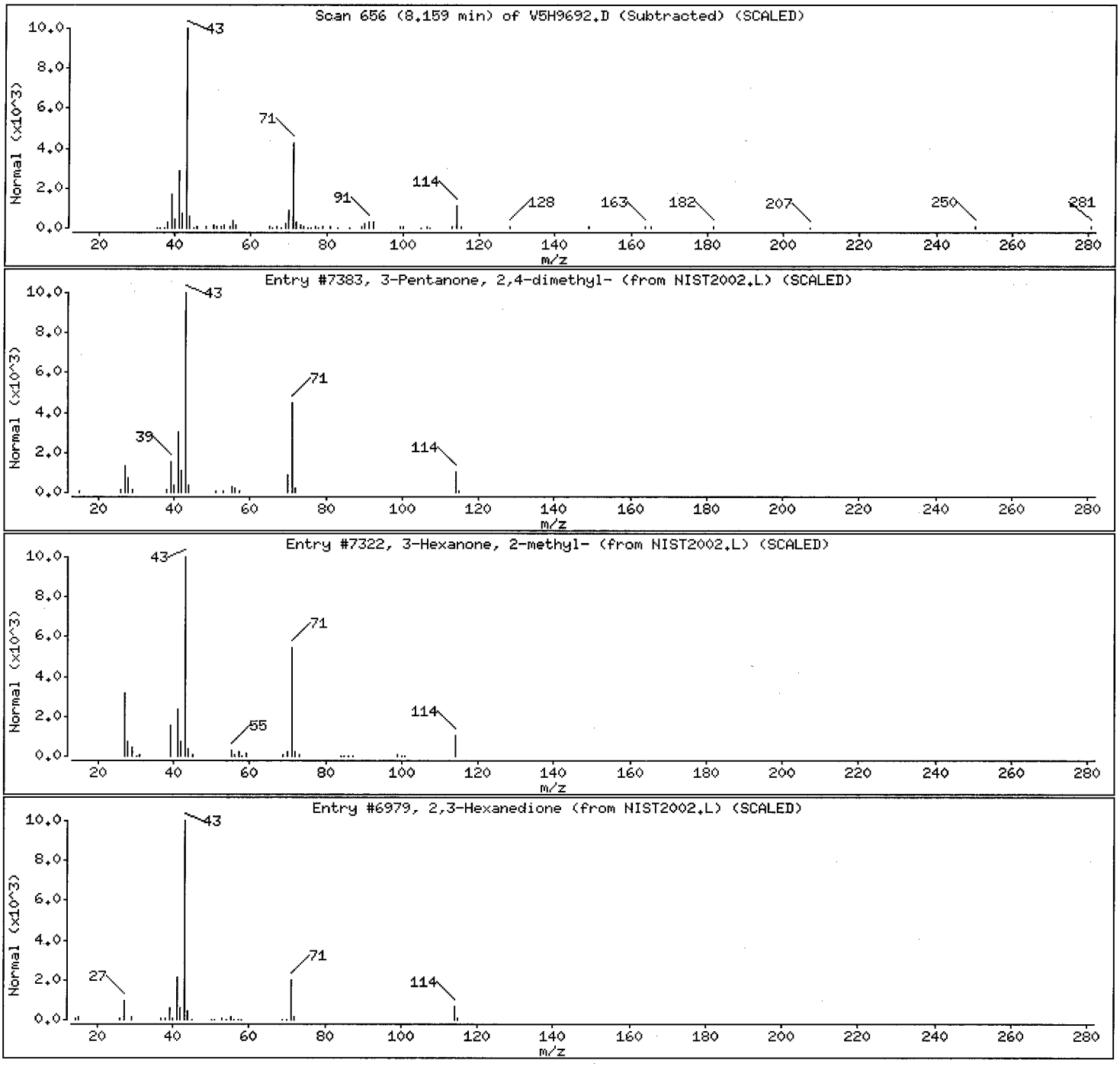
Client ID: MWOB-02 Instrument: V5.i

Sample Info: 25ML,F1105-01A,,31767

Purge Volume: 5.0 Operator: HZA SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3-Pentanone, 2,4-dimethyl-	565-80-0	NIST2002.L	7383	74	C7H14O	114
3-Hexanone, 2-methyl-	7379-12-6	NIST2002.L	7322	72	C7H14O	114
2,3-Hexanedione	3848-24-6	NIST2002.L	6979	64	C6H10O2	114



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Date : 18-AUG-2007 00:24

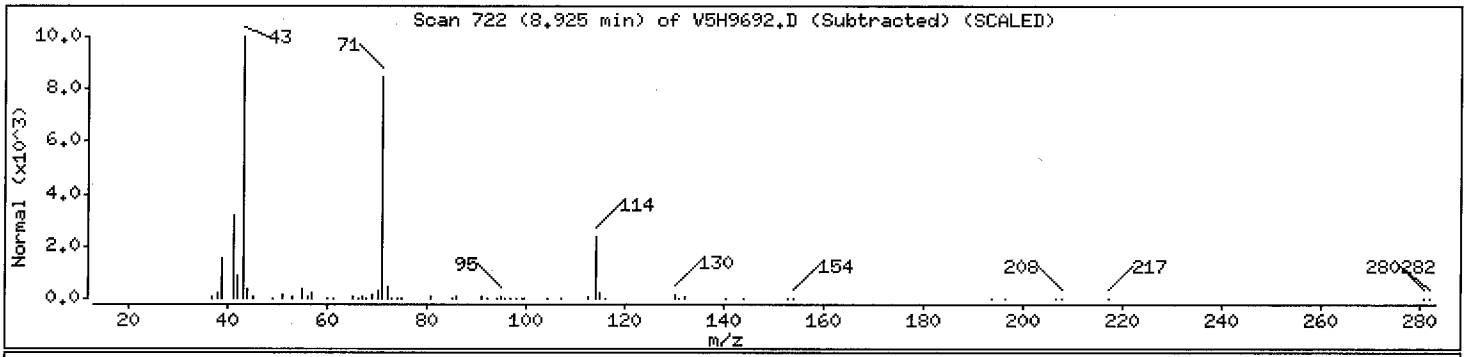
Client ID: MWOB-02 Instrument: V5.i

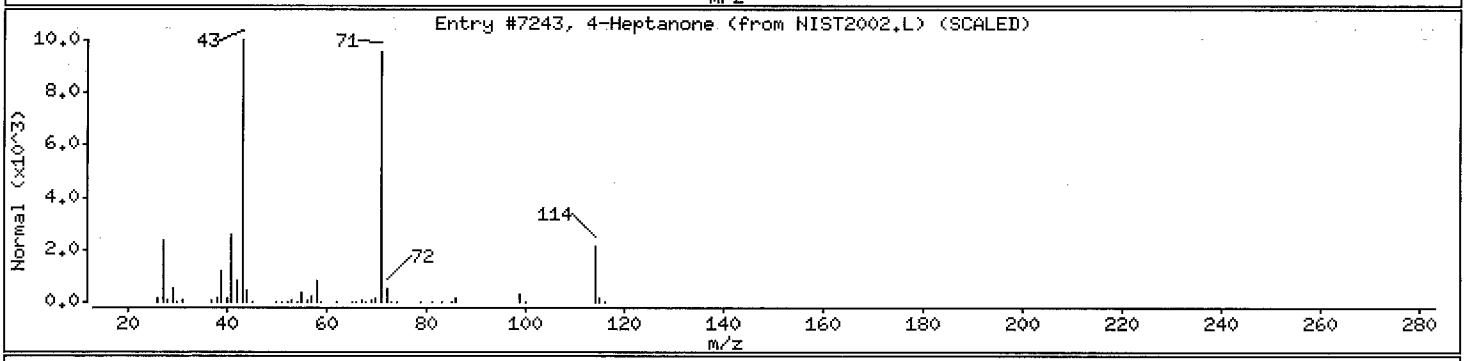
Sample Info: 25ML,F1105-01A,,31767

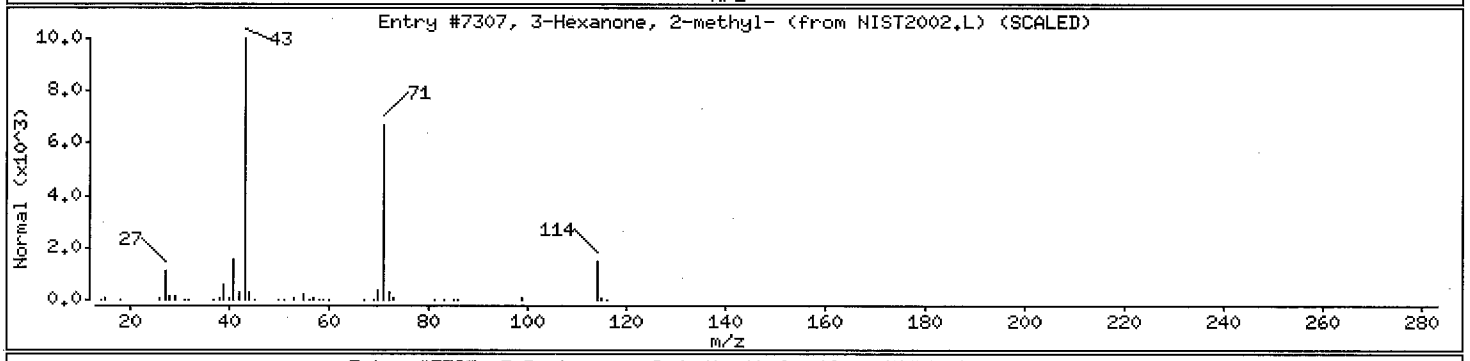
Purge Volume: 5.0 Operator: HZA SRC: LIMS

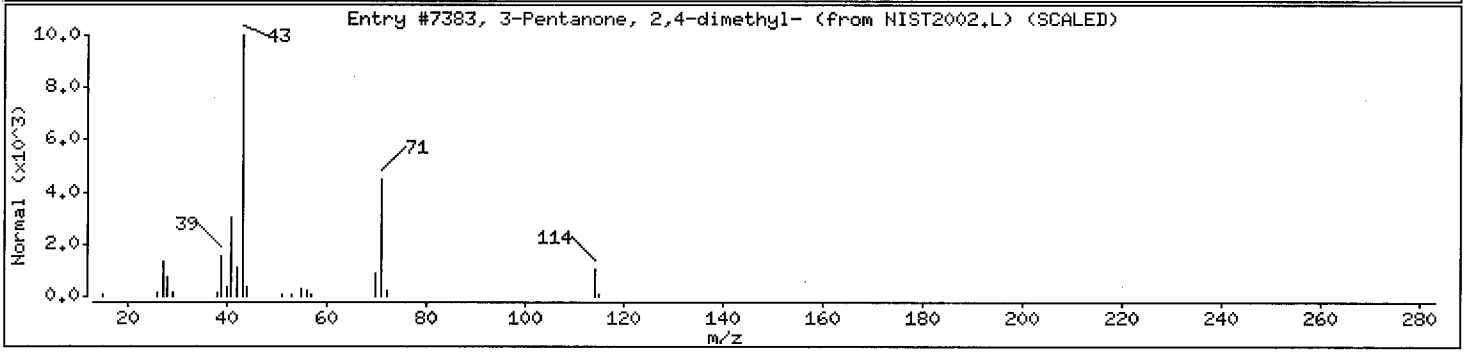
Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
4-Heptanone	123-19-3	NIST2002.L	7243	90	C7H14O	114
3-Hexanone, 2-methyl-	7379-12-6	NIST2002.L	7307	78	C7H14O	114
3-Pentanone, 2,4-dimethyl-	565-80-0	NIST2002.L	7383	78	C7H14O	114









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Date : 18-AUG-2007 00:24

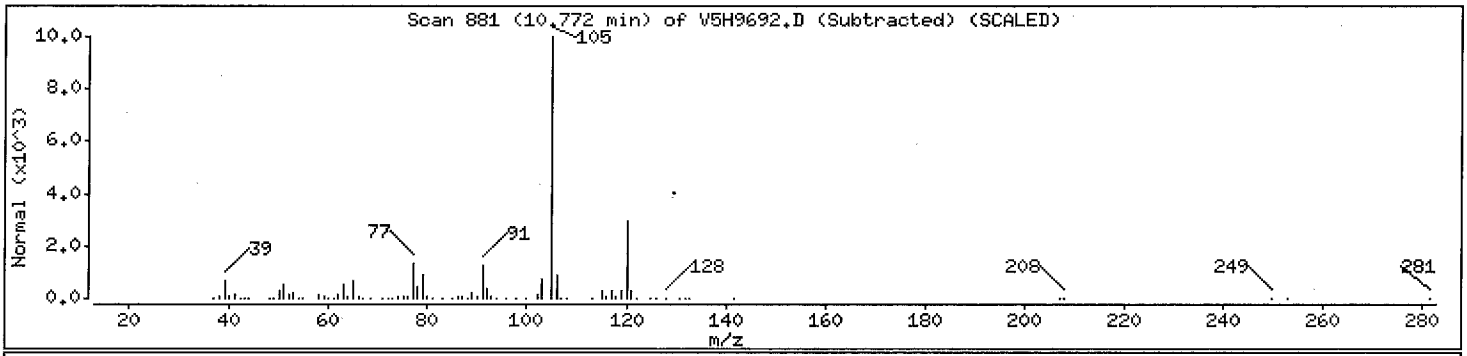
Client ID: MWOB-02 Instrument: V5.i

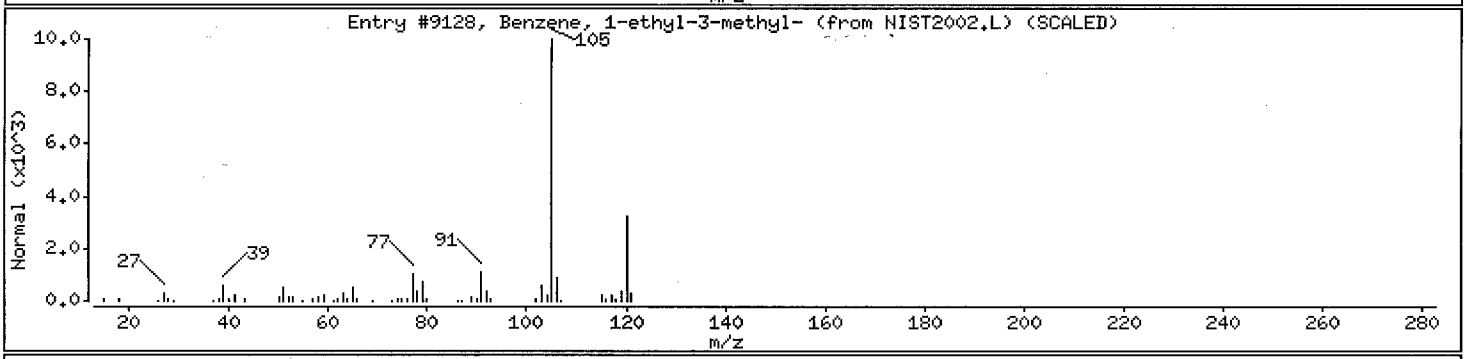
Sample Info: 25ML,F1105-01A,,31767

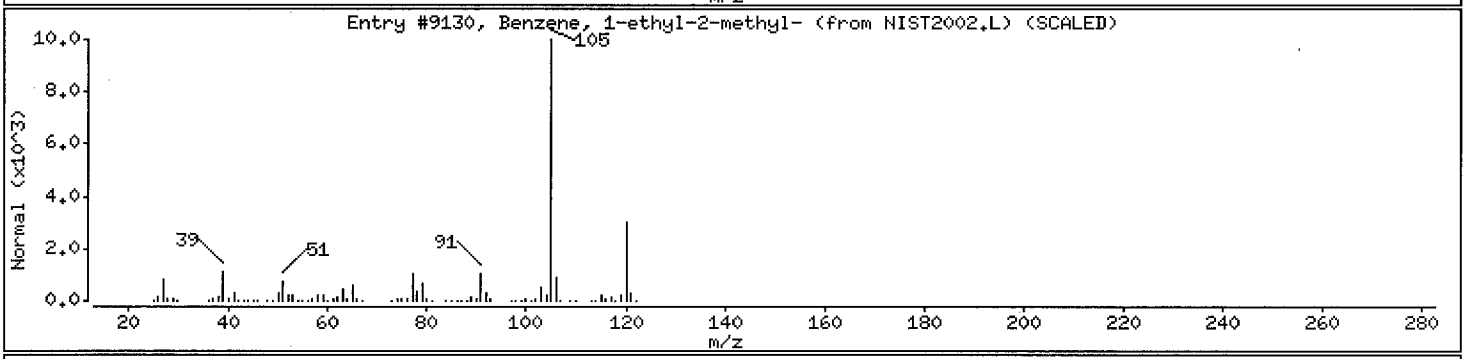
Purge Volume: 5.0 Operator: HZA SRC: LIMS

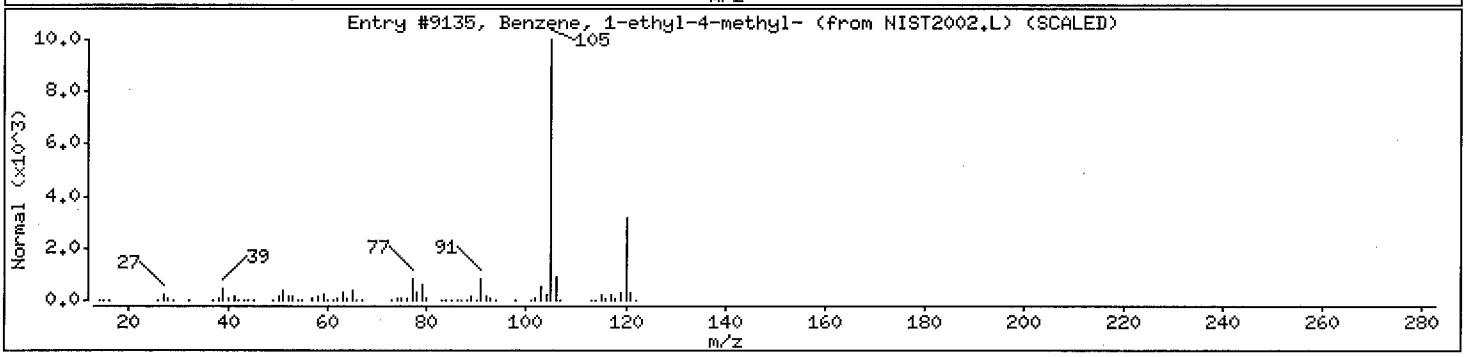
Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-3-methyl-	620-14-4	NIST2002.L	9128	95	C9H12	120
Benzene, 1-ethyl-2-methyl-	611-14-3	NIST2002.L	9130	94	C9H12	120
Benzene, 1-ethyl-4-methyl-	622-96-8	NIST2002.L	9135	91	C9H12	120









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Date : 18-AUG-2007 00:24

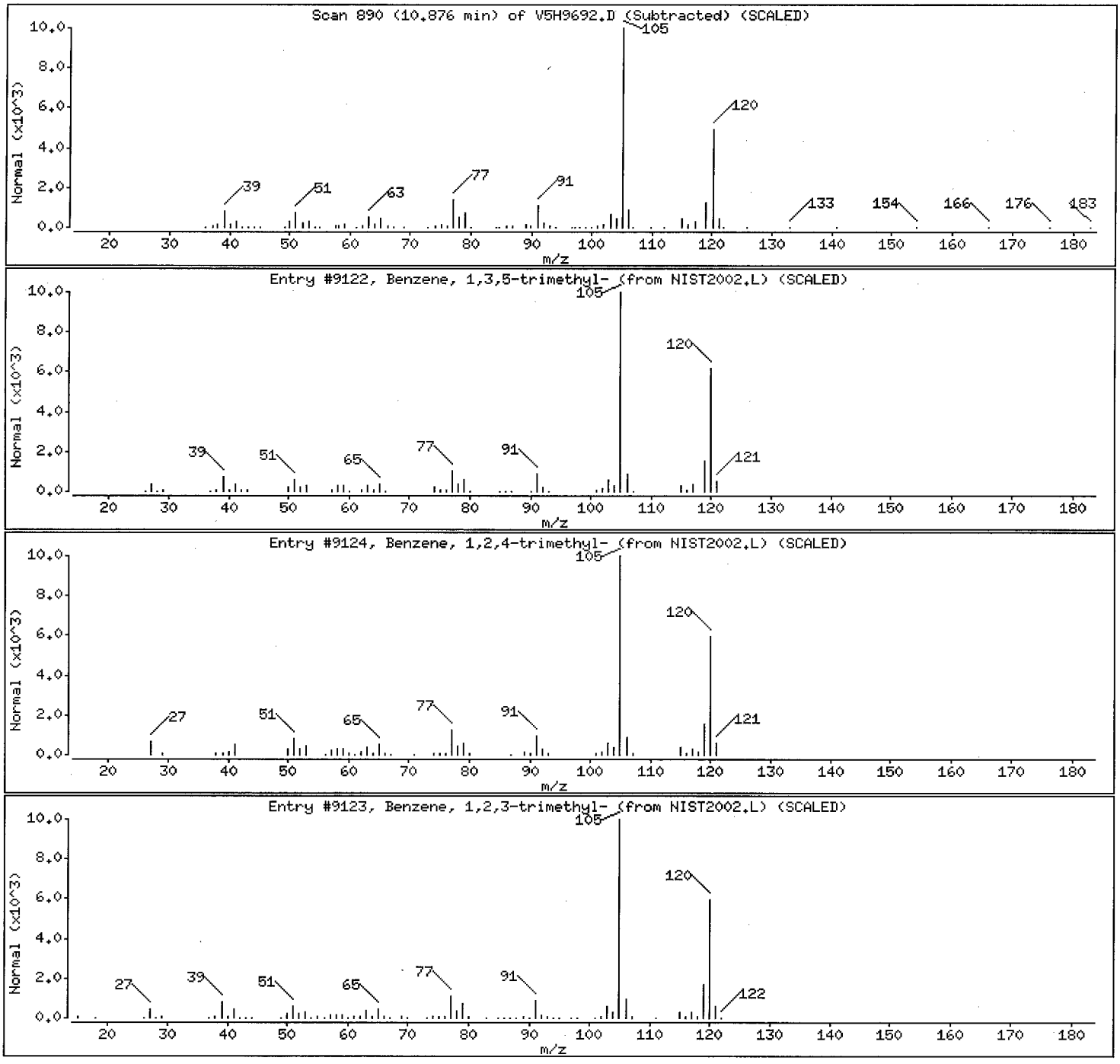
Client ID: MWOB-02 Instrument: V5.i

Sample Info: 25ML,F1105-01A,,31767

Purge Volume: 5.0 Operator: HZA SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,3,5-trimethyl-	108-67-8	NIST2002.L	9122	97	C9H12	120
Benzene, 1,2,4-trimethyl-	95-63-6	NIST2002.L	9124	95	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NIST2002.L	9123	95	C9H12	120



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Date : 18-AUG-2007 00:24

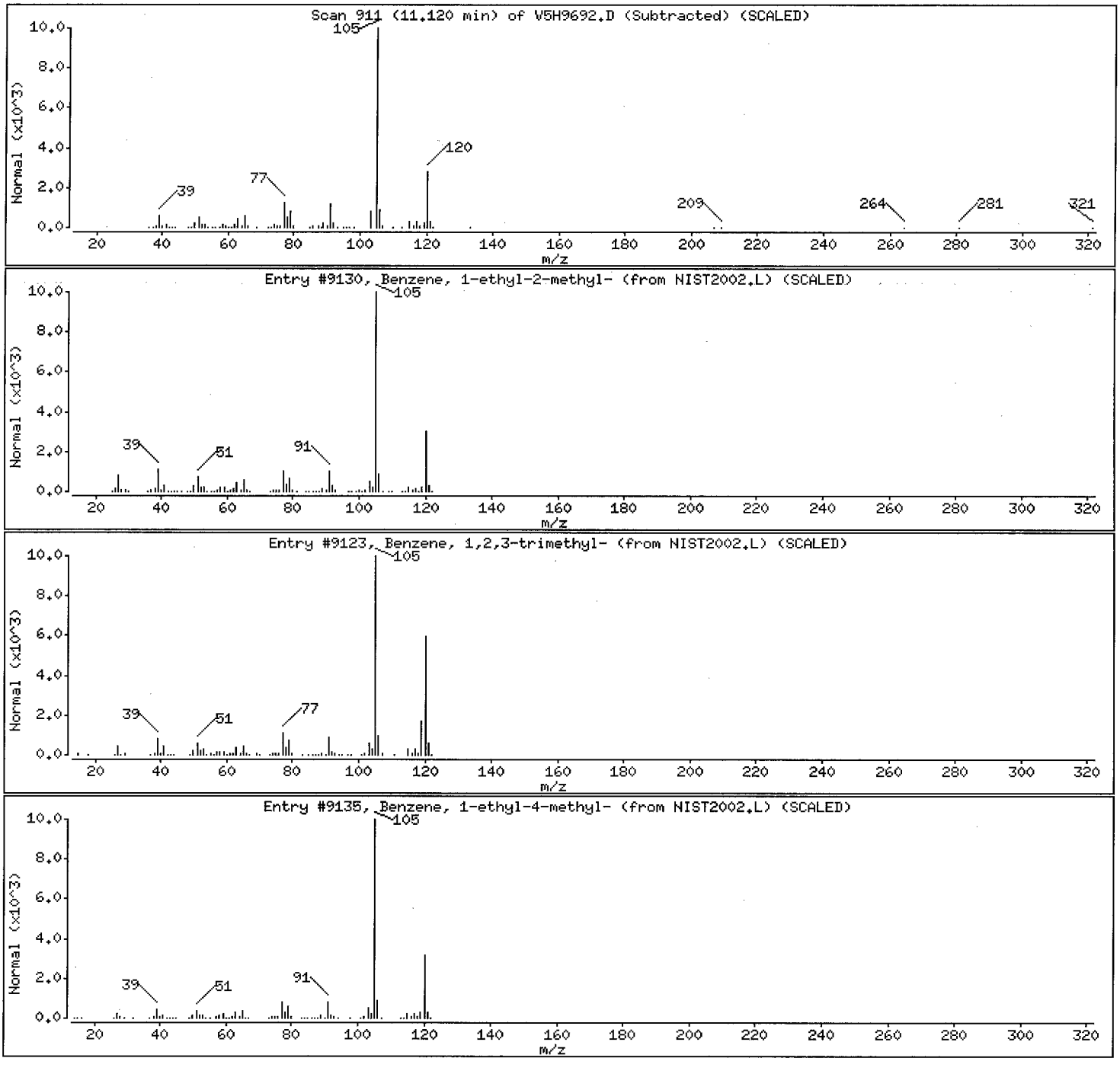
Client ID: MWOB-02 Instrument: V5.i

Sample Info: 25ML,F1105-01A,,31767

Purge Volume: 5.0 Operator: HZA SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1-ethyl-2-methyl-	611-14-3	NIST2002.L	9130	94	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NIST2002.L	9123	91	C9H12	120
Benzene, 1-ethyl-4-methyl-	622-96-8	NIST2002.L	9135	91	C9H12	120



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Date : 18-AUG-2007 00:24

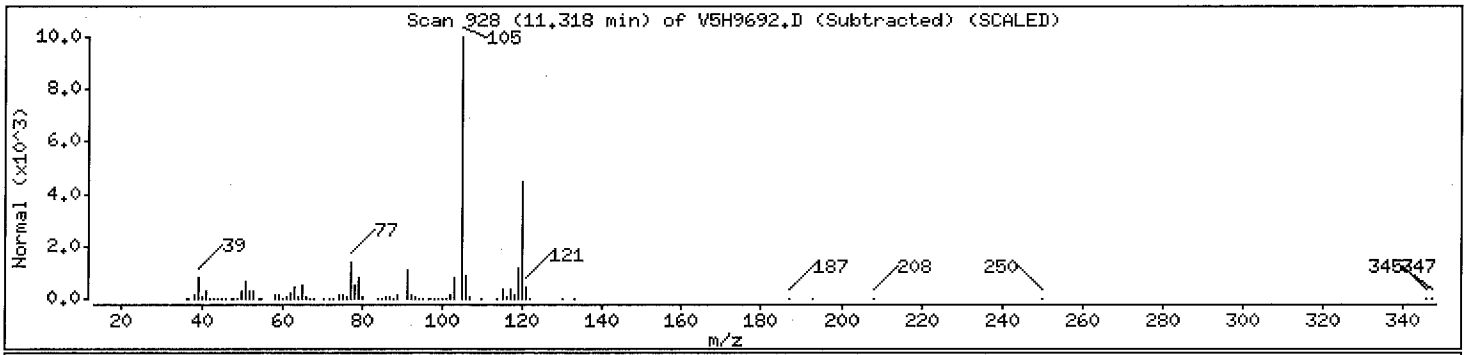
Client ID: MWOB-02 Instrument: V5.i

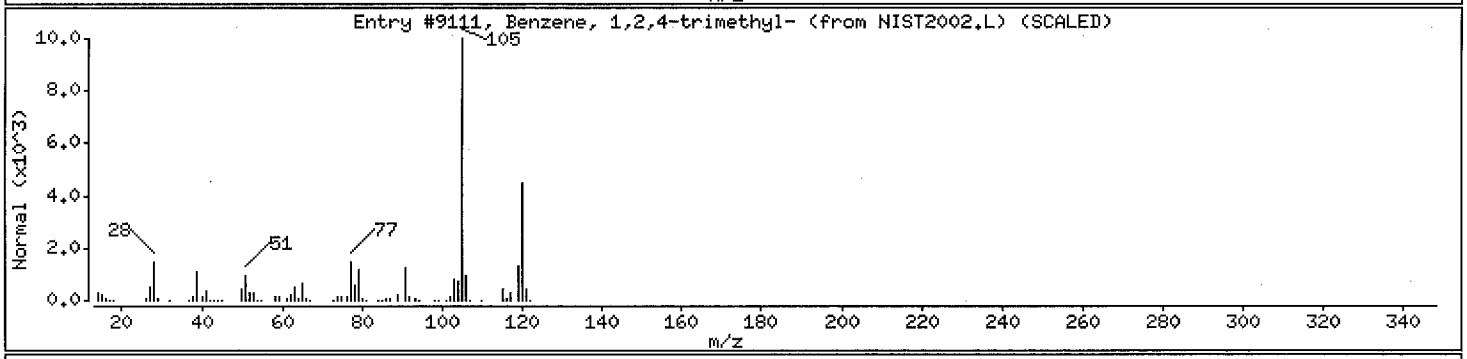
Sample Info: 25ML,F1105-01A,,31767

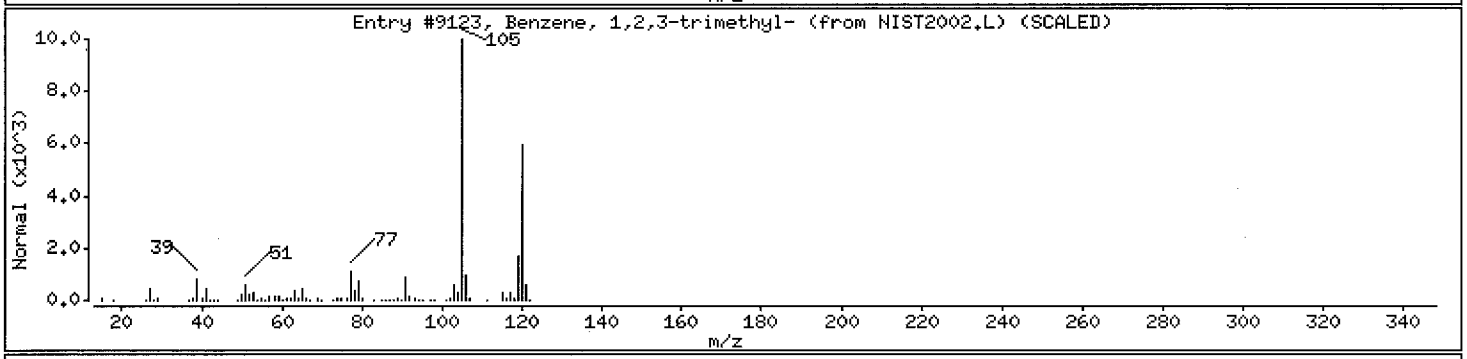
Purge Volume: 5.0 Operator: HZA SRC: LIMS

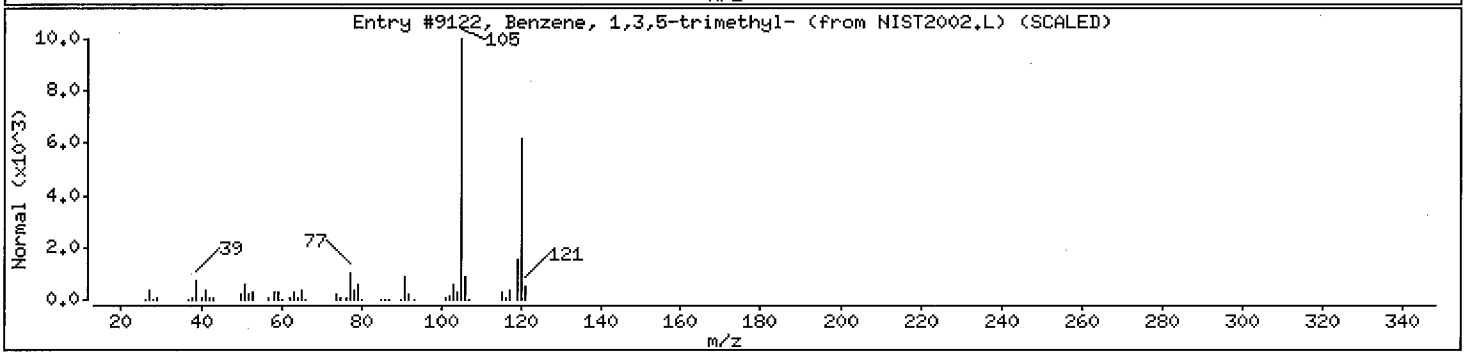
Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,4-trimethyl-	95-63-6	NIST2002.L	9111	95	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	NIST2002.L	9123	95	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NIST2002.L	9122	95	C9H12	120









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Date : 18-AUG-2007 00:24

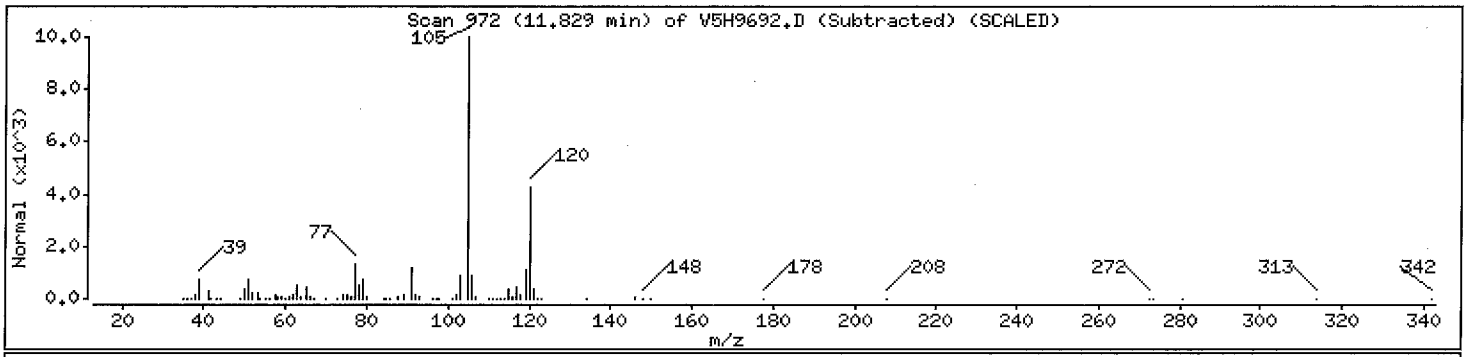
Client ID: MWOB-02 Instrument: V5.i

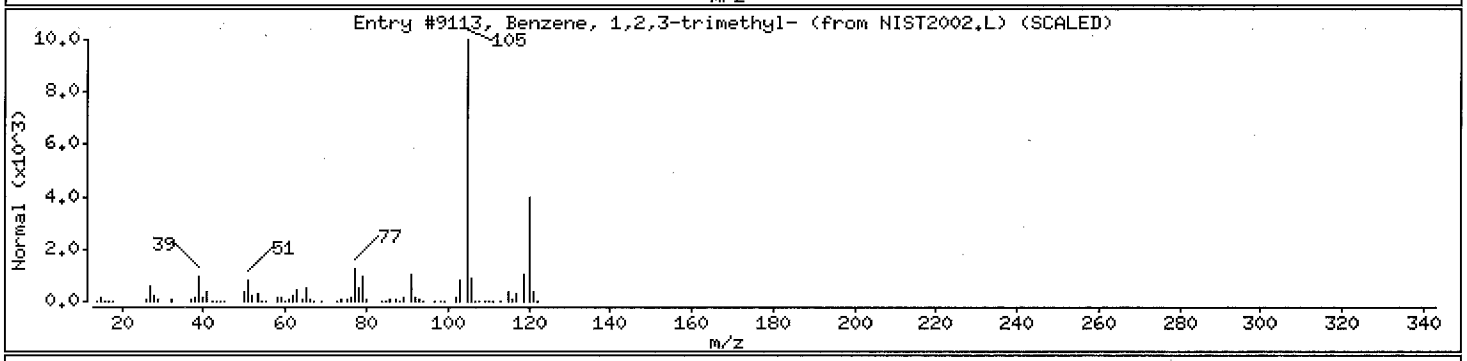
Sample Info: 25ML,F1105-01A,,31767

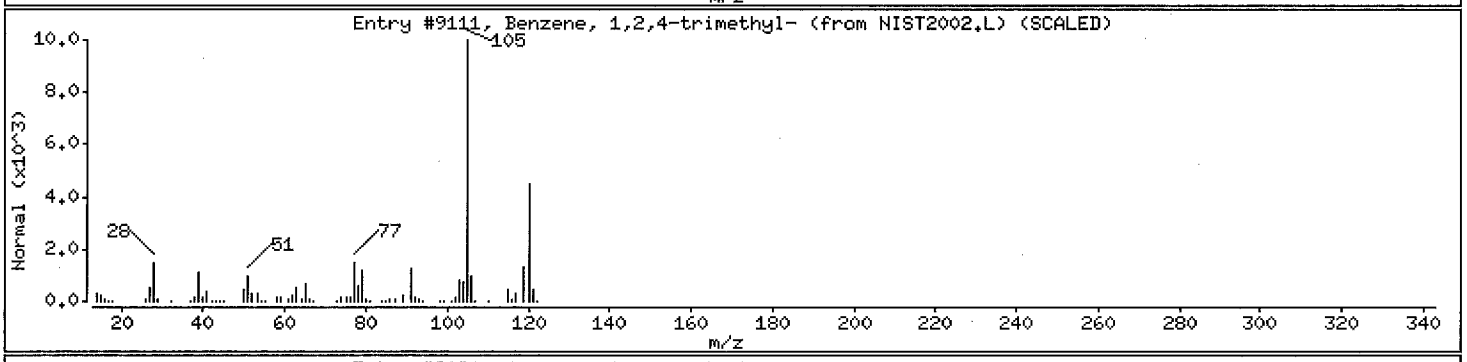
Purge Volume: 5.0 Operator: HZA SRC: LIMS

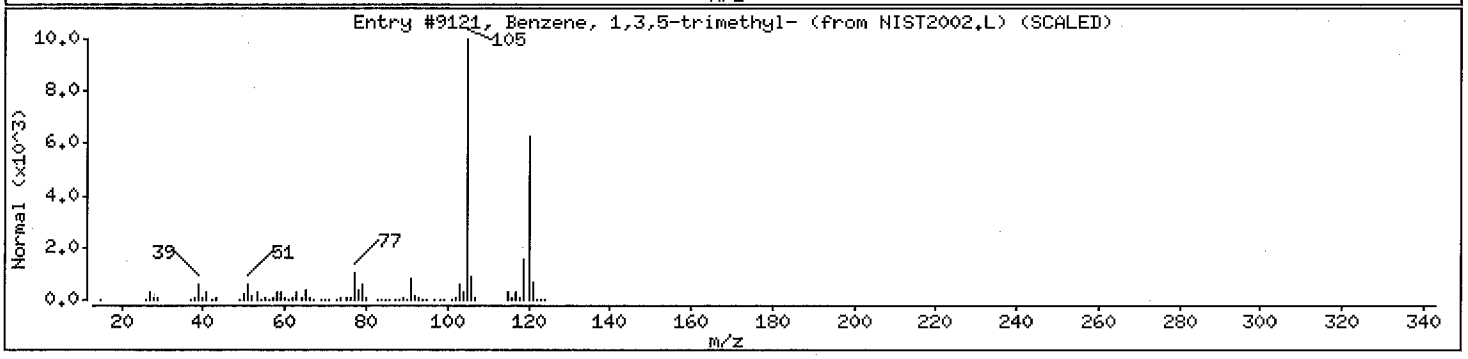
Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,3-trimethyl-	526-73-8	NIST2002.L	9113	95	C9H12	120
Benzene, 1,2,4-trimethyl-	95-63-6	NIST2002.L	9111	95	C9H12	120
Benzene, 1,3,5-trimethyl-	108-67-8	NIST2002.L	9121	91	C9H12	120









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Date : 18-AUG-2007 00:24

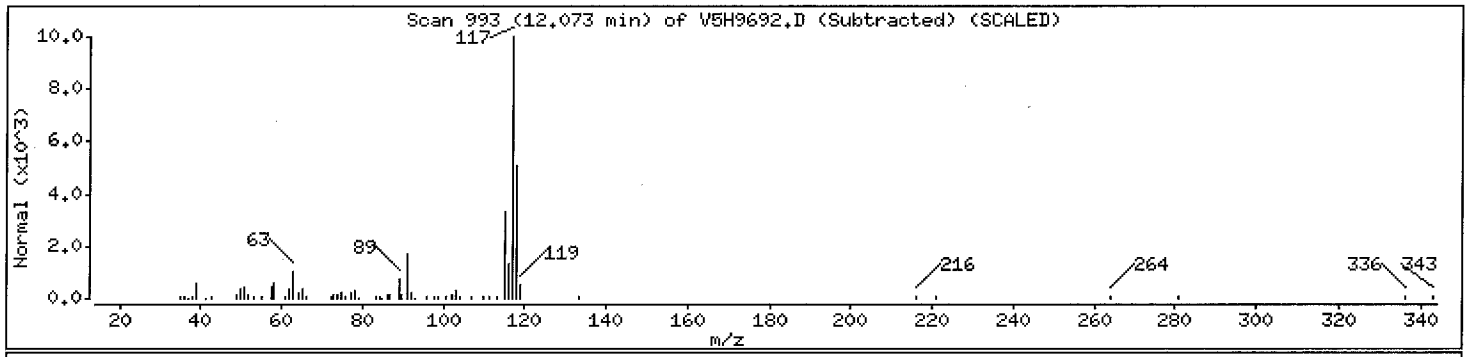
Client ID: MWOB-02 Instrument: V5.i

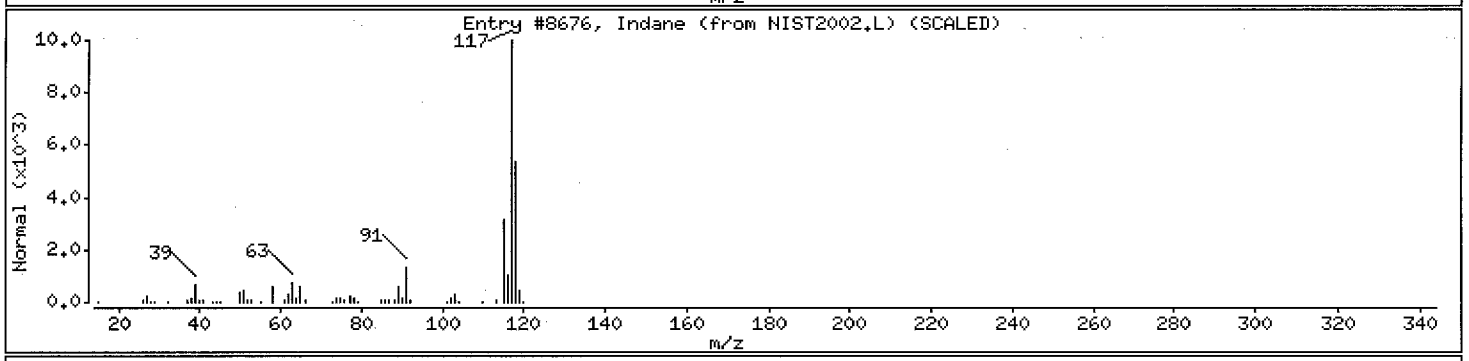
Sample Info: 25ML,F1105-01A,,31767

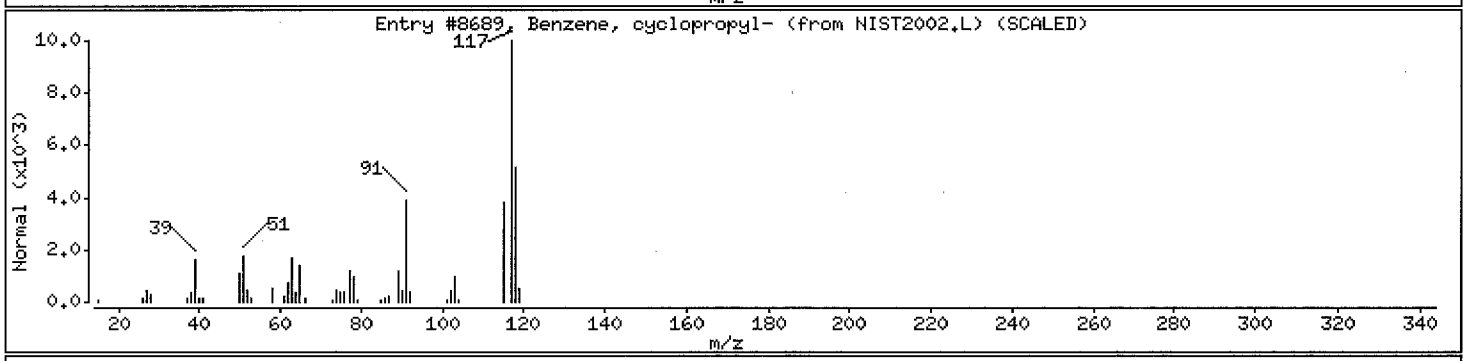
Purge Volume: 5.0 Operator: HZA SRC: LIMS

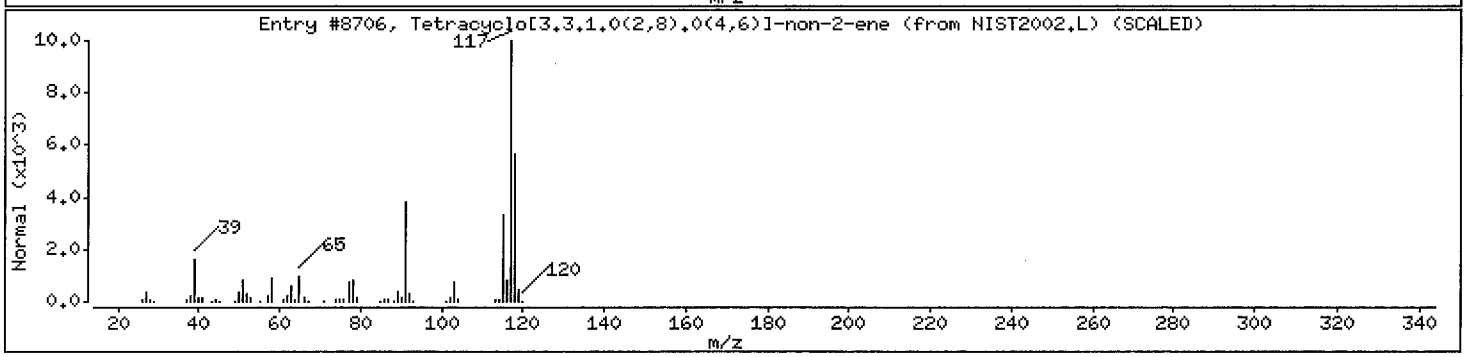
Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Indane	496-11-7	NIST2002.L	8676	91	C9H10	118
Benzene, cyclopropyl-	873-49-4	NIST2002.L	8689	72	C9H10	118
Tetracyclo[3.3.1.0(2,8).0(4,6)]-non-2-en	1000191-13-7	NIST2002.L	8706	72	C9H10	118









1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MWOB-02DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix: (soil/water) WATER Lab Sample ID: F1105-01ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J8910

Level: (low/med) LOW Date Received: 08/10/07

% Moisture: not dec. _____ Date Analyzed: 08/20/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 500.0

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	5000	U
74-87-3	Chloromethane	5000	U
75-01-4	Vinyl Chloride	5000	U
74-83-9	Bromomethane	5000	U
75-00-3	Chloroethane	5000	U
75-69-4	Trichlorofluoromethane	5000	U
75-35-4	1,1-Dichloroethene	5000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5000	U
67-64-1	Acetone	5000	U
75-15-0	Carbon Disulfide	5000	U
79-20-9	Methyl Acetate	5000	U
75-09-2	Methylene Chloride	5000	U
156-60-5	trans-1,2-Dichloroethene	5000	U
1634-04-4	Methyl tert-Butyl Ether	5000	U
75-34-3	1,1-Dichloroethane	5000	U
156-59-2	cis-1,2-Dichloroethene	2200	DJ
78-93-3	2-Butanone	5000	U
67-66-3	Chloroform	5000	U
71-55-6	1,1,1-Trichloroethane	5000	U
110-82-7	Cyclohexane	5000	U
56-23-5	Carbon Tetrachloride	5000	U
71-43-2	Benzene	5000	U
107-06-2	1,2-Dichloroethane	5000	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MWOB-02DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix: (soil/water) WATER Lab Sample ID: F1105-01ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J8910

Level: (low/med) LOW Date Received: 08/10/07

% Moisture: not dec. _____ Date Analyzed: 08/20/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 500.0

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	5000	U
108-87-2	Methylcyclohexane	5000	U
78-87-5	1,2-Dichloropropane	5000	U
75-27-4	Bromodichloromethane	5000	U
10061-01-5	cis-1,3-Dichloropropene	5000	U
108-10-1	4-Methyl-2-Pentanone	5000	U
108-88-3	Toluene	70000	D
10061-02-6	trans-1,3-Dichloropropene	5000	U
79-00-5	1,1,2-Trichloroethane	5000	U
127-18-4	Tetrachloroethene	5000	U
591-78-6	2-Hexanone	5000	U
124-48-1	Dibromochloromethane	5000	U
106-93-4	1,2-Dibromoethane	5000	U
108-90-7	Chlorobenzene	5000	U
100-41-4	Ethylbenzene	5000	U
1330-20-7	Xylene (Total)	1400	DJ
100-42-5	Styrene	5000	U
75-25-2	Bromoform	5000	U
98-82-8	Isopropylbenzene	5000	U
79-34-5	1,1,2,2-Tetrachloroethane	5000	U
541-73-1	1,3-Dichlorobenzene	5000	U
106-46-7	1,4-Dichlorobenzene	5000	U
95-50-1	1,2-Dichlorobenzene	5000	U
96-12-8	1,2-Dibromo-3-chloropropane	5000	U
120-82-1	1,2,4-Trichlorobenzene	5000	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MWOB-02DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix: (soil/water) WATER Lab Sample ID: F1105-01ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J8910

Level: (low/med) LOW Date Received: 08/10/07

% Moisture: not dec. _____ Date Analyzed: 08/20/07

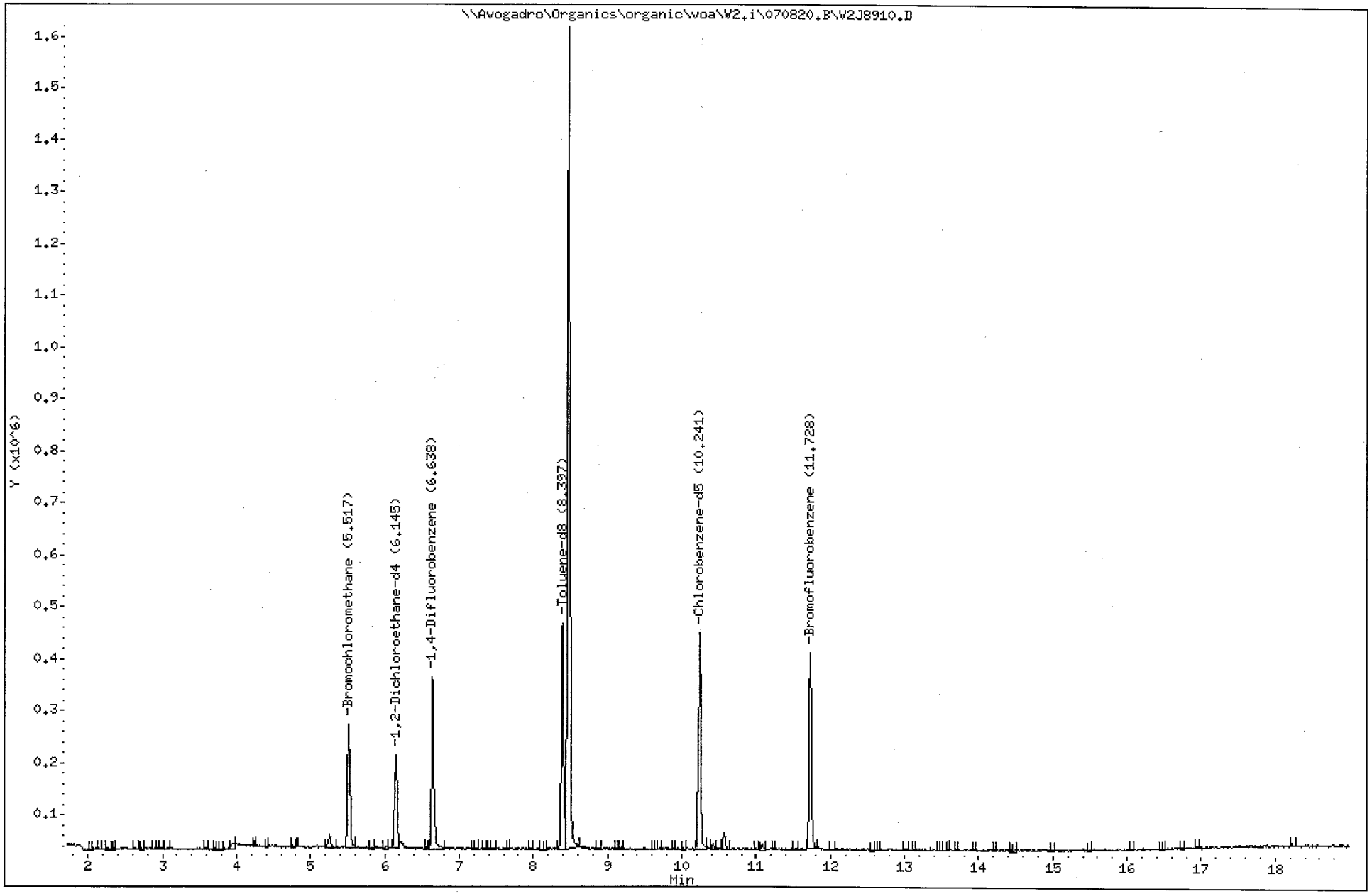
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 500.0

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.					
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\V2.i\070820.B\V2J8910.D
Date : 20-AUG-2007 18:46
Client ID: MWOB-02DL
Instrument: V2.i
Sample Info: 5ML,F1105-01ADL,,31777,500
Purge Volume: 5.0
Operator: HZ SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



9967

Data File: \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8910.D
Report Date: 29-Aug-2007 16:49

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8910.D
Lab Smp Id: F1105-01ADL Client Smp ID: MWOB-02DL
Inj Date : 20-AUG-2007 18:46
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,F1105-01ADL,,31777,500
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070820.B\v2clp4S.m
Meth Date : 29-Aug-2007 16:49 V2.i Quant Type: ISTD
Cal Date : 20-AUG-2007 09:46 Cal File: V2J8891.D
Als bottle: 19
Dil Factor: 500.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

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

Name	Value	Description
DF	500.000	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)
	17 cis-1,2-Dichloroethene	96	5.255	5.254	(0.953)	12818	4.45005	2200(a)
*	18 Bromochloromethane	128	5.516	5.516	(1.000)	69140	50.0000	
$	23 1,2-Dichloroethane-d4	65	6.145	6.144	(1.114)	149544	44.7050	45
*	26 1,4-Difluorobenzene	114	6.648	6.637	(1.000)	297984	50.0000	
$	33 Toluene-d8	98	8.397	8.386	(0.820)	337260	48.4451	48
	34 Toluene	91	8.470	8.469	(0.827)	1351551	139.917	70000
*	42 Chlorobenzene-d5	117	10.240	10.229	(1.000)	289317	50.0000	
	45 m,p-Xylene	106	10.575	10.564	(1.033)	10857	2.65425	1300(a)
M	41 Xylene (Total)	106				10857	2.77865	1400(a)
$	50 Bromofluorobenzene	95	11.727	11.716	(1.145)	152091	49.5611	50

QC Flag Legend

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

HZA 08/29/07

Data File: \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8910.D
Report Date: 29-Aug-2007 16:49

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8910.D
Lab Smp Id: F1105-01ADL Client Smp ID: MWOB-02DL
Inj Date : 20-AUG-2007 18:46
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,F1105-01ADL,,31777,500
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070820.B\v2clp4S.m
Meth Date : 29-Aug-2007 16:49 V2.i Quant Type: ISTD
Cal Date : 20-AUG-2007 09:46 Cal File: V2J8891.D
Als bottle: 19
Dil Factor: 500.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8910.D

Date : 20-AUG-2007 18:46

Client ID: MWOB-02DL

Instrument: V2.i

Sample Info: 5ML,F1105-01ADL,,31777,500

Purge Volume: 5.0

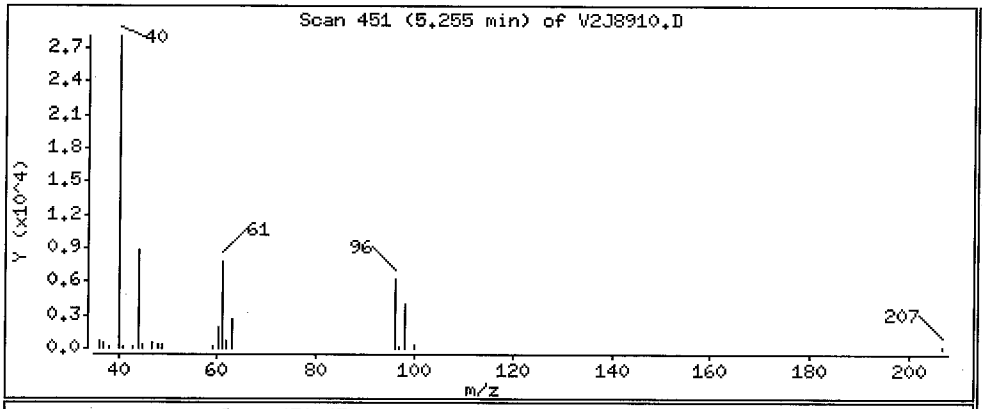
Operator: HZ SRC: LIMS

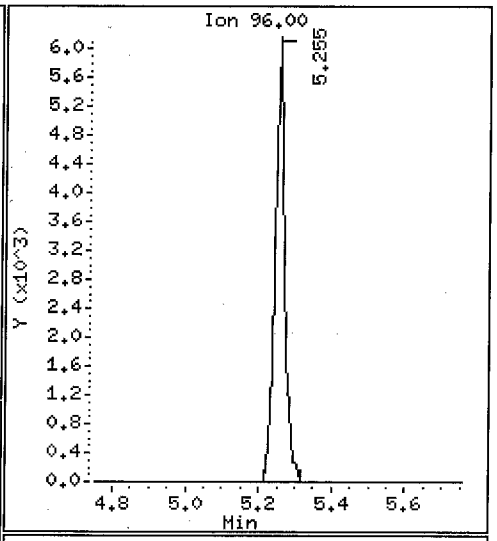
Column phase: DB-624

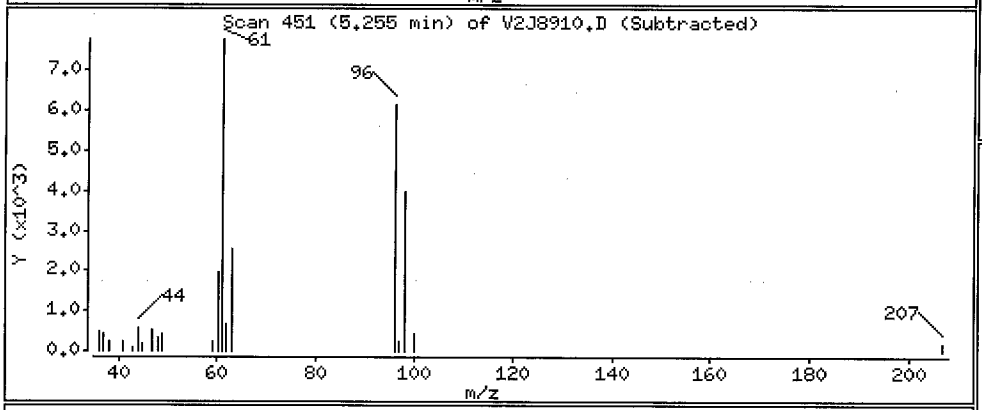
Column diameter: 0.25

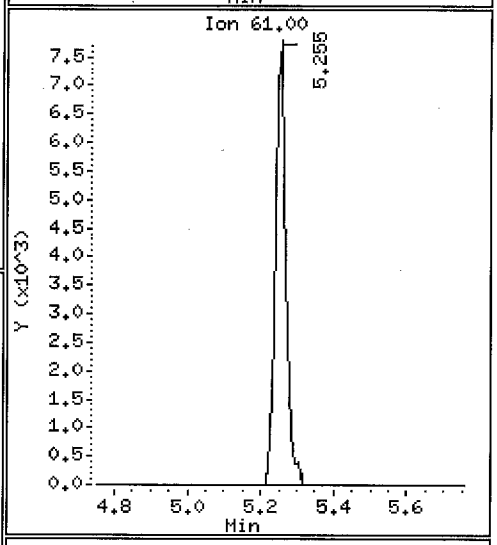
17 cis-1,2-Dichloroethene

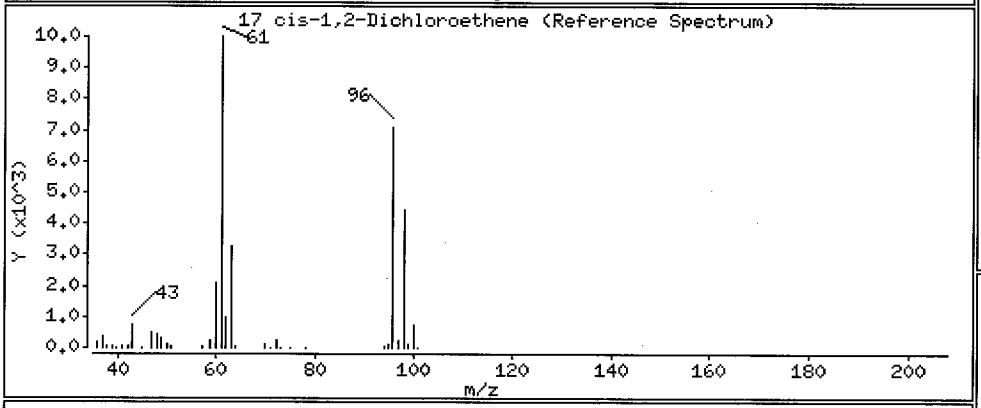
Concentration: 2200 ug/L

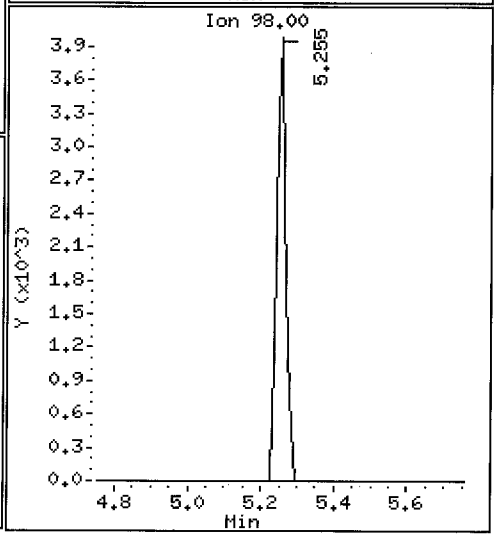


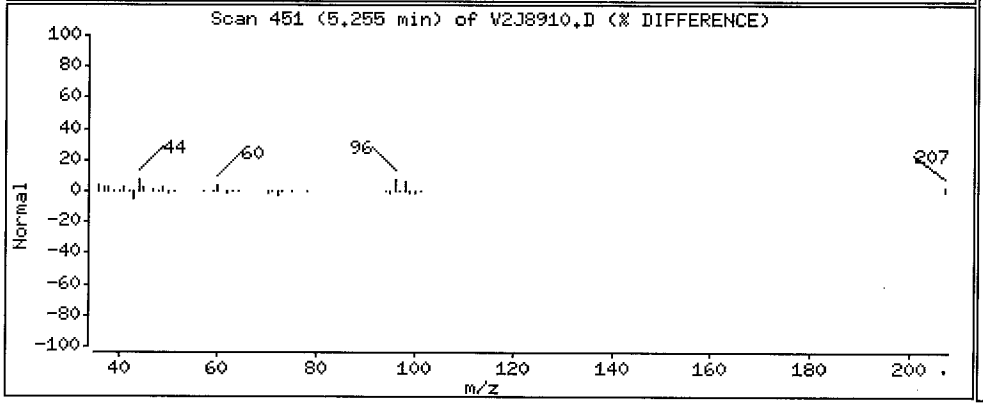












Data File: \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8910.D

Date : 20-AUG-2007 18:46

Client ID: MWOB-02DL

Instrument: V2.i

Sample Info: 5ML,F1105-01ADL,,31777,500

Purge Volume: 5.0

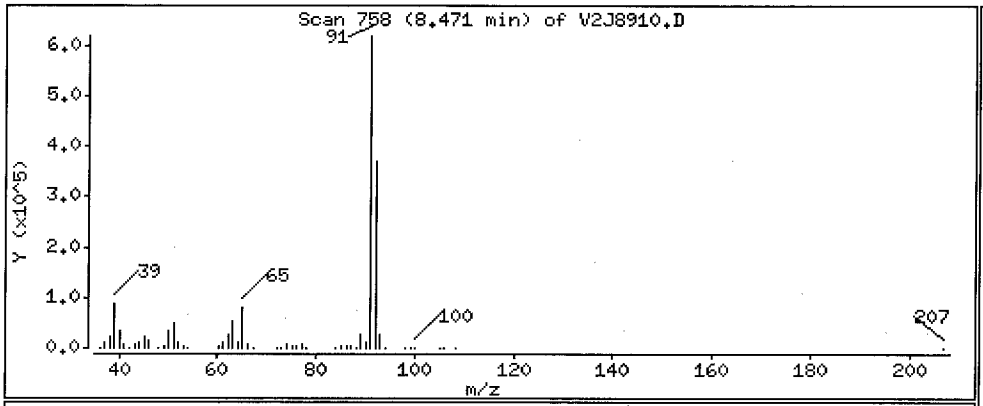
Operator: HZ SRC: LIMS

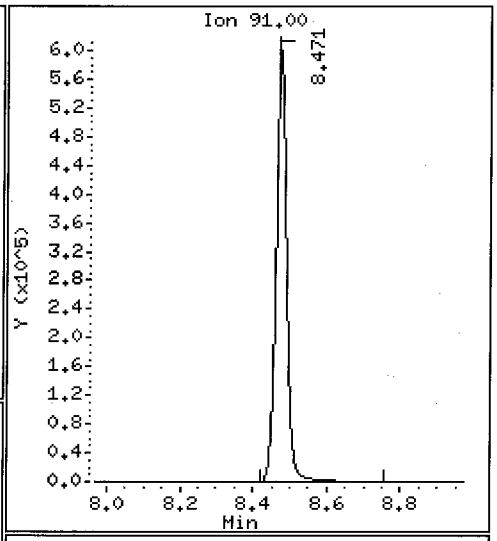
Column phase: DB-624

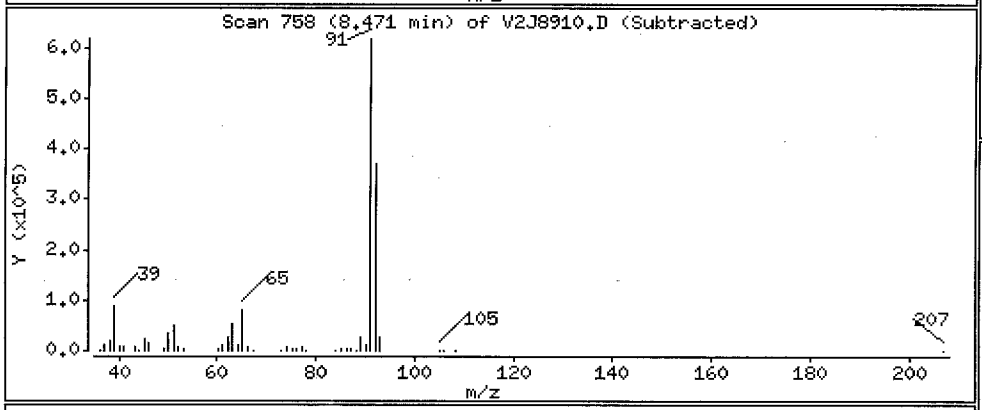
Column diameter: 0.25

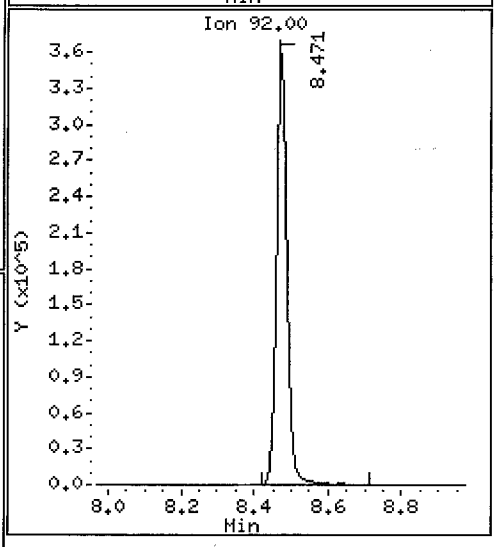
34 Toluene

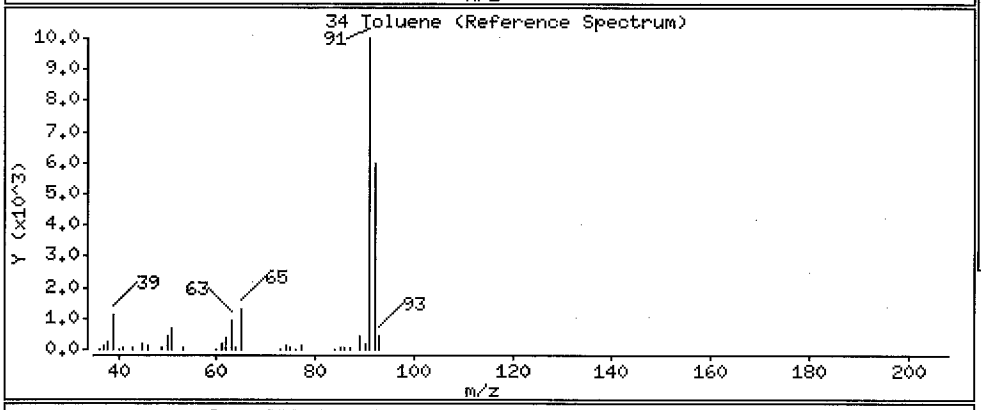
Concentration: 70000 ug/L

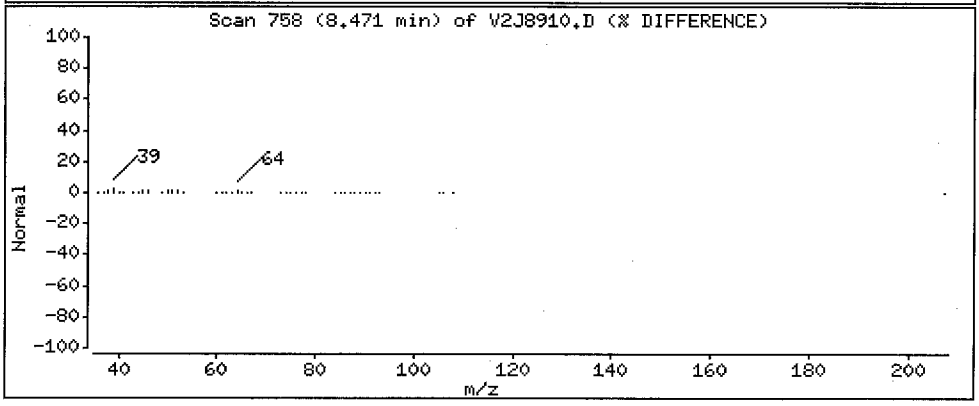












Data File: \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8910.D

Date : 20-AUG-2007 18:46

Client ID: MWOB-02DL

Instrument: V2.i

Sample Info: 5ML,F1105-01ADL,,31777,500

Purge Volume: 5.0

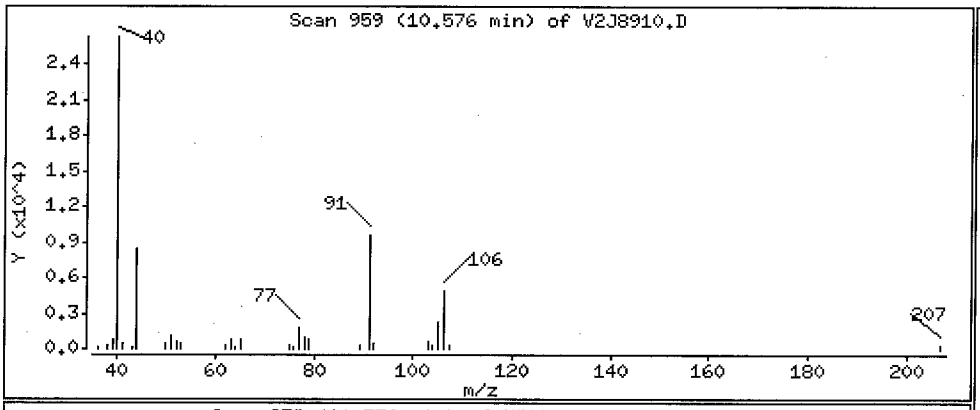
Operator: HZ SRC: LIMS

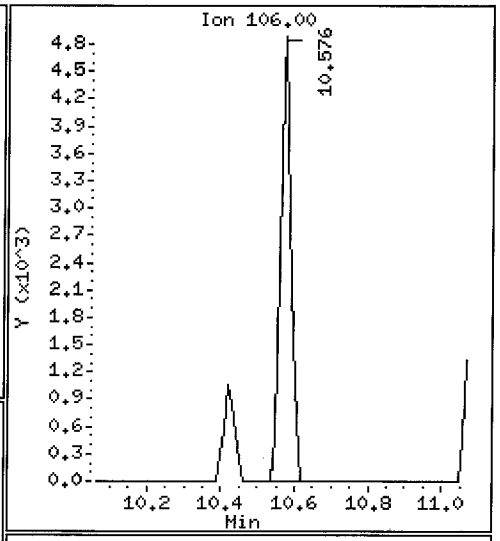
Column phase: DB-624

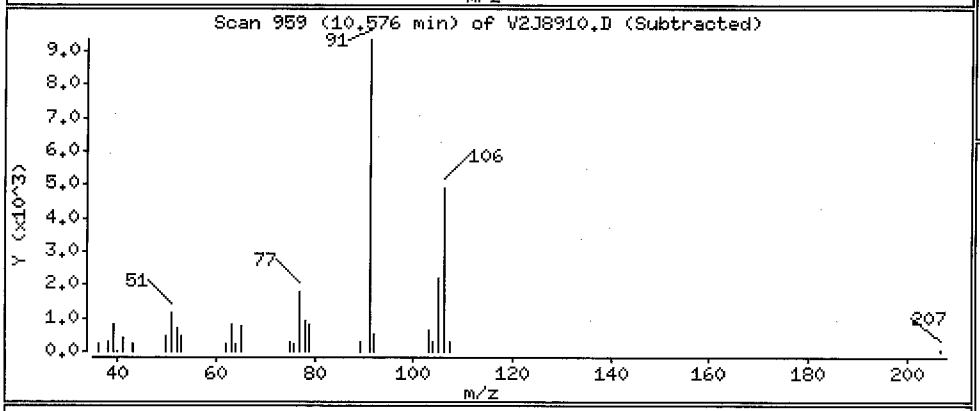
Column diameter: 0.25

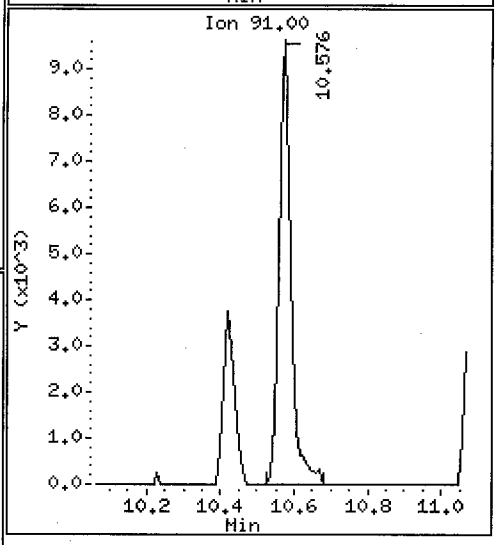
45 m,p-Xylene

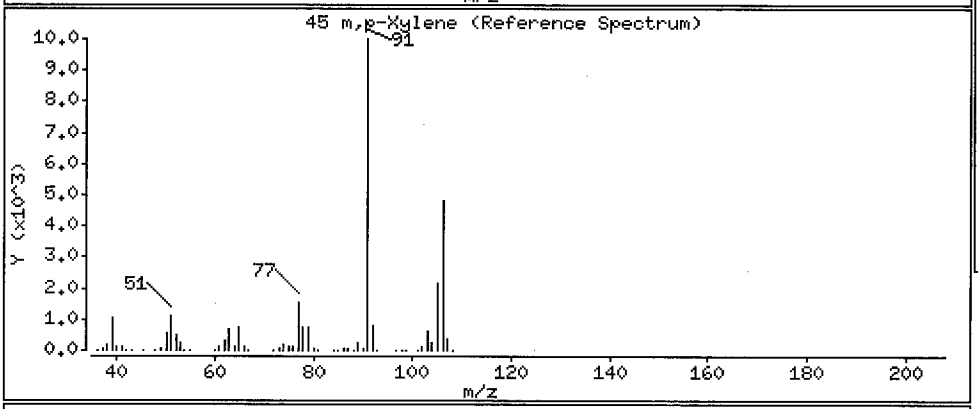
Concentration: 1300 ug/L

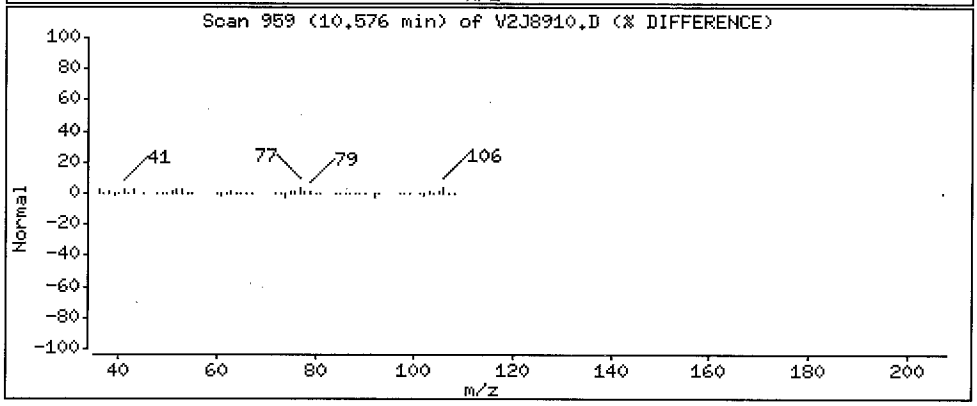












1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB04

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix: (soil/water) WATER Lab Sample ID: F1105-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J8911

Level: (low/med) LOW Date Received: 08/10/07

% Moisture: not dec. _____ Date Analyzed: 08/20/07

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.

TB04

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix: (soil/water) WATER Lab Sample ID: F1105-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J8911

Level: (low/med) LOW Date Received: 08/10/07

% Moisture: not dec. _____ Date Analyzed: 08/20/07

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

TB04

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix: (soil/water) WATER Lab Sample ID: F1105-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J8911

Level: (low/med) LOW Date Received: 08/10/07

% Moisture: not dec. _____ Date Analyzed: 08/20/07

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.					
11.					
12.					
13.					
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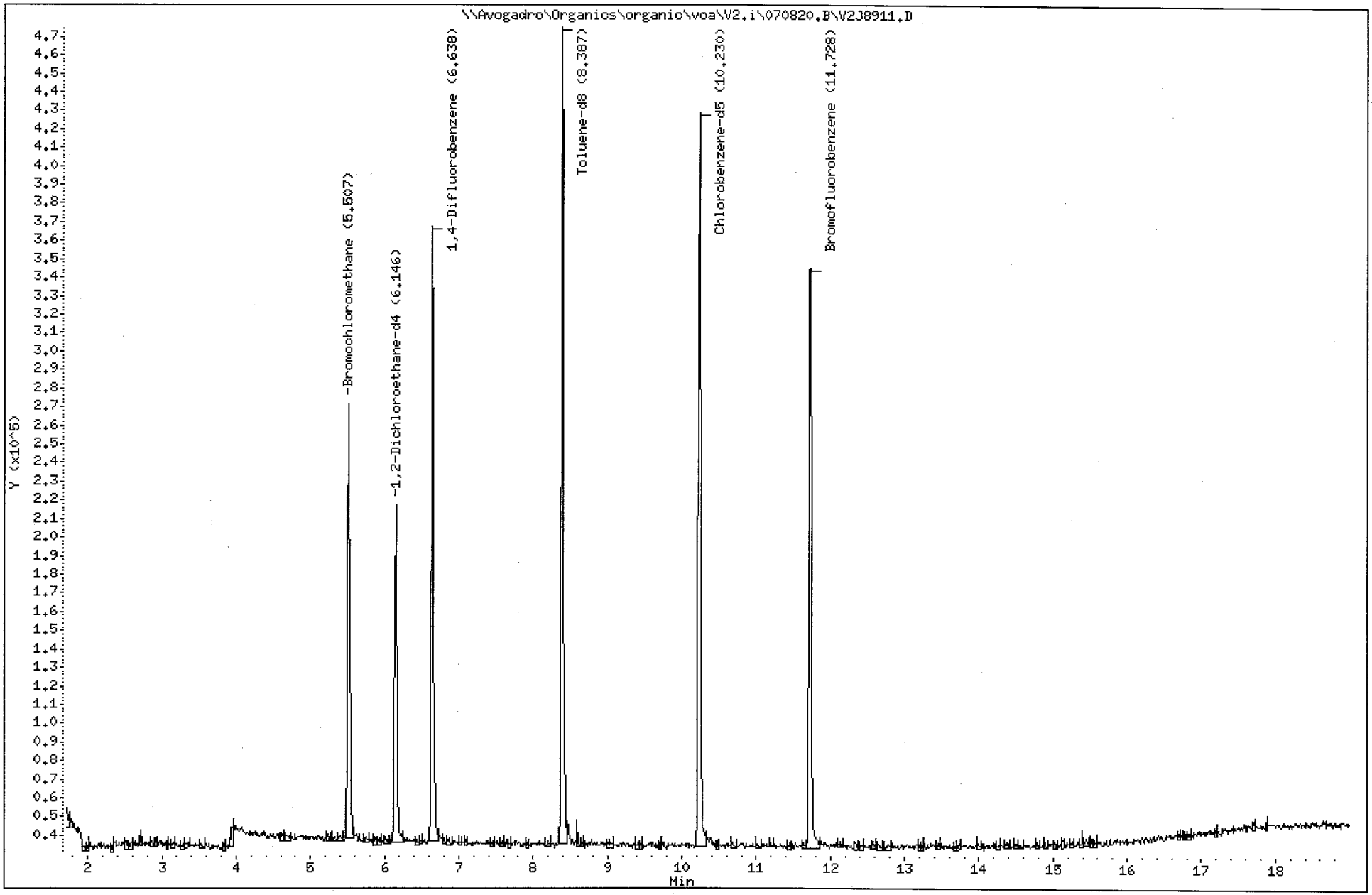
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8911.D
Date : 20-AUG-2007 19:14
Client ID: TB04
Instrument: V2.i
Sample Info: 5ML,F1105-02A,,31777,
Purge Volume: 5.0
Operator: HZ SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8911.D
Report Date: 29-Aug-2007 16:49

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8911.D
Lab Smp Id: F1105-02A Client Smp ID: TB04
Inj Date : 20-AUG-2007 19:14
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,F1105-02A,,31777,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070820.B\v2clp4S.m
Meth Date : 29-Aug-2007 16:49 V2.i Quant Type: ISTD
Cal Date : 20-AUG-2007 09:46 Cal File: V2J8891.D
Als bottle: 20
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	5.506	5.516	(1.000)	64474	50.0000	
$ 23 1,2-Dichloroethane-d4	65	6.145	6.144	(1.116)	142963	45.8306	46
* 26 1,4-Difluorobenzene	114	6.638	6.637	(1.000)	290030	50.0000	
$ 33 Toluene-d8	98	8.387	8.386	(0.820)	327503	49.4125	49
* 42 Chlorobenzene-d5	117	10.230	10.229	(1.000)	275447	50.0000	
$ 50 Bromofluorobenzene	95	11.717	11.716	(1.145)	140067	47.9413	48

HZA 08/29/07

0077

Data File: \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8911.D
Report Date: 29-Aug-2007 16:49

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8911.D
Lab Smp Id: F1105-02A Client Smp ID: TB04
Inj Date : 20-AUG-2007 19:14
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,F1105-02A,,31777,
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070820.B\v2clp4S.m
Meth Date : 29-Aug-2007 16:49 V2.i Quant Type: ISTD
Cal Date : 20-AUG-2007 09:46 Cal File: V2J8891.D
Als bottle: 20
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.: MF1105

Instrument ID: V2 Calibration Date(s): 08/18/07 08/18/07

Heated Purge: (Y/N) N Calibration Times: 1046 1310

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

LAB FILE ID: RRF10 = V2J8853 RRF20 = V2J8852
RRF50 = V2J8851 RRF100= V2J8856 RRF200= V2J8855

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.563	0.647	0.622	0.600	0.572	0.601	5.8
Chloromethane	1.466	1.713	1.650	1.602	1.513	1.589	6.3
Vinyl Chloride *	1.422	1.556	1.532	1.529	1.453	1.498	3.9*
Bromomethane *	1.149	1.171	1.059	1.098	0.990	1.093	6.6*
Chloroethane	0.842	0.983	1.007	0.970	0.931	0.947	6.8
Trichlorofluoromethane	1.869	2.045	2.061	2.065	1.938	1.996	4.4
1,1-Dichloroethene *	1.541	1.577	1.484	1.530	1.456	1.518	3.2*
1,1,2-Trichloro-1,2,2-trifluoroethane	1.558	1.663	1.629	1.511	1.396	1.551	6.8
Acetone	1.022	0.906	0.864	0.752	0.730	0.855	13.9
Carbon Disulfide	4.990	5.104	4.965	4.876	4.618	4.911	3.7
Methyl Acetate	1.639	1.625	1.534	1.507	1.376	1.536	6.9
Methylene Chloride	1.748	2.053	1.936	1.833	1.754	1.865	7.0
trans-1,2-Dichloroethene	1.973	1.970	1.974	1.940	1.858	1.943	2.6
Methyl tert-Butyl Ether	3.399	3.725	3.679	3.945	3.759	3.701	5.3
1,1-Dichloroethane *	3.951	4.009	3.775	3.850	3.718	3.861	3.1*
cis-1,2-Dichloroethene	1.679	1.834	1.895	1.944	1.916	1.854	5.7
2-Butanone	1.250	1.304	1.297	1.262	1.166	1.256	4.4
Chloroform *	3.474	3.706	3.510	3.433	3.302	3.485	4.2*
1,1,1-Trichloroethane *	0.550	0.566	0.531	0.517	0.522	0.537	3.8*
Cyclohexane	0.497	0.557	0.574	0.607	0.621	0.571	8.5
Carbon Tetrachloride *	0.479	0.477	0.462	0.459	0.469	0.469	1.9*
Benzene *	1.315	1.360	1.378	1.368	1.352	1.355	1.8*
1,2-Dichloroethane *	2.976	3.103	2.918	2.921	2.779	2.939	4.0*
Trichloroethene *	0.310	0.322	0.314	0.325	0.334	0.321	3.0*
Methylcyclohexane	0.375	0.413	0.447	0.467	0.477	0.436	9.6

* 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.: MF1105

Instrument ID: V2 Calibration Date(s): 08/18/07 08/18/07

Heated Purge: (Y/N) N Calibration Times: 1046 1310

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

LAB FILE ID: RRF10 = V2J8853 RRF20 = V2J8852
RRF50 = V2J8851 RRF100= V2J8856 RRF200= V2J8855

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD	
1,2-Dichloropropane		0.442	0.434	0.443	0.419	0.422	0.432	2.6	
Bromodichloromethane	*	0.514	0.514	0.505	0.480	0.499	0.502	2.8*	
cis-1,3-Dichloropropene	*	0.430	0.461	0.489	0.512	0.538	0.486	8.7*	
4-Methyl-2-Pentanone		0.392	0.461	0.495	0.565	0.522	0.487	13.4	
Toluene	*	1.418	1.525	1.544	1.593	1.499	1.516	4.3*	
trans-1,3-Dichloropropene	*	0.402	0.443	0.477	0.491	0.533	0.469	10.5*	
1,1,2-Trichloroethane	*	0.332	0.334	0.316	0.321	0.334	0.327	2.5*	
Tetrachloroethene	*	0.281	0.278	0.280	0.294	0.291	0.285	2.5*	
2-Hexanone		0.260	0.284	0.322	0.365	0.373	0.321	15.4	
Dibromochloromethane	*	0.347	0.365	0.356	0.357	0.383	0.362	3.8*	
1,2-Dibromoethane		0.379	0.391	0.395	0.408	0.407	0.396	3.0	
Chlorobenzene	*	1.074	1.087	1.058	1.070	1.050	1.068	1.3*	
Ethylbenzene	*	0.437	0.484	0.515	0.543	0.539	0.504	8.8*	
Xylene (Total)	*	0.488	0.599	0.642	0.694	0.690	0.623	13.6*	
Styrene	*	0.464	0.606	0.706	0.755	0.751	0.656	18.8*	
Bromoform	*	0.207	0.237	0.252	0.256	0.288	0.248	12.0*	
Isopropylbenzene		1.224	1.473	1.645	1.796	1.774	1.582	15.0	
1,1,2,2-Tetrachloroethane	*	0.494	0.508	0.527	0.587	0.567	0.537	7.3*	
1,3-Dichlorobenzene	*	0.523	0.605	0.691	0.796	0.803	0.684	17.8*	
1,4-Dichlorobenzene	*	0.561	0.648	0.762	0.835	0.833	0.728	16.5*	
1,2-Dichlorobenzene	*	0.505	0.557	0.648	0.731	0.737	0.636	16.3*	
1,2-Dibromo-3-chloropropane		0.049	0.061	0.066	0.076	0.076	0.066	17.4	
1,2,4-Trichlorobenzene	*	0.183	0.239	0.309	0.394	0.415	0.308	32.2*	<-
Toluene-d8		1.117	1.231	1.285	1.312	1.248	1.239	6.0	
Bromofluorobenzene	*	0.420	0.496	0.566	0.599	0.623	0.541	15.3*	
1,2-Dichloroethane-d4		2.547	2.485	2.405	2.342	2.267	2.409	4.6	

* 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.: MF1105

Instrument ID: V5 Calibration Date(s): 08/16/07 08/16/07

Heated Purge: (Y/N) N Calibration Times: 1743 1957

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

LAB FILE ID: RRF10 = V5H9623 RRF20 = V5H9622
RRF50 = V5H9621 RRF100= V5H9626 RRF200= V5H9625

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.398	0.404	0.374	0.437	0.413	0.405	5.7
Chloromethane	0.393	0.401	0.393	0.433	0.383	0.401	4.8
Vinyl Chloride *	0.624	0.579	0.560	0.575	0.537	0.575	5.5*
Bromomethane *	0.556	0.516	0.438	0.477	0.482	0.494	9.0*
Chloroethane	0.356	0.358	0.338	0.329	0.299	0.336	7.2
Trichlorofluoromethane	1.791	1.665	1.585	1.647	1.536	1.645	5.9
1,1-Dichloroethene *	0.787	0.686	0.634	0.650	0.574	0.666	11.8*
1,1,2-Trichloro-1,2,2-trifluoroethane	0.868	0.857	0.778	0.859	0.782	0.829	5.4
Acetone	0.415	0.423	0.390	0.373	0.355	0.391	7.2
Carbon Disulfide	1.991	2.001	1.893	1.958	1.874	1.943	2.9
Methyl Acetate	0.709	0.763	0.647	0.666	0.673	0.692	6.6
Methylene Chloride	0.817	0.737	0.711	0.708	0.690	0.733	6.8
trans-1,2-Dichloroethene	1.500	1.498	1.417	1.286	1.199	1.380	9.7
Methyl tert-Butyl Ether	4.156	4.261	4.177	4.092	3.913	4.120	3.2
1,1-Dichloroethane *	2.521	2.409	2.384	2.415	2.284	2.403	3.5*
cis-1,2-Dichloroethene	1.410	1.507	1.468	1.482	1.413	1.456	2.9
2-Butanone	0.489	0.520	0.574	0.573	0.623	0.556	9.4
Chloroform *	2.965	2.770	2.729	2.719	2.648	2.766	4.3*
1,1,1-Trichloroethane *	0.560	0.559	0.533	0.527	0.513	0.538	3.8*
Cyclohexane	0.334	0.342	0.330	0.348	0.320	0.335	3.3
Carbon Tetrachloride *	0.519	0.516	0.515	0.503	0.499	0.510	1.7*
Benzene *	1.104	1.103	1.050	0.963	0.865	1.017	10.1*
1,2-Dichloroethane *	2.057	2.129	2.178	2.116	2.071	2.110	2.3*
Trichloroethene *	0.355	0.367	0.360	0.367	0.341	0.358	2.9*
Methylcyclohexane	0.372	0.377	0.341	0.369	0.326	0.357	6.2

* 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.: MF1105

Instrument ID: V5 Calibration Date(s): 08/16/07 08/16/07

Heated Purge: (Y/N) N Calibration Times: 1743 1957

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

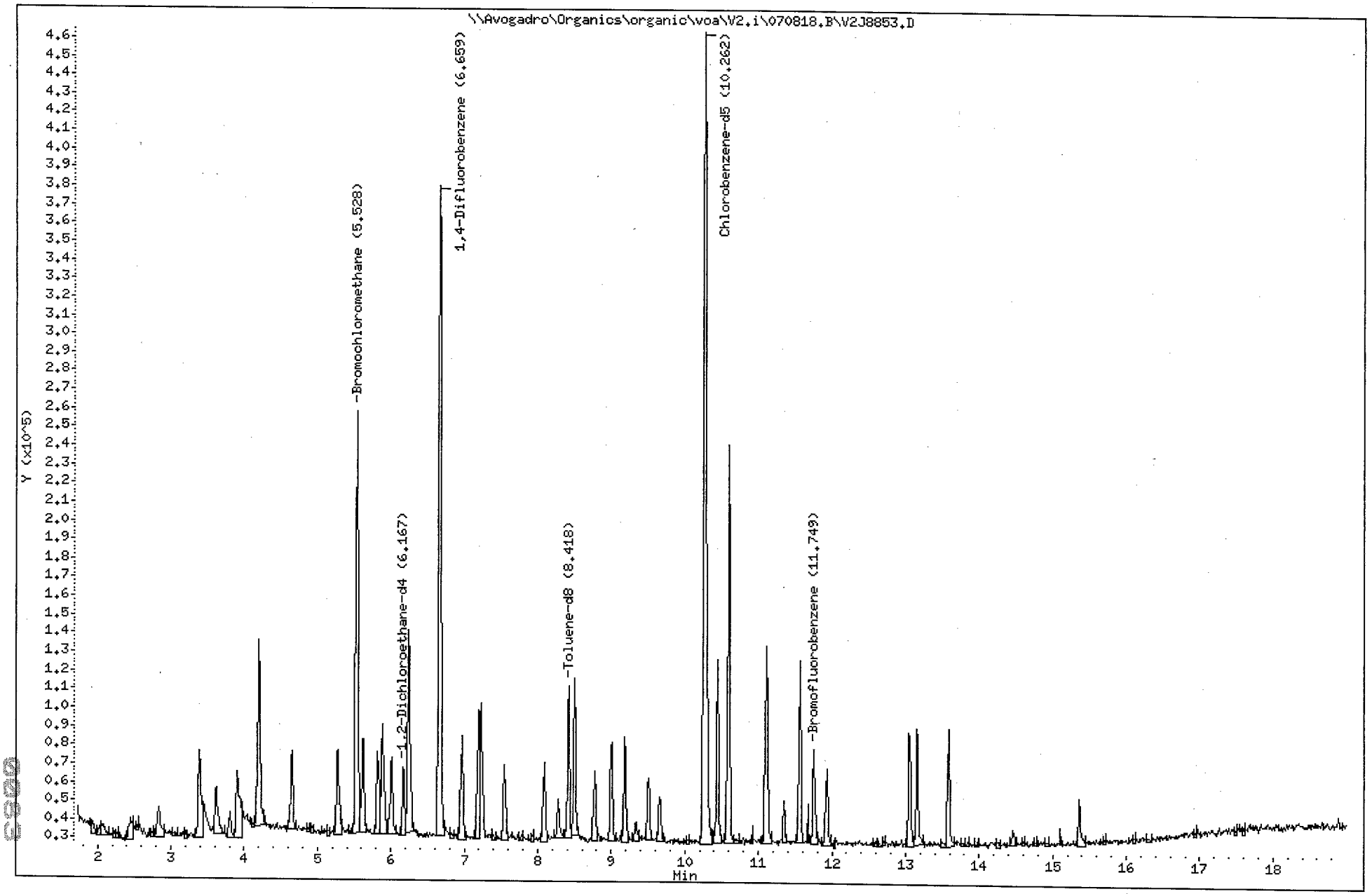
LAB FILE ID: RRF10 = V5H9623 RRF20 = V5H9622
RRF50 = V5H9621 RRF100= V5H9626 RRF200= V5H9625

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
1,2-Dichloropropane		0.262	0.276	0.255	0.240	0.209	0.248	10.3
Bromodichloromethane	*	0.452	0.461	0.441	0.431	0.425	0.442	3.3*
cis-1,3-Dichloropropene	*	0.330	0.396	0.412	0.417	0.394	0.390	8.9*
4-Methyl-2-Pentanone		0.224	0.256	0.337	0.359	0.359	0.307	20.5
Toluene	*	1.286	1.407	1.321	1.266	1.177	1.291	6.5*
trans-1,3-Dichloropropene	*	0.358	0.410	0.422	0.435	0.419	0.409	7.3*
1,1,2-Trichloroethane	*	0.280	0.290	0.290	0.278	0.271	0.282	2.9*
Tetrachloroethene	*	0.371	0.362	0.345	0.351	0.333	0.352	4.2*
2-Hexanone		0.116	0.183	0.199	0.245	0.263	0.201	28.8
Dibromochloromethane	*	0.429	0.434	0.429	0.425	0.424	0.428	0.9*
1,2-Dibromoethane		0.437	0.442	0.443	0.454	0.452	0.446	1.6
Chlorobenzene	*	0.938	0.997	0.936	0.911	0.842	0.925	6.1*
Ethylbenzene	*	0.442	0.486	0.473	0.458	0.415	0.455	6.1*
Xylene (Total)	*	0.517	0.581	0.556	0.545	0.481	0.536	7.2*
Styrene	*	0.575	0.620	0.606	0.608	0.560	0.594	4.3*
Bromoform	*	0.336	0.359	0.370	0.363	0.360	0.358	3.7*
Isopropylbenzene		1.356	1.525	1.546	1.512	1.366	1.461	6.3
1,1,2,2-Tetrachloroethane	*	0.522	0.545	0.536	0.512	0.500	0.523	3.5*
1,3-Dichlorobenzene	*	0.713	0.818	0.823	0.845	0.796	0.799	6.4*
1,4-Dichlorobenzene	*	0.854	0.902	0.935	0.919	0.836	0.889	4.8*
1,2-Dichlorobenzene	*	0.741	0.798	0.833	0.816	0.762	0.790	4.8*
1,2-Dibromo-3-chloropropane		0.074	0.112	0.118	0.113	0.127	0.109	18.4
1,2,4-Trichlorobenzene	*	0.545	0.575	0.615	0.639	0.612	0.597	6.2*
Toluene-d8		1.053	1.180	1.157	1.120	1.045	1.111	5.5
Bromofluorobenzene	*	0.407	0.475	0.480	0.492	0.474	0.466	7.1*
1,2-Dichloroethane-d4		1.704	1.845	1.864	1.834	1.835	1.816	3.5

* 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\V2.i\070818.B\V2J8853.D
Date : 18-AUG-2007 11:46
Client ID: VSTD0102X
Sample Info: 5ML,VSTD0102X,VSTD0102X
Purge Volume: 5.0
Column phase: DB-624

Instrument: V2.i
Operator: HZ SRC: HZ
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\070818.B\V2J8853.D
Report Date: 22-Aug-2007 09:15

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070818.B\V2J8853.D
Lab Smp Id: VSTD0102X Client Smp ID: VSTD0102X
Inj Date : 18-AUG-2007 11:46
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 5ML,VSTD0102X,VSTD0102X
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070818.B\v2clp4S.m
Meth Date : 22-Aug-2007 09:09 sbotvin Quant Type: ISTD
Cal Date : 18-AUG-2007 10:46 Cal File: V2J8851.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/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	1.725	1.736	(0.312)	7279	10.0000	9(a)
2	Chloromethane	50	1.935	1.945	(0.350)	18949	10.0000	9(a)
3	Vinyl Chloride	62	2.071	2.071	(0.375)	18384	10.0000	9(a)
4	Bromomethane	94	2.448	2.448	(0.443)	14857	10.0000	11
5	Chloroethane	64	2.553	2.552	(0.462)	10885	10.0000	9(a)
6	Trichlorofluoromethane	101	2.835	2.835	(0.513)	24170	10.0000	9(a)
7	1,1-Dichloroethene	96	3.380	3.390	(0.612)	19921	10.0000	10
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.391	3.401	(0.613)	20147	10.0000	10
9	Acetone	43	3.443	3.453	(0.623)	13217	10.0000	12
10	Carbon Disulfide	76	3.621	3.621	(0.655)	64512	10.0000	10
11	Methyl Acetate	43	3.799	3.799	(0.687)	21188	10.0000	11
12	Methylene Chloride	84	3.904	3.904	(0.706)	22598	10.0000	9(a)
13	trans-1,2-Dichloroethene	96	4.197	4.197	(0.759)	25513	10.0000	10
14	Methyl tert-Butyl Ether	73	4.197	4.207	(0.759)	43942	10.0000	9(a)
15	1,1-Dichloroethane	63	4.647	4.647	(0.841)	51088	10.0000	10
17	cis-1,2-Dichloroethene	96	5.276	5.276	(0.955)	21714	10.0000	9(a)
16	2-Butanone	43	5.307	5.297	(0.960)	16164	10.0000	10
* 18	Bromochloromethane	128	5.527	5.537	(1.000)	64646	50.0000	
19	Chloroform	83	5.621	5.621	(1.017)	44913	10.0000	10
20	1,1,1-Trichloroethane	97	5.820	5.820	(0.874)	34378	10.0000	10
21	Cyclohexane	56	5.883	5.883	(0.884)	31076	10.0000	9(a)
22	Carbon Tetrachloride	117	6.009	6.009	(0.902)	29926	10.0000	10

Data File: \\Avogadro\Organics\organic\voa\V2.i\070818.B\V2J8853.D
Report Date: 22-Aug-2007 09:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	23 1,2-Dichloroethane-d4	65	6.166	6.166	(1.116)	32928	10.0000	11
	25 Benzene	78	6.239	6.239	(0.937)	82216	10.0000	10
	24 1,2-Dichloroethane	62	6.250	6.250	(1.131)	38477	10.0000	10
*	26 1,4-Difluorobenzene	114	6.658	6.658	(1.000)	312664	50.0000	
	27 Trichloroethene	130	6.962	6.962	(1.046)	19396	10.0000	10
	28 Methylcyclohexane	83	7.192	7.192	(1.080)	23468	10.0000	9(a)
	29 1,2-Dichloropropane	63	7.224	7.224	(1.085)	27613	10.0000	10(T)
	30 Bromodichloromethane	83	7.538	7.548	(1.132)	32130	10.0000	10
	31 cis-1,3-Dichloropropene	75	8.083	8.082	(1.214)	26893	10.0000	9(a)
	32 4-Methyl-2-Pentanone	43	8.282	8.271	(0.807)	22005	10.0000	8(a)
$	33 Toluene-d8	98	8.418	8.418	(0.820)	62673	10.0000	9(a)
	34 Toluene	91	8.502	8.501	(0.829)	79536	10.0000	9(a)
	35 trans-1,3-Dichloropropene	75	8.774	8.763	(1.318)	25137	10.0000	9(a)
	36 1,1,2-Trichloroethane	97	9.004	8.994	(1.352)	20781	10.0000	10
	37 Tetrachloroethene	164	9.182	9.182	(0.895)	15745	10.0000	10
	38 2-Hexanone	43	9.340	9.318	(0.910)	14589	10.0000	8(a)
	39 Dibromochloromethane	129	9.507	9.507	(1.428)	21728	10.0000	10(T)
	40 1,2-Dibromoethane	107	9.654	9.654	(0.941)	21277	10.0000	10
*	42 Chlorobenzene-d5	117	10.261	10.261	(1.000)	280423	50.0000	
	43 Chlorobenzene	112	10.303	10.303	(1.004)	60218	10.0000	10
	44 Ethylbenzene	106	10.439	10.439	(1.017)	24488	10.0000	9(a)
	45 m,p-Xylene	106	10.596	10.596	(1.033)	66981	20.0000	18
	46 o-Xylene	106	11.099	11.099	(1.082)	27396	10.0000	8(a)
	47 Styrene	104	11.120	11.120	(1.084)	26031	10.0000	7(a)
	48 Bromoform	173	11.350	11.340	(1.705)	12922	10.0000	8(a)
M	41 Xylene (Total)	106				94377	10.0000	27
	49 Isopropylbenzene	105	11.560	11.560	(1.127)	68647	10.0000	8(a)
$	50 Bromofluorobenzene	95	11.748	11.748	(1.145)	23564	10.0000	8(a)
	51 1,1,2,2-Tetrachloroethane	83	11.926	11.926	(1.162)	27726	10.0000	9(a)
	52 1,3-Dichlorobenzene	146	13.058	13.047	(1.273)	29314	10.0000	8(a)
	53 1,4-Dichlorobenzene	146	13.152	13.152	(1.282)	31459	10.0000	8(a)
	54 1,2-Dichlorobenzene	146	13.581	13.581	(1.324)	28313	10.0000	8(a)
	55 1,2-Dibromo-3-chloropropane	75	14.461	14.450	(1.409)	2736	10.0000	7(a)
	56 1,2,4-Trichlorobenzene	180	15.362	15.362	(1.497)	10242	10.0000	6(a)

QC Flag Legend

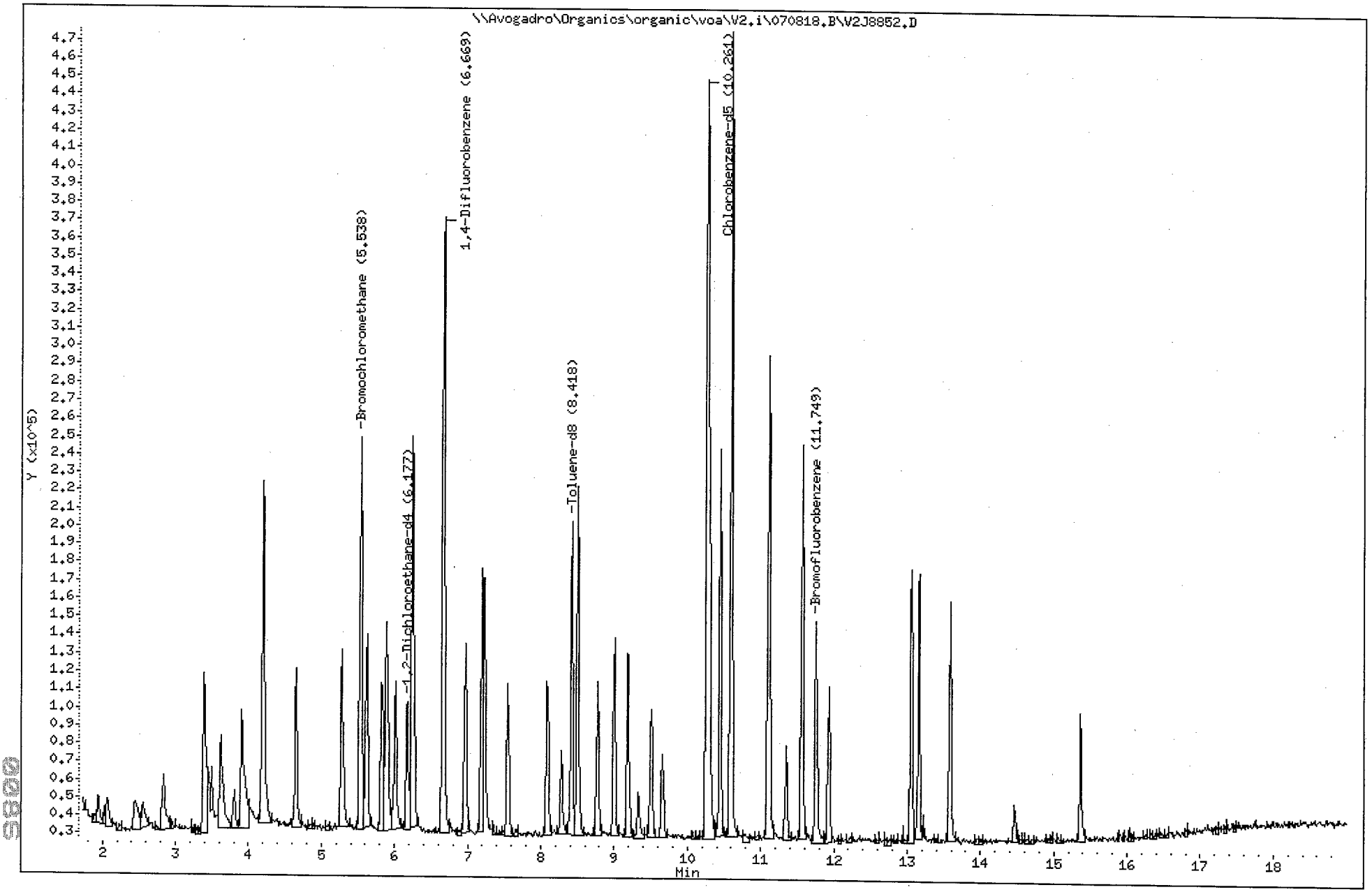
T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

8/22/07

Data File: \\Avogadro\Organics\organic\voa\V2.i\070818.B\V2J8852.D
Date : 18-AUG-2007 11:15
Client ID: VSTD0202X
Sample Info: 5ML,VSTD0202X,VSTD0202X
Purge Volume: 5.0
Column phase: DB-624

Instrument: V2.i

Operator: HZ SRC: HZ
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\070818.B\V2J8852.D
Report Date: 22-Aug-2007 09:15

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070818.B\V2J8852.D
Lab Smp Id: VSTD0202X Client Smp ID: VSTD0202X
Inj Date : 18-AUG-2007 11:15
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 5ML,VSTD0202X,VSTD0202X
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070818.B\v2clp4S.m
Meth Date : 22-Aug-2007 09:09 sbotvin Quant Type: ISTD
Cal Date : 18-AUG-2007 10:46 Cal File: V2J8851.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/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)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.725	1.736	(0.312)	16004	20.0000	22
2	Chloromethane	50	1.934	1.945	(0.349)	42408	20.0000	22
3	Vinyl Chloride	62	2.060	2.071	(0.372)	38517	20.0000	21
4	Bromomethane	94	2.437	2.448	(0.440)	28972	20.0000	21
5	Chloroethane	64	2.552	2.552	(0.461)	24324	20.0000	21
6	Trichlorofluoromethane	101	2.825	2.835	(0.510)	50620	20.0000	20
7	1,1-Dichloroethene	96	3.390	3.390	(0.612)	39019	20.0000	21
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.390	3.401	(0.612)	41164	20.0000	21
9	Acetone	43	3.453	3.453	(0.624)	22420	20.0000	21
10	Carbon Disulfide	76	3.621	3.621	(0.654)	126314	20.0000	21
11	Methyl Acetate	43	3.799	3.799	(0.686)	40223	20.0000	21
12	Methylene Chloride	84	3.903	3.904	(0.705)	50819	20.0000	22
13	trans-1,2-Dichloroethene	96	4.197	4.197	(0.758)	48761	20.0000	20
14	Methyl tert-Butyl Ether	73	4.207	4.207	(0.760)	92186	20.0000	20
15	1,1-Dichloroethane	63	4.647	4.647	(0.839)	99226	20.0000	21
17	cis-1,2-Dichloroethene	96	5.275	5.276	(0.953)	45383	20.0000	20
16	2-Butanone	43	5.296	5.297	(0.957)	32268	20.0000	21
* 18	Bromochloromethane	128	5.537	5.537	(1.000)	61875	50.0000	
19	Chloroform	83	5.621	5.621	(1.015)	91729	20.0000	21
20	1,1,1-Trichloroethane	97	5.831	5.820	(0.874)	70346	20.0000	21
21	Cyclohexane	56	5.893	5.883	(0.884)	69235	20.0000	20
22	Carbon Tetrachloride	117	6.009	6.009	(0.901)	59334	20.0000	20

Data File: \\Avogadro\Organics\organic\voa\V2.i\070818.B\V2J8852.D
Report Date: 22-Aug-2007 09:15

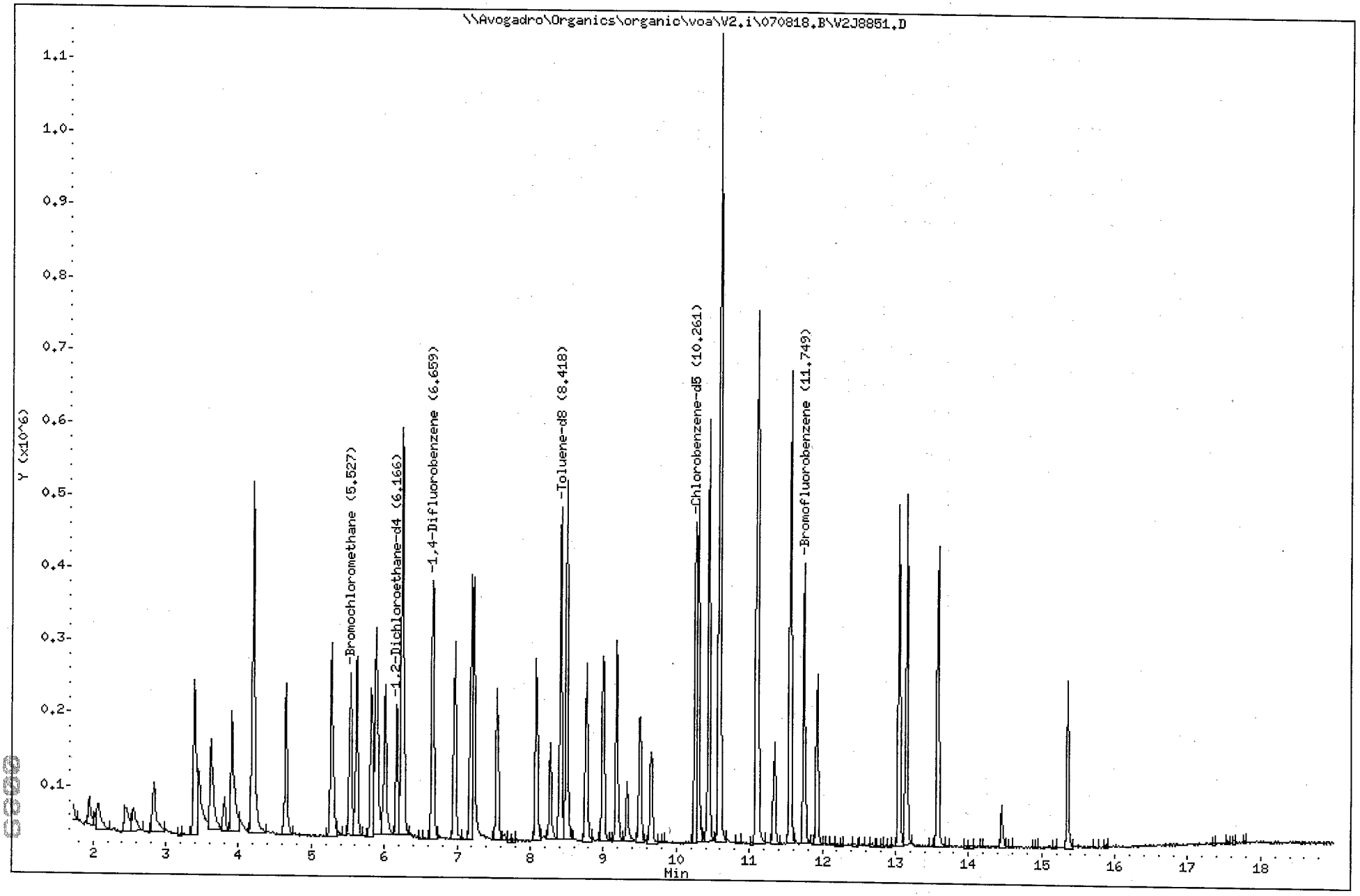
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	23 1,2-Dichloroethane-d4	65	6.176	6.166	(1.115)	61500	20.0000	21
	25 Benzene	78	6.239	6.239	(0.936)	169088	20.0000	20
	24 1,2-Dichloroethane	62	6.260	6.250	(1.130)	76801	20.0000	21
*	26 1,4-Difluorobenzene	114	6.668	6.658	(1.000)	310823	50.0000	
	27 Trichloroethene	130	6.962	6.962	(1.044)	40043	20.0000	20
	28 Methylcyclohexane	83	7.192	7.192	(1.079)	51300	20.0000	19
	29 1,2-Dichloropropane	63	7.234	7.224	(1.085)	53939	20.0000	20
	30 Bromodichloromethane	83	7.548	7.548	(1.132)	63876	20.0000	20
	31 cis-1,3-Dichloropropene	75	8.082	8.082	(1.212)	57337	20.0000	19
	32 4-Methyl-2-Pentanone	43	8.281	8.271	(0.807)	50719	20.0000	19
$	33 Toluene-d8	98	8.418	8.418	(0.820)	135487	20.0000	20
	34 Toluene	91	8.501	8.501	(0.829)	167805	20.0000	20
	35 trans-1,3-Dichloropropene	75	8.774	8.763	(1.316)	55082	20.0000	19
	36 1,1,2-Trichloroethane	97	9.004	8.994	(1.350)	41557	20.0000	20
	37 Tetrachloroethene	164	9.193	9.182	(0.896)	30538	20.0000	20
	38 2-Hexanone	43	9.329	9.318	(0.909)	31211	20.0000	18
	39 Dibromochloromethane	129	9.507	9.507	(1.426)	45346	20.0000	20
	40 1,2-Dibromoethane	107	9.664	9.654	(0.942)	43024	20.0000	20
*	42 Chlorobenzene-d5	117	10.261	10.261	(1.000)	275057	50.0000	
	43 Chlorobenzene	112	10.303	10.303	(1.004)	119571	20.0000	20
	44 Ethylbenzene	106	10.449	10.439	(1.018)	53249	20.0000	19
	45 m,p-Xylene	106	10.596	10.596	(1.033)	143075	40.0000	39
	46 o-Xylene	106	11.109	11.099	(1.083)	65885	20.0000	19
	47 Styrene	104	11.120	11.120	(1.084)	66639	20.0000	18
	48 Bromoform	173	11.350	11.340	(1.702)	29436	20.0000	19
M	41 Xylene (Total)	106				208960	20.0000	61
	49 Isopropylbenzene	105	11.570	11.560	(1.128)	162118	20.0000	19
$	50 Bromofluorobenzene	95	11.759	11.748	(1.146)	54586	20.0000	18
	51 1,1,2,2-Tetrachloroethane	83	11.926	11.926	(1.162)	55895	20.0000	19
	52 1,3-Dichlorobenzene	146	13.057	13.047	(1.273)	66616	20.0000	18
	53 1,4-Dichlorobenzene	146	13.162	13.152	(1.283)	71322	20.0000	18
	54 1,2-Dichlorobenzene	146	13.591	13.581	(1.325)	61291	20.0000	18
	55 1,2-Dibromo-3-chloropropane	75	14.461	14.450	(1.409)	6691	20.0000	19
	56 1,2,4-Trichlorobenzene	180	15.361	15.362	(1.497)	26324	20.0000	16

SB 8/22/07

Data File: \\Avogadro\Organics\organic\voa\V2.i\070818.B\V2J8851.D
Date : 18-AUG-2007 10:46
Client ID: VSTD0502X
Sample Info: 5ML,VSTD0502X,VSTD0502X
Purge Volume: 5.0
Column phase: DB-624

Instrument: V2.i

Operator: HZ SRC: HZ
Column diameter: 0.25



5888

Data File: \\Avogadro\Organics\organic\voa\V2.i\070818.B\V2J8851.D
Report Date: 22-Aug-2007 09:15

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070818.B\V2J8851.D
Lab Smp Id: VSTD0502X Client Smp ID: VSTD0502X
Inj Date : 18-AUG-2007 10:46
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 5ML,VSTD0502X,VSTD0502X
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070818.B\v2clp4S.m
Meth Date : 22-Aug-2007 09:09 sbotvin Quant Type: ISTD
Cal Date : 18-AUG-2007 10:46 Cal File: V2J8851.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/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)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.736	1.736	(0.313)	39373	50.0000	52
2	Chloromethane	50	1.945	1.945	(0.351)	104461	50.0000	52
3	Vinyl Chloride	62	2.071	2.071	(0.374)	96944	50.0000	51
4	Bromomethane	94	2.448	2.448	(0.442)	67004	50.0000	48
5	Chloroethane	64	2.552	2.552	(0.461)	63716	50.0000	53
6	Trichlorofluoromethane	101	2.835	2.835	(0.512)	130420	50.0000	52
7	1,1-Dichloroethene	96	3.390	3.390	(0.612)	93914	50.0000	49
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.401	3.401	(0.614)	103118	50.0000	53
9	Acetone	43	3.453	3.453	(0.624)	54694	50.0000	51
10	Carbon Disulfide	76	3.621	3.621	(0.654)	314218	50.0000	51
11	Methyl Acetate	43	3.799	3.799	(0.686)	97067	50.0000	50
12	Methylene Chloride	84	3.904	3.904	(0.705)	122547	50.0000	52
13	trans-1,2-Dichloroethene	96	4.197	4.197	(0.758)	124926	50.0000	51
14	Methyl tert-Butyl Ether	73	4.207	4.207	(0.760)	232847	50.0000	50
15	1,1-Dichloroethane	63	4.647	4.647	(0.839)	238925	50.0000	49
17	cis-1,2-Dichloroethene	96	5.276	5.276	(0.953)	119936	50.0000	51
16	2-Butanone	43	5.297	5.297	(0.957)	82110	50.0000	52
* 18	Bromochloromethane	128	5.537	5.537	(1.000)	63292	50.0000	
19	Chloroform	83	5.621	5.621	(1.015)	222150	50.0000	50
20	1,1,1-Trichloroethane	97	5.820	5.820	(0.874)	167921	50.0000	49
21	Cyclohexane	56	5.883	5.883	(0.884)	181593	50.0000	50
22	Carbon Tetrachloride	117	6.009	6.009	(0.902)	146314	50.0000	49

Data File: \\Avogadro\Organics\organic\voa\V2.i\070818.B\V2J8851.D
Report Date: 22-Aug-2007 09:15

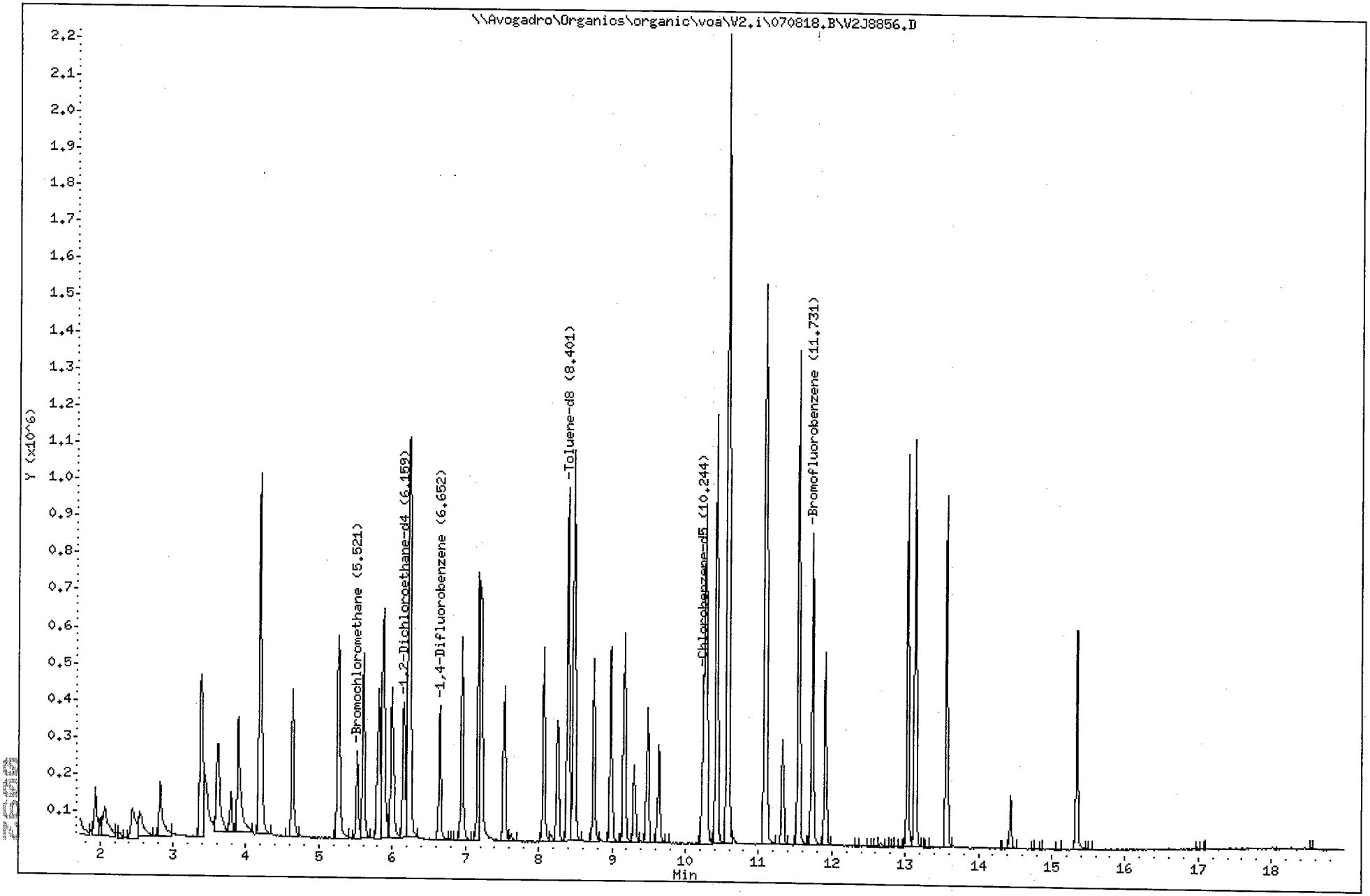
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	23 1,2-Dichloroethane-d4	65	6.166	6.166	(1.113)	152241	50.0000	50
	25 Benzene	78	6.239	6.239	(0.937)	436199	50.0000	51
	24 1,2-Dichloroethane	62	6.250	6.250	(1.129)	184703	50.0000	50
*	26 1,4-Difluorobenzene	114	6.658	6.658	(1.000)	316507	50.0000	
	27 Trichloroethene	130	6.962	6.962	(1.046)	99240	50.0000	49
	28 Methylcyclohexane	83	7.192	7.192	(1.080)	141367	50.0000	51
	29 1,2-Dichloropropane	63	7.224	7.224	(1.085)	140182	50.0000	51
	30 Bromodichloromethane	83	7.548	7.548	(1.134)	159958	50.0000	50
	31 cis-1,3-Dichloropropene	75	8.082	8.082	(1.214)	154902	50.0000	50
	32 4-Methyl-2-Pentanone	43	8.271	8.271	(0.806)	136825	50.0000	51
$	33 Toluene-d8	98	8.418	8.418	(0.820)	355062	50.0000	52
	34 Toluene	91	8.501	8.501	(0.829)	426800	50.0000	51
	35 trans-1,3-Dichloropropene	75	8.763	8.763	(1.316)	150883	50.0000	51
	36 1,1,2-Trichloroethane	97	8.994	8.994	(1.351)	100072	50.0000	48
	37 Tetrachloroethene	164	9.182	9.182	(0.895)	77447	50.0000	49
	38 2-Hexanone	43	9.318	9.318	(0.908)	89090	50.0000	50
	39 Dibromochloromethane	129	9.507	9.507	(1.428)	112533	50.0000	49
	40 1,2-Dibromoethane	107	9.654	9.654	(0.941)	109263	50.0000	50
*	42 Chlorobenzene-d5	117	10.261	10.261	(1.000)	276371	50.0000	
	43 Chlorobenzene	112	10.303	10.303	(1.004)	292493	50.0000	50
	44 Ethylbenzene	106	10.439	10.439	(1.017)	142213	50.0000	51
	45 m,p-Xylene	106	10.596	10.596	(1.033)	376580	100.000	100
	46 o-Xylene	106	11.099	11.099	(1.082)	177539	50.0000	52
	47 Styrene	104	11.120	11.120	(1.084)	195138	50.0000	54
	48 Bromoform	173	11.340	11.340	(1.703)	79908	50.0000	51
M	41 Xylene (Total)	106				554119	50.0000	160
	49 Isopropylbenzene	105	11.560	11.560	(1.127)	454763	50.0000	52
$	50 Bromofluorobenzene	95	11.748	11.748	(1.145)	156377	50.0000	52
	51 1,1,2,2-Tetrachloroethane	83	11.926	11.926	(1.162)	145653	50.0000	49
	52 1,3-Dichlorobenzene	146	13.047	13.047	(1.271)	190892	50.0000	51
	53 1,4-Dichlorobenzene	146	13.152	13.152	(1.282)	210610	50.0000	52
	54 1,2-Dichlorobenzene	146	13.581	13.581	(1.324)	179111	50.0000	51
	55 1,2-Dibromo-3-chloropropane	75	14.450	14.450	(1.408)	18160	50.0000	50
	56 1,2,4-Trichlorobenzene	180	15.362	15.362	(1.497)	85501	50.0000	50

SB 8/22/07

Data File: \\Avogadro\Organics\organic\voa\V2.i\070818.B\V2J8856.D
Date : 18-AUG-2007 13:10
Client ID: VSTD1002X
Sample Info: 5ML,VSTD1002X,VSTD1002X
Purge Volume: 5.0
Column phase: DB-624

Instrument: V2.i

Operator: HZ SRC: HZ
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\070818.B\V2J8856.D
Report Date: 22-Aug-2007 09:15

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070818.B\V2J8856.D
Lab Smp Id: VSTD1002X Client Smp ID: VSTD1002X
Inj Date : 18-AUG-2007 13:10
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 5ML,VSTD1002X,VSTD1002X
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070818.B\v2clp4S.m
Meth Date : 22-Aug-2007 09:09 sbotvin Quant Type: ISTD
Cal Date : 18-AUG-2007 10:46 Cal File: V2J8851.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/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	1.729	1.736	(0.313)	76293	100.000	100
2	Chloromethane	50	1.938	1.945	(0.351)	203677	100.000	100
3	Vinyl Chloride	62	2.064	2.071	(0.374)	194394	100.000	100
4	Bromomethane	94	2.441	2.448	(0.442)	139550	100.000	100
5	Chloroethane	64	2.546	2.552	(0.461)	123362	100.000	100
6	Trichlorofluoromethane	101	2.818	2.835	(0.511)	262542	100.000	100
7	1,1-Dichloroethene	96	3.383	3.390	(0.613)	194464	100.000	100
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.383	3.401	(0.613)	192103	100.000	97
9	Acetone	43	3.436	3.453	(0.622)	95612	100.000	88
10	Carbon Disulfide	76	3.614	3.621	(0.655)	619868	100.000	99
11	Methyl Acetate	43	3.792	3.799	(0.687)	191583	100.000	98
12	Methylene Chloride	84	3.897	3.904	(0.706)	233079	100.000	98
13	trans-1,2-Dichloroethene	96	4.190	4.197	(0.759)	246608	100.000	100
14	Methyl tert-Butyl Ether	73	4.190	4.207	(0.759)	501504	100.000	110
15	1,1-Dichloroethane	63	4.640	4.647	(0.841)	489404	100.000	100
17	cis-1,2-Dichloroethene	96	5.258	5.276	(0.953)	247133	100.000	100
16	2-Butanone	43	5.279	5.297	(0.956)	160430	100.000	100
* 18	Bromochloromethane	128	5.520	5.537	(1.000)	63563	50.0000	
19	Chloroform	83	5.604	5.621	(1.015)	436431	100.000	99
20	1,1,1-Trichloroethane	97	5.813	5.820	(0.874)	334361	100.000	96
21	Cyclohexane	56	5.876	5.883	(0.883)	392962	100.000	110
22	Carbon Tetrachloride	117	5.991	6.009	(0.901)	296726	100.000	98

Data File: \\Avogadro\Organics\organic\voa\V2.i\070818.B\V2J8856.D
Report Date: 22-Aug-2007 09:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	23 1,2-Dichloroethane-d4	65	6.159	6.166	(1.116)	297709	100.000	97
	25 Benzene	78	6.222	6.239	(0.935)	884980	100.000	100
	24 1,2-Dichloroethane	62	6.243	6.250	(1.131)	371362	100.000	99
*	26 1,4-Difluorobenzene	114	6.651	6.658	(1.000)	323570	50.0000	
	27 Trichloroethene	130	6.955	6.962	(1.046)	210453	100.000	100
	28 Methylcyclohexane	83	7.175	7.192	(1.079)	301976	100.000	110
	29 1,2-Dichloropropane	63	7.217	7.224	(1.085)	271029	100.000	97
	30 Bromodichloromethane	83	7.531	7.548	(1.132)	310725	100.000	96
	31 cis-1,3-Dichloropropene	75	8.065	8.082	(1.213)	331089	100.000	110
	32 4-Methyl-2-Pentanone	43	8.254	8.271	(0.806)	318067	100.000	120
$	33 Toluene-d8	98	8.400	8.418	(0.820)	738641	100.000	110
	34 Toluene	91	8.484	8.501	(0.828)	896990	100.000	110
	35 trans-1,3-Dichloropropene	75	8.756	8.763	(1.316)	317428	100.000	100
	36 1,1,2-Trichloroethane	97	8.987	8.994	(1.351)	207824	100.000	98
	37 Tetrachloroethene	164	9.175	9.182	(0.896)	165590	100.000	100
	38 2-Hexanone	43	9.301	9.318	(0.908)	205708	100.000	110
	39 Dibromochloromethane	129	9.489	9.507	(1.427)	231131	100.000	99
	40 1,2-Dibromoethane	107	9.636	9.654	(0.941)	229637	100.000	100
*	42 Chlorobenzene-d5	117	10.244	10.261	(1.000)	281596	50.0000	
	43 Chlorobenzene	112	10.285	10.303	(1.004)	602481	100.000	100
	44 Ethylbenzene	106	10.422	10.439	(1.017)	305869	100.000	110
	45 m,p-Xylene	106	10.579	10.596	(1.033)	783191	200.000	210
	46 o-Xylene	106	11.081	11.099	(1.082)	390838	100.000	110
	47 Styrene	104	11.102	11.120	(1.084)	425329	100.000	120
	48 Bromoform	173	11.333	11.340	(1.704)	165668	100.000	100
M	41 Xylene (Total)	106				1174029	100.000	330(A)
	49 Isopropylbenzene	105	11.542	11.560	(1.127)	1011370	100.000	110
$	50 Bromofluorobenzene	95	11.731	11.748	(1.145)	337107	100.000	110
	51 1,1,2,2-Tetrachloroethane	83	11.909	11.926	(1.163)	330407	100.000	110
	52 1,3-Dichlorobenzene	146	13.030	13.047	(1.272)	448471	100.000	120
	53 1,4-Dichlorobenzene	146	13.134	13.152	(1.282)	470463	100.000	110
	54 1,2-Dichlorobenzene	146	13.564	13.581	(1.324)	411422	100.000	110
	55 1,2-Dibromo-3-chloropropane	75	14.433	14.450	(1.409)	42871	100.000	120
	56 1,2,4-Trichlorobenzene	180	15.344	15.362	(1.498)	221638	100.000	130

(53)
8/22/07

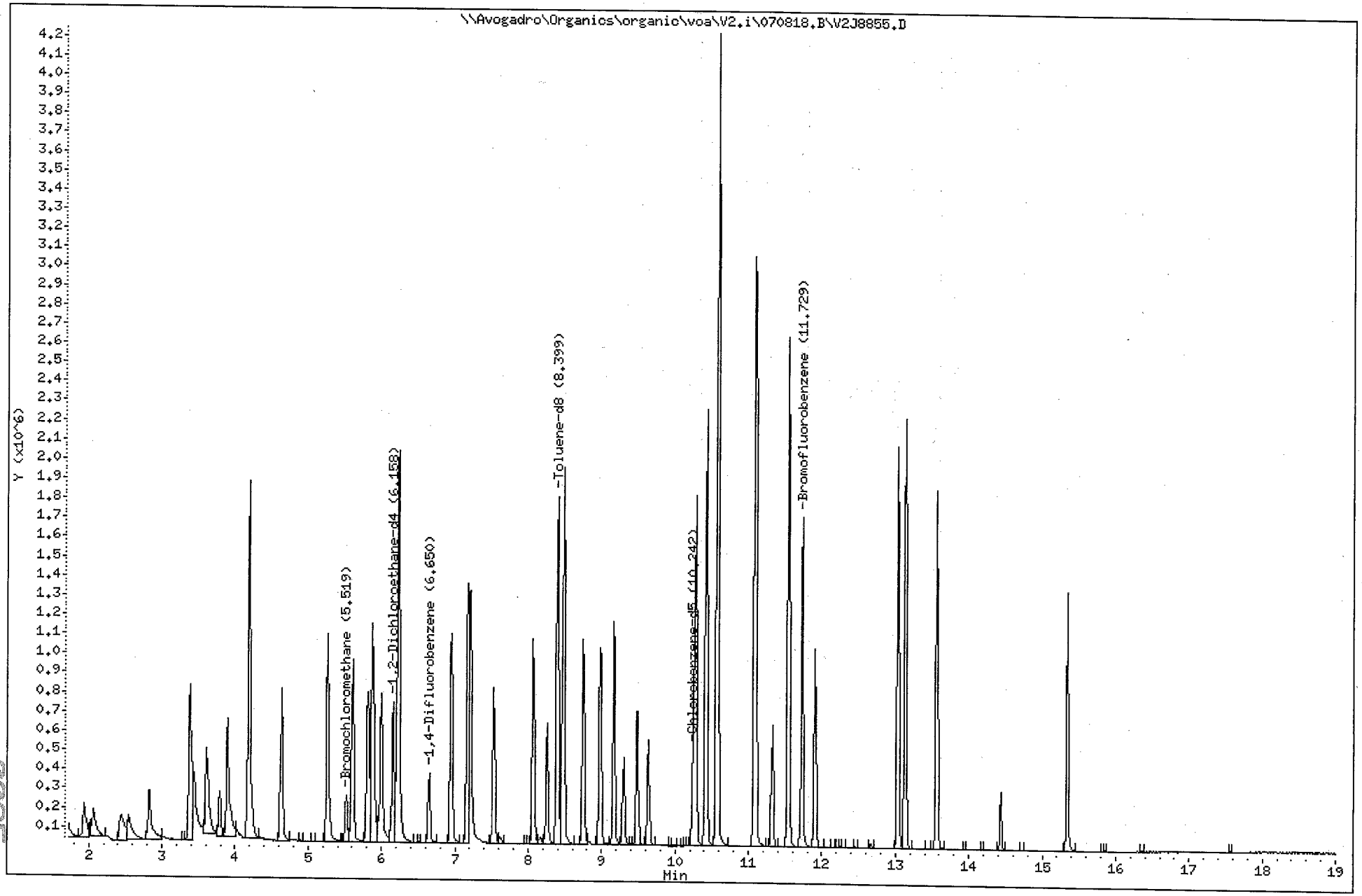
QC Flag Legend

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

Data File: \\Avogadro\Organics\organic\voa\V2.i\070818.B\V2J8855.D
Date : 18-AUG-2007 12:42
Client ID: VSTD2002X
Sample Info: 5ML,VSTD2002X,VSTD2002X
Purge Volume: 5.0
Column phase: DB-624

Instrument: V2.i

Operator: HZ SRC: HZ
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\070818.B\V2J8855.D
Report Date: 22-Aug-2007 09:15

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070818.B\V2J8855.D
Lab Smp Id: VSTD2002X Client Smp ID: VSTD2002X
Inj Date : 18-AUG-2007 12:42
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 5ML,VSTD2002X,VSTD2002X
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070818.B\v2clp4S.m
Meth Date : 22-Aug-2007 09:09 sbotvin Quant Type: ISTD
Cal Date : 18-AUG-2007 10:46 Cal File: V2J8851.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/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)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.727	1.736	(0.313)	144593	200.000	190
2	Chloromethane	50	1.936	1.945	(0.351)	382599	200.000	190
3	Vinyl Chloride	62	2.062	2.071	(0.374)	367424	200.000	190
4	Bromomethane	94	2.439	2.448	(0.442)	250297	200.000	180
5	Chloroethane	64	2.544	2.552	(0.461)	235505	200.000	200
6	Trichlorofluoromethane	101	2.826	2.835	(0.512)	490122	200.000	190
7	1,1-Dichloroethene	96	3.382	3.390	(0.613)	368066	200.000	190
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.392	3.401	(0.615)	352950	200.000	180
9	Acetone	43	3.434	3.453	(0.622)	184693	200.000	170
10	Carbon Disulfide	76	3.612	3.621	(0.655)	1167787	200.000	190
11	Methyl Acetate	43	3.790	3.799	(0.687)	348078	200.000	180
12	Methylene Chloride	84	3.895	3.904	(0.706)	443594	200.000	190
13	trans-1,2-Dichloroethene	96	4.188	4.197	(0.759)	469744	200.000	190
14	Methyl tert-Butyl Ether	73	4.188	4.207	(0.759)	950467	200.000	200
15	1,1-Dichloroethane	63	4.638	4.647	(0.841)	940288	200.000	190
17	cis-1,2-Dichloroethene	96	5.256	5.276	(0.953)	484488	200.000	210(A)
16	2-Butanone	43	5.277	5.297	(0.956)	294941	200.000	190
* 18	Bromochloromethane	128	5.518	5.537	(1.000)	63219	50.0000	
19	Chloroform	83	5.602	5.621	(1.015)	834891	200.000	190
20	1,1,1-Trichloroethane	97	5.811	5.820	(0.874)	640420	200.000	190
21	Cyclohexane	56	5.874	5.883	(0.883)	761630	200.000	220(A)
22	Carbon Tetrachloride	117	5.989	6.009	(0.901)	575800	200.000	200

Data File: \\Avogadro\Organics\organic\voa\V2.i\070818.B\V2J8855.D
Report Date: 22-Aug-2007 09:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	23 1,2-Dichloroethane-d4	65	6.157	6.166	(1.116)	573264	200.000	190
	25 Benzene	78	6.220	6.239	(0.935)	1658404	200.000	200
	24 1,2-Dichloroethane	62	6.241	6.250	(1.131)	702765	200.000	190
*	26 1,4-Difluorobenzene	114	6.649	6.658	(1.000)	306711	50.0000	
	27 Trichloroethene	130	6.953	6.962	(1.046)	410324	200.000	210 (A)
	28 Methylcyclohexane	83	7.173	7.192	(1.079)	585585	200.000	220 (A)
	29 1,2-Dichloropropane	63	7.215	7.224	(1.085)	517417	200.000	200
	30 Bromodichloromethane	83	7.529	7.548	(1.132)	612618	200.000	200
	31 cis-1,3-Dichloropropene	75	8.063	8.082	(1.213)	660636	200.000	220 (A)
	32 4-Methyl-2-Pentanone	43	8.252	8.271	(0.806)	594932	200.000	210 (A)
$	33 Toluene-d8	98	8.398	8.418	(0.820)	1423287	200.000	200
	34 Toluene	91	8.482	8.501	(0.828)	1709146	200.000	200
	35 trans-1,3-Dichloropropene	75	8.744	8.763	(1.315)	653601	200.000	230 (A)
	36 1,1,2-Trichloroethane	97	8.974	8.994	(1.350)	409459	200.000	200
	37 Tetrachloroethene	164	9.163	9.182	(0.895)	331465	200.000	200
	38 2-Hexanone	43	9.299	9.318	(0.908)	425104	200.000	230 (A)
	39 Dibromochloromethane	129	9.488	9.507	(1.427)	470405	200.000	210 (A)
	40 1,2-Dibromoethane	107	9.634	9.654	(0.941)	464354	200.000	210 (A)
*	42 Chlorobenzene-d5	117	10.242	10.261	(1.000)	285036	50.0000	
	43 Chlorobenzene	112	10.273	10.303	(1.003)	1197017	200.000	200
	44 Ethylbenzene	106	10.420	10.439	(1.017)	614059	200.000	210 (A)
	45 m,p-Xylene	106	10.577	10.596	(1.033)	1526740	400.000	410 (A)
	46 o-Xylene	106	11.080	11.099	(1.082)	786334	200.000	220 (A)
	47 Styrene	104	11.101	11.120	(1.084)	856311	200.000	230 (A)
	48 Bromoform	173	11.321	11.340	(1.702)	353204	200.000	230 (A)
M	41 Xylene (Total)	106				2313074	200.000	650 (A)
	49 Isopropylbenzene	105	11.540	11.560	(1.127)	2023075	200.000	220 (A)
$	50 Bromofluorobenzene	95	11.729	11.748	(1.145)	710631	200.000	230 (A)
	51 1,1,2,2-Tetrachloroethane	83	11.907	11.926	(1.163)	646834	200.000	210 (A)
	52 1,3-Dichlorobenzene	146	13.028	13.047	(1.272)	915303	200.000	230 (A)
	53 1,4-Dichlorobenzene	146	13.132	13.152	(1.282)	950097	200.000	230 (A)
	54 1,2-Dichlorobenzene	146	13.562	13.581	(1.324)	840765	200.000	230 (A)
	55 1,2-Dibromo-3-chloropropane	75	14.431	14.450	(1.409)	86408	200.000	230 (A)
	56 1,2,4-Trichlorobenzene	180	15.332	15.362	(1.497)	473593	200.000	270 (A)

QC Flag Legend

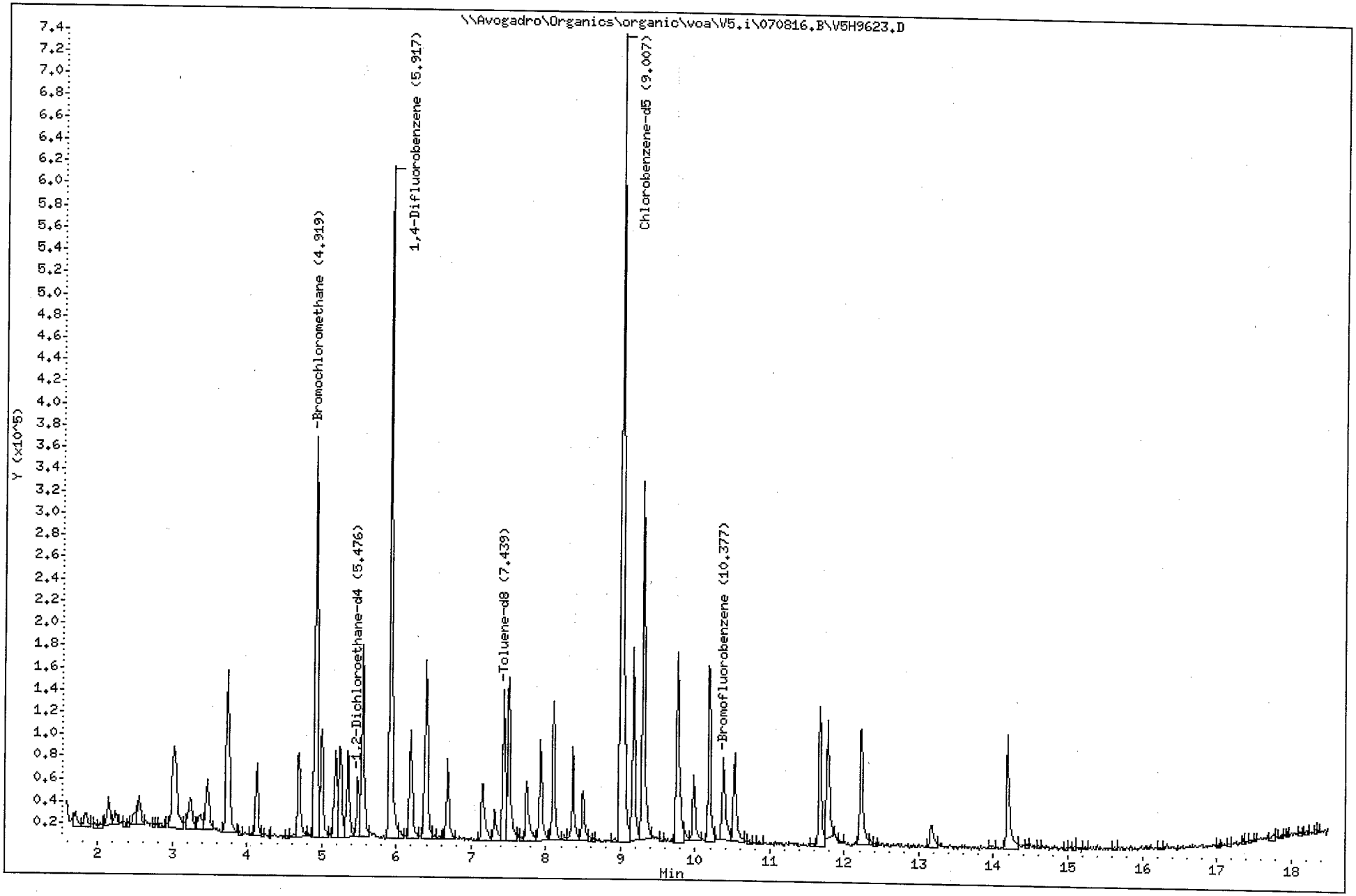
A - Target compound detected but, quantitated amount exceeded maximum amount.

8/22/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\070816.B\V5H9623.D
Date : 16-AUG-2007 18:37
Client ID: VSTD010H5
Sample Info: 5ML,VSTD010H5,VSTD010H5
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\070816.B\V5H9623.D
Report Date: 20-Aug-2007 10:03

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070816.B\V5H9623.D
Lab Smp Id: VSTD010H5 Client Smp ID: VSTD010H5
Inj Date : 16-AUG-2007 18:37
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5ML,VSTD010H5,VSTD010H5
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070816.B\v5clp4.m
Meth Date : 20-Aug-2007 10:00 sbotvin Quant Type: ISTD
Cal Date : 16-AUG-2007 17:43 Cal File: V5H9621.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/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	1.574	1.575	(0.320)	11771	10.0000	10
2	Chloromethane	50	1.701	1.715	(0.346)	11610	10.0000	10
3	Vinyl Chloride	62	1.829	1.854	(0.372)	18443	10.0000	11
4	Bromomethane	94	2.143	2.156	(0.436)	16440	10.0000	11
5	Chloroethane	64	2.236	2.249	(0.455)	10542	10.0000	11
6	Trichlorofluoromethane	101	2.549	2.551	(0.518)	52959	10.0000	11
7	1,1-Dichloroethene	96	3.014	3.015	(0.613)	23277	10.0000	12
9	Acetone	43	3.060	3.050	(0.622)	12277	10.0000	11
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.037	3.038	(0.618)	25687	10.0000	10
10	Carbon Disulfide	76	3.234	3.247	(0.658)	58876	10.0000	10
11	Methyl Acetate	43	3.374	3.364	(0.686)	20957	10.0000	10
12	Methylene Chloride	84	3.467	3.468	(0.705)	24160	10.0000	11
13	trans-1,2-Dichloroethene	96	3.734	3.735	(0.759)	44363	10.0000	11
14	Methyl tert-Butyl Ether	73	3.745	3.747	(0.762)	122911	10.0000	10
15	1,1-Dichloroethane	63	4.129	4.130	(0.839)	74575	10.0000	10
16	cis-1,2-Dichloroethene	96	4.698	4.687	(0.955)	41713	10.0000	10
17	2-Butanone	43	4.721	4.699	(0.960)	14454	10.0000	9(a)
* 18	Bromochloromethane	128	4.918	4.920	(1.000)	147885	50.0000	
20	Chloroform	83	5.000	4.989	(1.017)	87699	10.0000	11
21	1,1,1-Trichloroethane	97	5.185	5.187	(0.876)	74047	10.0000	10
22	Cyclohexane	56	5.255	5.245	(0.888)	44076	10.0000	10
23	Carbon Tetrachloride	117	5.348	5.349	(0.904)	68571	10.0000	10

Data File: \\Avogadro\Organics\organic\voa\V5.i\070816.B\V5H9623.D
Report Date: 20-Aug-2007 10:03

	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	5.476	5.477	(1.113)	50389	10.0000	9(a)
	25 Benzene	78	5.545	5.535	(0.937)	145934	10.0000	11
	26 1,2-Dichloroethane	62	5.557	5.547	(1.130)	60846	10.0000	10
*	27 1,4-Difluorobenzene	114	5.917	5.918	(1.000)	660721	50.0000	
	28 Trichloroethene	130	6.184	6.186	(1.045)	46903	10.0000	10
	29 Methylcyclohexane	83	6.393	6.383	(1.080)	49140	10.0000	10
	30 1,2-Dichloropropane	63	6.405	6.395	(1.082)	34670	10.0000	11
	31 Bromodichloromethane	83	6.683	6.673	(1.130)	59669	10.0000	10
	33 cis-1,3-Dichloropropene	75	7.148	7.149	(1.208)	43580	10.0000	8(a)
	34 4-Methyl-2-Pentanone	43	7.311	7.300	(0.812)	25065	10.0000	7(a)
$	35 Toluene-d8	98	7.438	7.428	(0.826)	117628	10.0000	9(a)
	36 Toluene	91	7.508	7.498	(0.834)	143692	10.0000	10
	37 trans-1,3-Dichloropropene	75	7.740	7.730	(1.308)	47294	10.0000	9(a)
	38 1,1,2-Trichloroethane	97	7.926	7.916	(1.340)	37055	10.0000	10
	39 Tetrachloroethene	164	8.100	8.102	(0.899)	41409	10.0000	11
	40 2-Hexanone	43	8.251	8.206	(0.916)	12926	10.0000	6(a)
	41 Dibromochloromethane	129	8.356	8.357	(1.412)	56634	10.0000	10(T)
	42 1,2-Dibromoethane	107	8.495	8.485	(0.943)	48785	10.0000	10
*	43 Chlorobenzene-d5	117	9.006	9.008	(1.000)	558530	50.0000	
	44 Chlorobenzene	112	9.041	9.031	(1.004)	104811	10.0000	10
	45 Ethylbenzene	106	9.169	9.158	(1.018)	49372	10.0000	10
	46 m,p-Xylene	106	9.296	9.298	(1.032)	127298	20.0000	21
	47 o-Xylene	106	9.749	9.751	(1.083)	57714	10.0000	10
	48 Styrene	104	9.784	9.762	(1.086)	64242	10.0000	10
	49 Bromoform	173	9.982	9.971	(1.687)	44350	10.0000	9(a)
	50 Isopropylbenzene	105	10.191	10.180	(1.132)	151485	10.0000	9(a)
$	51 Bromofluorobenzene	95	10.376	10.355	(1.152)	45518	10.0000	9(a)
	52 1,1,2,2-Tetrachloroethane	83	10.527	10.517	(1.169)	58323	10.0000	10
M	53 Xylene (Total)	106				185012	10.0000	31
	54 1,3-Dichlorobenzene	146	11.665	11.655	(1.295)	79692	10.0000	9(a)
	55 1,4-Dichlorobenzene	146	11.770	11.760	(1.307)	95364	10.0000	10
	56 1,2-Dichlorobenzene	146	12.223	12.201	(1.357)	82812	10.0000	9(a)
	57 1,2-Dibromo-3-chloropropane	75	13.187	13.153	(1.464)	8309	10.0000	7(a)
	58 1,2,4-Trichlorobenzene	180	14.185	14.175	(1.575)	60927	10.0000	9(a)

QC Flag Legend

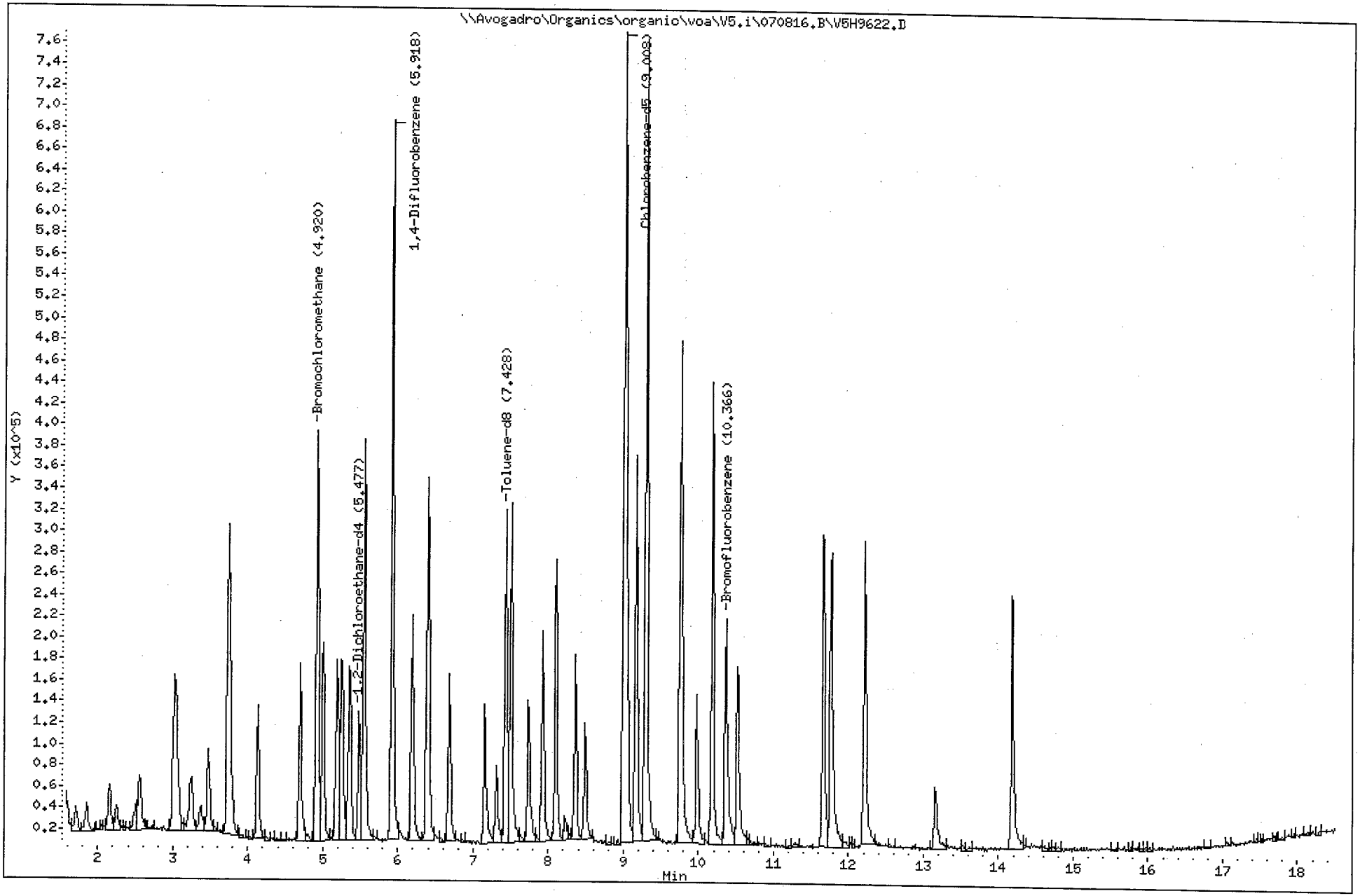
T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

SB 8/20/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\070816.B\V5H9622.D
Date : 16-AUG-2007 18:10
Client ID: VSTD020H5
Sample Info: 5ML,VSTD020H5,VSTD020H5
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\070816.B\V5H9622.D
Report Date: 20-Aug-2007 10:03

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070816.B\V5H9622.D
Lab Smp Id: VSTD020H5 Client Smp ID: VSTD020H5
Inj Date : 16-AUG-2007 18:10
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5ML,VSTD020H5,VSTD020H5
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070816.B\v5clp4.m
Meth Date : 20-Aug-2007 10:00 sbotvin Quant Type: ISTD
Cal Date : 16-AUG-2007 17:43 Cal File: V5H9621.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/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)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.575	1.575	(0.320)	25159	20.0000	20
2	Chloromethane	50	1.714	1.715	(0.349)	24980	20.0000	20
3	Vinyl Chloride	62	1.853	1.854	(0.377)	36014	20.0000	20
4	Bromomethane	94	2.155	2.156	(0.438)	32131	20.0000	21
5	Chloroethane	64	2.248	2.249	(0.457)	22268	20.0000	21
6	Trichlorofluoromethane	101	2.562	2.551	(0.521)	103656	20.0000	20
7	1,1-Dichloroethene	96	3.015	3.015	(0.613)	42699	20.0000	21
9	Acetone	43	3.061	3.050	(0.622)	26296	20.0000	22
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.038	3.038	(0.618)	53325	20.0000	21
10	Carbon Disulfide	76	3.247	3.247	(0.660)	124555	20.0000	21
11	Methyl Acetate	43	3.375	3.364	(0.686)	47483	20.0000	22
12	Methylene Chloride	84	3.479	3.468	(0.707)	45853	20.0000	20
13	trans-1,2-Dichloroethene	96	3.735	3.735	(0.759)	93237	20.0000	22
14	Methyl tert-Butyl Ether	73	3.746	3.747	(0.762)	265203	20.0000	21
15	1,1-Dichloroethane	63	4.130	4.130	(0.839)	149961	20.0000	20
16	cis-1,2-Dichloroethene	96	4.699	4.687	(0.955)	93780	20.0000	21
17	2-Butanone	43	4.710	4.699	(0.958)	32341	20.0000	19
* 18	Bromochloromethane	128	4.919	4.920	(1.000)	155596	50.0000	
20	Chloroform	83	5.001	4.989	(1.017)	172413	20.0000	20
21	1,1,1-Trichloroethane	97	5.186	5.187	(0.876)	154548	20.0000	21
22	Cyclohexane	56	5.256	5.245	(0.888)	94489	20.0000	20
23	Carbon Tetrachloride	117	5.349	5.349	(0.904)	142679	20.0000	20

Data File: \\Avogadro\Organics\organic\voa\V5.i\070816.B\V5H9622.D
Report Date: 20-Aug-2007 10:03

	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	5.477	5.477	(1.113)	114855	20.0000	20
	25 Benzene	78	5.546	5.535	(0.937)	305040	20.0000	22
	26 1,2-Dichloroethane	62	5.558	5.547	(1.130)	132504	20.0000	20
*	27 1,4-Difluorobenzene	114	5.918	5.918	(1.000)	691166	50.0000	
	28 Trichloroethene	130	6.185	6.186	(1.045)	101387	20.0000	20
	29 Methylcyclohexane	83	6.394	6.383	(1.080)	104198	20.0000	21
	30 1,2-Dichloropropane	63	6.406	6.395	(1.082)	76440	20.0000	22
	31 Bromodichloromethane	83	6.684	6.673	(1.129)	127341	20.0000	21
	33 cis-1,3-Dichloropropene	75	7.149	7.149	(1.208)	109445	20.0000	20
	34 4-Methyl-2-Pentanone	43	7.312	7.300	(0.812)	58778	20.0000	17
$	35 Toluene-d8	98	7.428	7.428	(0.825)	271443	20.0000	21
	36 Toluene	91	7.497	7.498	(0.832)	323635	20.0000	22
	37 trans-1,3-Dichloropropene	75	7.730	7.730	(1.306)	113364	20.0000	20
	38 1,1,2-Trichloroethane	97	7.927	7.916	(1.339)	80128	20.0000	21
	39 Tetrachloroethene	164	8.101	8.102	(0.899)	83304	20.0000	21
	40 2-Hexanone	43	8.217	8.206	(0.912)	42088	20.0000	18
	41 Dibromochloromethane	129	8.357	8.357	(1.412)	120030	20.0000	20(T)
	42 1,2-Dibromoethane	107	8.485	8.485	(0.942)	101561	20.0000	20
*	43 Chlorobenzene-d5	117	9.007	9.008	(1.000)	574864	50.0000	
	44 Chlorobenzene	112	9.042	9.031	(1.004)	229144	20.0000	22
	45 Ethylbenzene	106	9.170	9.158	(1.018)	111787	20.0000	21
	46 m,p-Xylene	106	9.297	9.298	(1.032)	281434	40.0000	45
	47 o-Xylene	106	9.750	9.751	(1.083)	133527	20.0000	22
	48 Styrene	104	9.774	9.762	(1.085)	142632	20.0000	21
	49 Bromoform	173	9.971	9.971	(1.685)	99302	20.0000	20
	50 Isopropylbenzene	105	10.180	10.180	(1.130)	350762	20.0000	21
$	51 Bromofluorobenzene	95	10.366	10.355	(1.151)	109283	20.0000	20
	52 1,1,2,2-Tetrachloroethane	83	10.517	10.517	(1.168)	125220	20.0000	21
M	53 Xylene (Total)	106				414961	20.0000	67
	54 1,3-Dichlorobenzene	146	11.666	11.655	(1.295)	187984	20.0000	20
	55 1,4-Dichlorobenzene	146	11.771	11.760	(1.307)	207321	20.0000	20
	56 1,2-Dichlorobenzene	146	12.212	12.201	(1.356)	183609	20.0000	20
	57 1,2-Dibromo-3-chloropropane	75	13.153	13.153	(1.460)	25754	20.0000	21
	58 1,2,4-Trichlorobenzene	180	14.187	14.175	(1.575)	132199	20.0000	19

QC Flag Legend

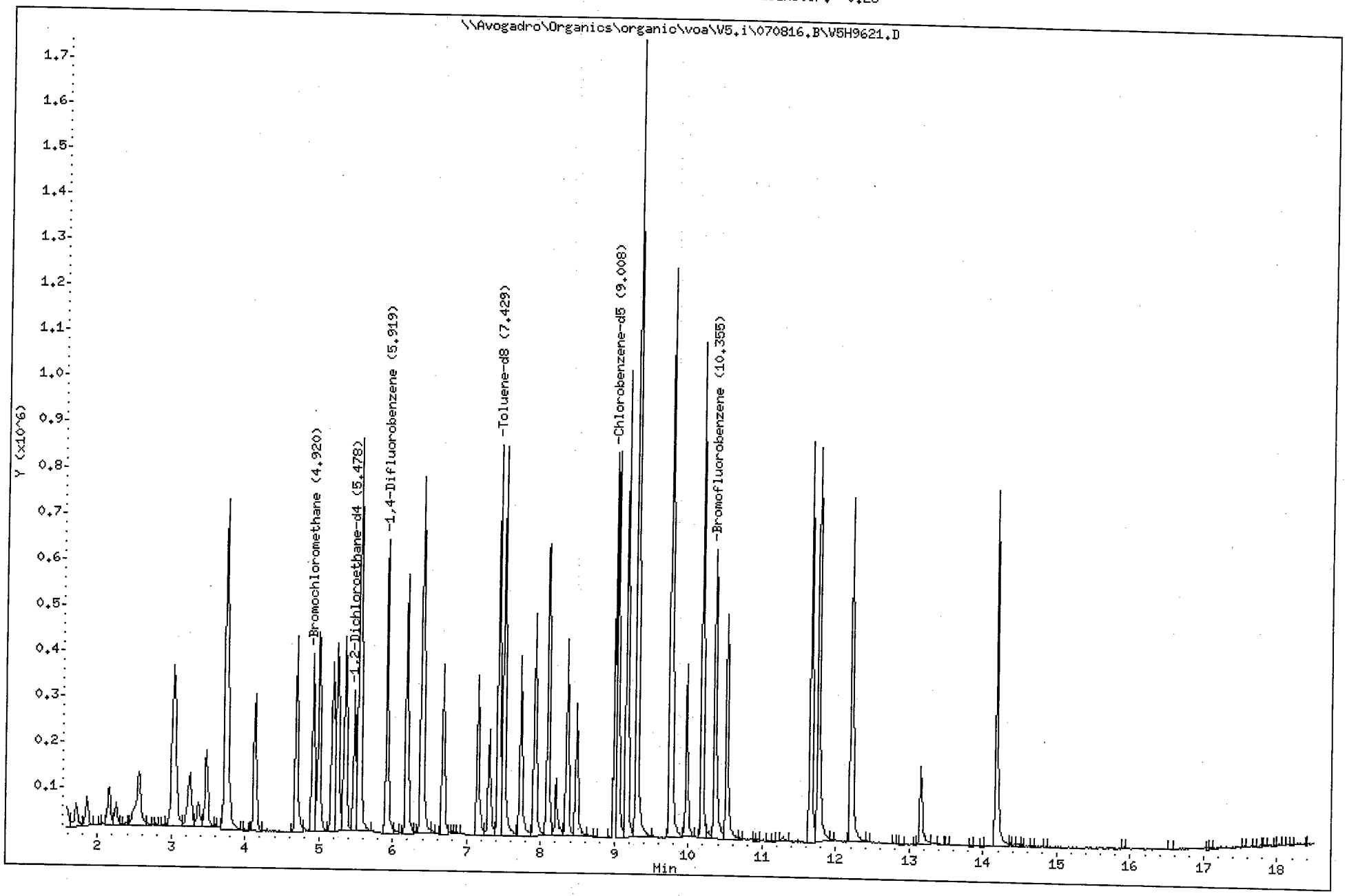
T - Target compound detected outside RT window.

8/20/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\070816.B\V5H9621.D
Date : 16-AUG-2007 17:43
Client ID: VSTD050H5
Sample Info: 5ML,VSTD050H5,VSTD050H5
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\070816.B\V5H9621.D
Report Date: 20-Aug-2007 10:03

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070816.B\V5H9621.D
Lab Smp Id: VSTD050H5 Client Smp ID: VSTD050H5
Inj Date : 16-AUG-2007 17:43
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5ML,VSTD050H5,VSTD050H5
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070816.B\v5clp4.m
Meth Date : 20-Aug-2007 10:00 sbotvin Quant Type: ISTD
Cal Date : 16-AUG-2007 17:43 Cal File: V5H9621.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/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)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.575	1.575	(0.320)	56562	50.0000	46
2	Chloromethane	50	1.715	1.715	(0.349)	59478	50.0000	49
3	Vinyl Chloride	62	1.854	1.854	(0.377)	84713	50.0000	49
4	Bromomethane	94	2.156	2.156	(0.438)	66292	50.0000	44
5	Chloroethane	64	2.249	2.249	(0.457)	51161	50.0000	50
6	Trichlorofluoromethane	101	2.551	2.551	(0.519)	239781	50.0000	48
7	1,1-Dichloroethene	96	3.015	3.015	(0.613)	95989	50.0000	48
9	Acetone	43	3.050	3.050	(0.620)	58997	50.0000	50
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.038	3.038	(0.618)	117660	50.0000	47
10	Carbon Disulfide	76	3.247	3.247	(0.660)	286438	50.0000	49
11	Methyl Acetate	43	3.364	3.364	(0.684)	97901	50.0000	47
12	Methylene Chloride	84	3.468	3.468	(0.705)	107638	50.0000	49
13	trans-1,2-Dichloroethene	96	3.735	3.735	(0.759)	214354	50.0000	51
14	Methyl tert-Butyl Ether	73	3.747	3.747	(0.762)	631993	50.0000	51
15	1,1-Dichloroethane	63	4.130	4.130	(0.840)	360736	50.0000	50
16	cis-1,2-Dichloroethene	96	4.687	4.687	(0.953)	222091	50.0000	50
17	2-Butanone	43	4.699	4.699	(0.955)	86822	50.0000	52
* 18	Bromochloromethane	128	4.920	4.920	(1.000)	151316	50.0000	
20	Chloroform	83	4.989	4.989	(1.014)	412955	50.0000	49
21	1,1,1-Trichloroethane	97	5.187	5.187	(0.876)	363872	50.0000	49
22	Cyclohexane	56	5.245	5.245	(0.886)	225094	50.0000	49
23	Carbon Tetrachloride	117	5.349	5.349	(0.904)	351424	50.0000	50

Data File: \\Avogadro\Organics\organic\voa\V5.i\070816.B\V5H9621.D
Report Date: 20-Aug-2007 10:03

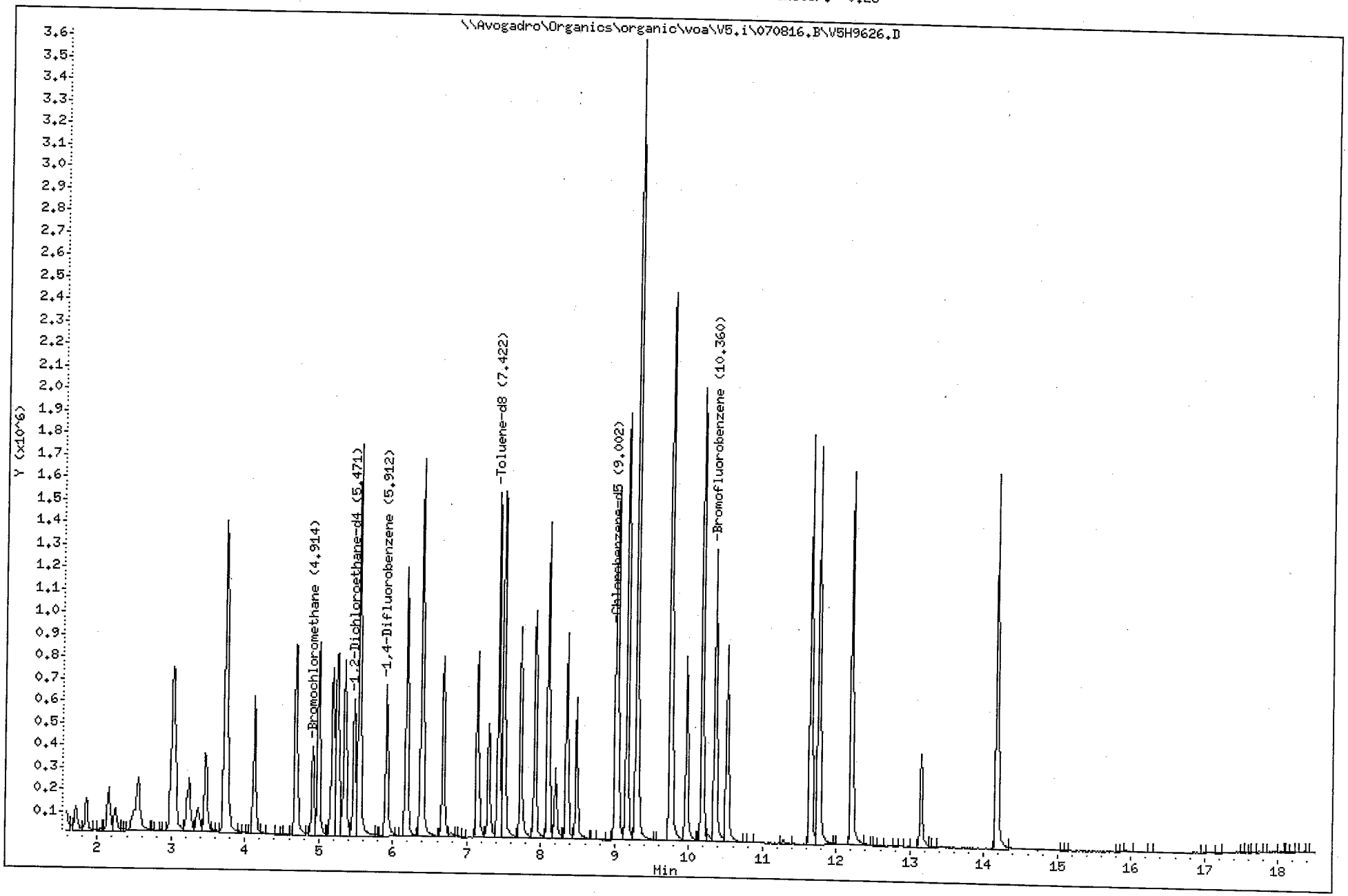
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	24 1,2-Dichloroethane-d4	65	5.477	5.477	(1.113)	282023	50.0000	51
	25 Benzene	78	5.535	5.535	(0.935)	717021	50.0000	52
	26 1,2-Dichloroethane	62	5.547	5.547	(1.127)	329507	50.0000	52
*	27 1,4-Difluorobenzene	114	5.918	5.918	(1.000)	682759	50.0000	
	28 Trichloroethene	130	6.186	6.186	(1.045)	245730	50.0000	50
	29 Methylcyclohexane	83	6.383	6.383	(1.078)	232703	50.0000	48
	30 1,2-Dichloropropane	63	6.395	6.395	(1.080)	174190	50.0000	51
	31 Bromodichloromethane	83	6.673	6.673	(1.128)	301107	50.0000	50
	33 cis-1,3-Dichloropropene	75	7.149	7.149	(1.208)	281009	50.0000	53
	34 4-Methyl-2-Pentanone	43	7.300	7.300	(0.810)	195175	50.0000	55
$	35 Toluene-d8	98	7.428	7.428	(0.825)	670393	50.0000	52
	36 Toluene	91	7.498	7.498	(0.832)	765141	50.0000	51
	37 trans-1,3-Dichloropropene	75	7.730	7.730	(1.306)	287869	50.0000	52
	38 1,1,2-Trichloroethane	97	7.916	7.916	(1.337)	197780	50.0000	51
	39 Tetrachloroethene	164	8.102	8.102	(0.899)	199874	50.0000	49
	40 2-Hexanone	43	8.206	8.206	(0.911)	115389	50.0000	49
	41 Dibromochloromethane	129	8.357	8.357	(1.412)	292772	50.0000	50
	42 1,2-Dibromoethane	107	8.485	8.485	(0.942)	256692	50.0000	50
*	43 Chlorobenzene-d5	117	9.008	9.008	(1.000)	579192	50.0000	
	44 Chlorobenzene	112	9.031	9.031	(1.003)	542319	50.0000	51
	45 Ethylbenzene	106	9.158	9.158	(1.017)	273984	50.0000	52
	46 m,p-Xylene	106	9.298	9.298	(1.032)	652728	100.000	100
	47 o-Xylene	106	9.751	9.751	(1.083)	322029	50.0000	52
	48 Styrene	104	9.762	9.762	(1.084)	350975	50.0000	51
	49 Bromoform	173	9.971	9.971	(1.685)	252794	50.0000	52
	50 Isopropylbenzene	105	10.180	10.180	(1.130)	895281	50.0000	53
$	51 Bromofluorobenzene	95	10.355	10.355	(1.150)	278182	50.0000	52
	52 1,1,2,2-Tetrachloroethane	83	10.517	10.517	(1.168)	310629	50.0000	51
M	53 Xylene (Total)	106				974757	50.0000	160
	54 1,3-Dichlorobenzene	146	11.655	11.655	(1.294)	476544	50.0000	51
	55 1,4-Dichlorobenzene	146	11.760	11.760	(1.306)	541403	50.0000	53
	56 1,2-Dichlorobenzene	146	12.201	12.201	(1.355)	482285	50.0000	53
	57 1,2-Dibromo-3-chloropropane	75	13.153	13.153	(1.460)	68180	50.0000	54
	58 1,2,4-Trichlorobenzene	180	14.175	14.175	(1.574)	356281	50.0000	51

SB 8/20/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\070816.B\V5H9626.D
Date : 16-AUG-2007 19:57
Client ID: VSTD100H5
Sample Info: 5ML,VSTD100H5,VSTD100H5
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\070816.B\V5H9626.D
Report Date: 20-Aug-2007 10:03

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070816.B\V5H9626.D
Lab Smp Id: VSTD100H5 Client Smp ID: VSTD100H5
Inj Date : 16-AUG-2007 19:57
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5ML,VSTD100H5,VSTD100H5
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070816.B\v5clp4.m
Meth Date : 20-Aug-2007 10:00 sbotvin Quant Type: ISTD
Cal Date : 16-AUG-2007 17:43 Cal File: V5H9621.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/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	1.580	1.575	(0.322)	137224	100.000	110
2	Chloromethane	50	1.708	1.715	(0.348)	135907	100.000	110
3	Vinyl Chloride	62	1.847	1.854	(0.376)	180582	100.000	100
4	Bromomethane	94	2.149	2.156	(0.438)	149904	100.000	97
5	Chloroethane	64	2.242	2.249	(0.456)	103399	100.000	98
6	Trichlorofluoromethane	101	2.556	2.551	(0.520)	517465	100.000	100
7	1,1-Dichloroethene	96	3.009	3.015	(0.612)	204217	100.000	98
9	Acetone	43	3.044	3.050	(0.619)	117087	100.000	95
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.032	3.038	(0.617)	269821	100.000	100
10	Carbon Disulfide	76	3.241	3.247	(0.660)	614965	100.000	100
11	Methyl Acetate	43	3.369	3.364	(0.686)	209137	100.000	96
12	Methylene Chloride	84	3.473	3.468	(0.707)	222315	100.000	97
13	trans-1,2-Dichloroethene	96	3.729	3.735	(0.759)	403911	100.000	93
14	Methyl tert-Butyl Ether	73	3.740	3.747	(0.761)	1285407	100.000	99
15	1,1-Dichloroethane	63	4.124	4.130	(0.839)	758725	100.000	100
16	cis-1,2-Dichloroethene	96	4.681	4.687	(0.953)	465479	100.000	100
17	2-Butanone	43	4.693	4.699	(0.955)	179928	100.000	100
* 18	Bromochloromethane	128	4.913	4.920	(1.000)	157064	50.0000	
20	Chloroform	83	4.995	4.989	(1.017)	854067	100.000	98
21	1,1,1-Trichloroethane	97	5.180	5.187	(0.876)	750660	100.000	98
22	Cyclohexane	56	5.250	5.245	(0.888)	495874	100.000	100
23	Carbon Tetrachloride	117	5.343	5.349	(0.904)	715636	100.000	99

Data File: \\Avogadro\Organics\organic\voa\V5.i\070816.B\V5H9626.D
Report Date: 20-Aug-2007 10:03

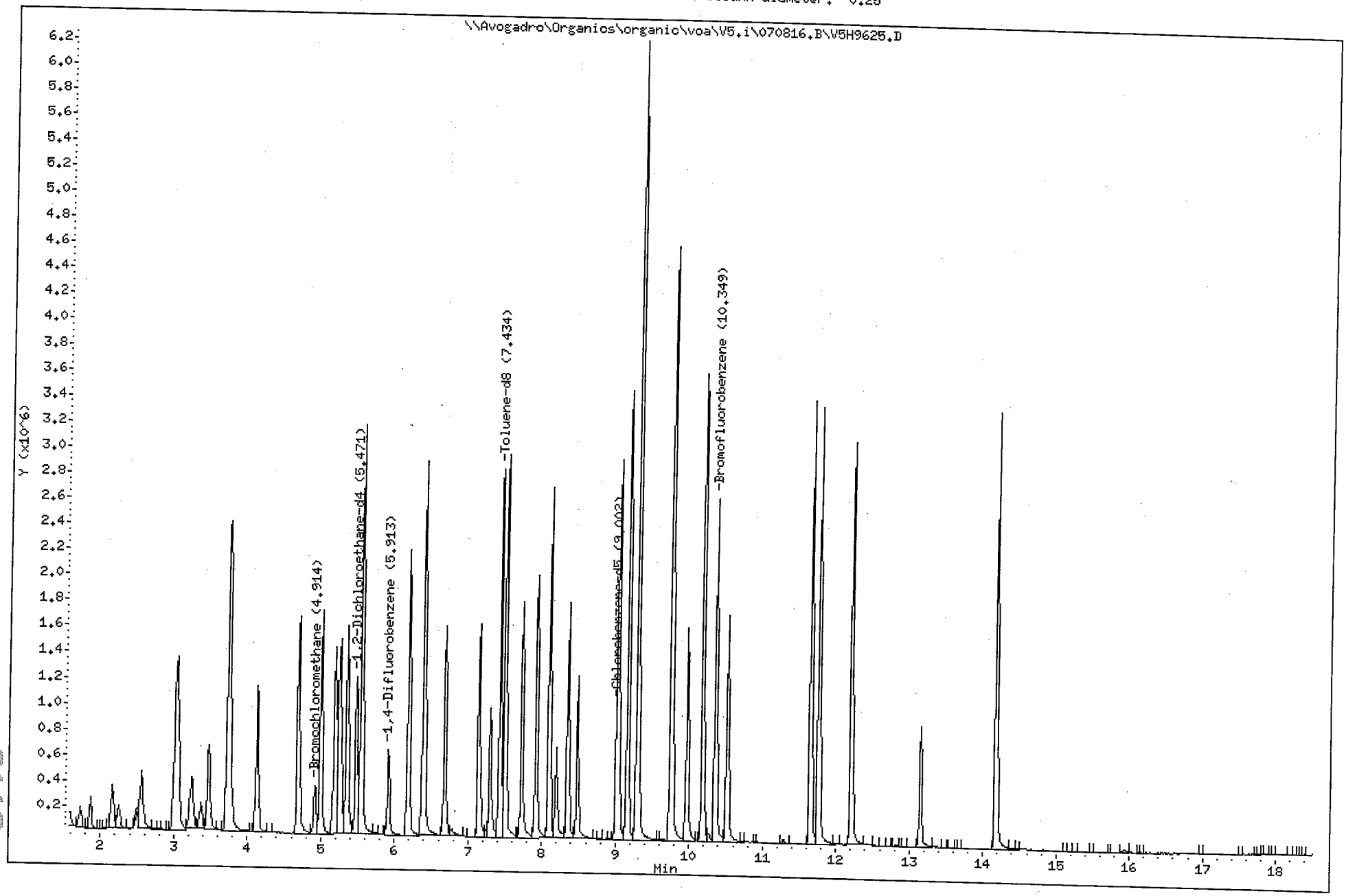
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
$	24 1,2-Dichloroethane-d4	65	5.471	5.477	(1.113)	576165	100.000	100
	25 Benzene	78	5.540	5.535	(0.937)	1370504	100.000	95
	26 1,2-Dichloroethane	62	5.540	5.547	(1.128)	664751	100.000	100
*	27 1,4-Difluorobenzene	114	5.912	5.918	(1.000)	711630	50.0000	
	28 Trichloroethene	130	6.179	6.186	(1.045)	521701	100.000	100
	29 Methylcyclohexane	83	6.388	6.383	(1.081)	525181	100.000	100
	30 1,2-Dichloropropane	63	6.400	6.395	(1.082)	342214	100.000	97
	31 Bromodichloromethane	83	6.678	6.673	(1.130)	613530	100.000	98
	33 cis-1,3-Dichloropropene	75	7.143	7.149	(1.208)	593053	100.000	110
	34 4-Methyl-2-Pentanone	43	7.294	7.300	(0.810)	421961	100.000	120
$	35 Toluene-d8	98	7.422	7.428	(0.825)	1316235	100.000	100
	36 Toluene	91	7.491	7.498	(0.832)	1487812	100.000	98
	37 trans-1,3-Dichloropropene	75	7.724	7.730	(1.306)	619428	100.000	110
	38 1,1,2-Trichloroethane	97	7.921	7.916	(1.340)	395611	100.000	99
	39 Tetrachloroethene	164	8.095	8.102	(0.899)	412766	100.000	100
	40 2-Hexanone	43	8.200	8.206	(0.911)	287696	100.000	120
	41 Dibromochloromethane	129	8.351	8.357	(1.412)	605126	100.000	99
	42 1,2-Dibromoethane	107	8.478	8.485	(0.942)	533155	100.000	100
*	43 Chlorobenzene-d5	117	9.001	9.008	(1.000)	587592	50.0000	
	44 Chlorobenzene	112	9.036	9.031	(1.004)	1070930	100.000	99
	45 Ethylbenzene	106	9.164	9.158	(1.018)	538482	100.000	100
	46 m,p-Xylene	106	9.291	9.298	(1.032)	1230811	200.000	190
	47 o-Xylene	106	9.744	9.751	(1.083)	640100	100.000	100
	48 Styrene	104	9.768	9.762	(1.085)	714598	100.000	100
	49 Bromoform	173	9.965	9.971	(1.685)	517111	100.000	100
	50 Isopropylbenzene	105	10.174	10.180	(1.130)	1776703	100.000	100
$	51 Bromofluorobenzene	95	10.348	10.355	(1.150)	577724	100.000	110
	52 1,1,2,2-Tetrachloroethane	83	10.511	10.517	(1.168)	601211	100.000	98
M	53 Xylene (Total)	106				1870911	100.000	290
	54 1,3-Dichlorobenzene	146	11.649	11.655	(1.294)	992615	100.000	110
	55 1,4-Dichlorobenzene	146	11.753	11.760	(1.306)	1079655	100.000	100
	56 1,2-Dichlorobenzene	146	12.206	12.201	(1.356)	959439	100.000	100
	57 1,2-Dibromo-3-chloropropane	75	13.147	13.153	(1.461)	133367	100.000	100
	58 1,2,4-Trichlorobenzene	180	14.169	14.175	(1.574)	750962	100.000	110

SB 8/20/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\070816.B\V5H9625.D
Date : 16-AUG-2007 19:30
Client ID: VSTD200H5
Sample Info: 5ML,VSTD200H5,VSTD200H5
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\070816.B\V5H9625.D
Report Date: 20-Aug-2007 10:03

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070816.B\V5H9625.D
Lab Smp Id: VSTD200H5 Client Smp ID: VSTD200H5
Inj Date : 16-AUG-2007 19:30
Operator : HZA SRC: HZA Inst ID: V5.i
Smp Info : 5ML,VSTD200H5,VSTD200H5
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070816.B\v5clp4.m
Meth Date : 20-Aug-2007 10:00 sbotvin Quant Type: ISTD
Cal Date : 16-AUG-2007 17:43 Cal File: V5H9621.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/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)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.580	1.575	(0.322)	257049	200.000	200
2	Chloromethane	50	1.731	1.715	(0.352)	238405	200.000	190
3	Vinyl Chloride	62	1.859	1.854	(0.378)	334281	200.000	190
4	Bromomethane	94	2.161	2.156	(0.440)	299934	200.000	200
5	Chloroethane	64	2.254	2.249	(0.459)	185665	200.000	180
6	Trichlorofluoromethane	101	2.556	2.551	(0.520)	955274	200.000	190
7	1,1-Dichloroethene	96	3.020	3.015	(0.615)	357204	200.000	170
9	Acetone	43	3.044	3.050	(0.620)	220867	200.000	180
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.032	3.038	(0.617)	486659	200.000	190
10	Carbon Disulfide	76	3.241	3.247	(0.660)	1165594	200.000	190
11	Methyl Acetate	43	3.369	3.364	(0.686)	418562	200.000	190
12	Methylene Chloride	84	3.473	3.468	(0.707)	429243	200.000	190
13	trans-1,2-Dichloroethene	96	3.729	3.735	(0.759)	745603	200.000	170
14	Methyl tert-Butyl Ether	73	3.752	3.747	(0.764)	2434051	200.000	190
15	1,1-Dichloroethane	63	4.124	4.130	(0.839)	1420514	200.000	190
16	cis-1,2-Dichloroethene	96	4.693	4.687	(0.955)	878958	200.000	190
17	2-Butanone	43	4.693	4.699	(0.955)	387621	200.000	220(A)
* 18	Bromochloromethane	128	4.913	4.920	(1.000)	155495	50.0000	
20	Chloroform	83	4.995	4.989	(1.017)	1646920	200.000	190
21	1,1,1-Trichloroethane	97	5.181	5.187	(0.876)	1451573	200.000	190
22	Cyclohexane	56	5.250	5.245	(0.888)	905554	200.000	190
23	Carbon Tetrachloride	117	5.355	5.349	(0.906)	1413850	200.000	200

Data File: \\Avogadro\Organics\organic\voa\V5.i\070816.B\V5H9625.D
Report Date: 20-Aug-2007 10:03

	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	5.471	5.477	(1.113)	1141338	200.000	200
	25 Benzene	78	5.541	5.535	(0.937)	2448217	200.000	170
	26 1,2-Dichloroethane	62	5.552	5.547	(1.130)	1288411	200.000	200
*	27 1,4-Difluorobenzene	114	5.912	5.918	(1.000)	707673	50.0000	
	28 Trichloroethene	130	6.179	6.186	(1.045)	965876	200.000	190
	29 Methylcyclohexane	83	6.388	6.383	(1.081)	923638	200.000	180
	30 1,2-Dichloropropane	63	6.400	6.395	(1.082)	592075	200.000	170
	31 Bromodichloromethane	83	6.679	6.673	(1.130)	1204336	200.000	190
	33 cis-1,3-Dichloropropene	75	7.143	7.149	(1.208)	1115033	200.000	200
	34 4-Methyl-2-Pentanone	43	7.294	7.300	(0.810)	844865	200.000	230(A)
$	35 Toluene-d8	98	7.433	7.428	(0.826)	2458963	200.000	190
	36 Toluene	91	7.503	7.498	(0.834)	2769891	200.000	180
	37 trans-1,3-Dichloropropene	75	7.724	7.730	(1.306)	1186868	200.000	210(A)
	38 1,1,2-Trichloroethane	97	7.921	7.916	(1.340)	766686	200.000	190
	39 Tetrachloroethene	164	8.095	8.102	(0.899)	783180	200.000	190
	40 2-Hexanone	43	8.188	8.206	(0.910)	620041	200.000	260(A)
	41 Dibromochloromethane	129	8.351	8.357	(1.412)	1199187	200.000	200
	42 1,2-Dibromoethane	107	8.479	8.485	(0.942)	1064700	200.000	200
*	43 Chlorobenzene-d5	117	9.001	9.008	(1.000)	588341	50.0000	
	44 Chlorobenzene	112	9.036	9.031	(1.004)	1980560	200.000	180
	45 Ethylbenzene	106	9.164	9.158	(1.018)	975854	200.000	180
	46 m,p-Xylene	106	9.292	9.298	(1.032)	2165709	400.000	340
	47 o-Xylene	106	9.744	9.751	(1.083)	1131979	200.000	180
	48 Styrene	104	9.768	9.762	(1.085)	1317456	200.000	190
	49 Bromoform	173	9.965	9.971	(1.685)	1017814	200.000	200
	50 Isopropylbenzene	105	10.174	10.180	(1.130)	3214275	200.000	190
$	51 Bromofluorobenzene	95	10.348	10.355	(1.150)	1115750	200.000	200
	52 1,1,2,2-Tetrachloroethane	83	10.511	10.517	(1.168)	1175881	200.000	190
M	53 Xylene (Total)	106				3297688	200.000	520
	54 1,3-Dichlorobenzene	146	11.649	11.655	(1.294)	1873077	200.000	200
	55 1,4-Dichlorobenzene	146	11.765	11.760	(1.307)	1966535	200.000	190
	56 1,2-Dichlorobenzene	146	12.206	12.201	(1.356)	1793318	200.000	190
	57 1,2-Dibromo-3-chloropropane	75	13.147	13.153	(1.461)	297774	200.000	230(A)
	58 1,2,4-Trichlorobenzene	180	14.169	14.175	(1.574)	1441254	200.000	210(A)

QC Flag Legend

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

SB 8/20/07

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Instrument ID: V2 Calibration Date: 08/20/07 Time: 0946

Lab File ID: V2J8891 Init. Calib. Date(s): 08/18/07 08/18/07

EPA Sample No.(VSTD050##): VSTD0502Z Init. Calib. Times: 1046 1310

Heated Purge: (Y/N) N

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

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.601	0.527		-12.3	
Chloromethane	1.589	1.773		11.6	
Vinyl Chloride	1.498	1.517	0.100	1.3	25.0
Bromomethane	1.093	1.255	0.100	14.8	25.0
Chloroethane	0.947	1.135		19.9	
Trichlorofluoromethane	1.996	2.054		2.9	
1,1-Dichloroethene	1.518	1.586	0.100	4.5	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.551	1.461		-5.8	
Acetone	0.855	0.878		2.7	
Carbon Disulfide	4.911	5.143		4.7	
Methyl Acetate	1.536	1.498		-2.5	
Methylene Chloride	1.865	2.016		8.1	
trans-1,2-Dichloroethene	1.943	2.090		7.6	
Methyl tert-Butyl Ether	3.701	3.381		-8.6	
1,1-Dichloroethane	3.861	4.108	0.200	6.4	25.0
cis-1,2-Dichloroethene	1.854	2.083		12.4	
2-Butanone	1.256	1.337		6.4	
Chloroform	3.485	3.742	0.200	7.4	25.0
1,1,1-Trichloroethane	0.537	0.585	0.100	8.9	25.0
Cyclohexane	0.571	0.560		-1.9	
Carbon Tetrachloride	0.469	0.509	0.100	8.5	25.0
Benzene	1.355	1.551	0.500	14.5	25.0
1,2-Dichloroethane	2.939	3.072	0.100	4.5	25.0
Trichloroethene	0.321	0.368	0.300	14.6	25.0
Methylcyclohexane	0.436	0.403		-7.6	

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.: MF1105

Instrument ID: V2 Calibration Date: 08/20/07 Time: 0946

Lab File ID: V2J8891 Init. Calib. Date(s): 08/18/07 08/18/07

EPA Sample No.(VSTD050##): VSTD0502Z Init. Calib. Times: 1046 1310

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	0.432	0.477		10.4	
Bromodichloromethane	0.502	0.557	0.200	11.0	25.0
cis-1,3-Dichloropropene	0.486	0.554	0.200	14.0	25.0
4-Methyl-2-Pentanone	0.487	0.516		6.0	
Toluene	1.516	1.669	0.400	10.1	25.0
trans-1,3-Dichloropropene	0.469	0.525	0.100	11.9	25.0
1,1,2-Trichloroethane	0.327	0.358	0.100	9.5	25.0
Tetrachloroethene	0.285	0.302	0.200	6.0	25.0
2-Hexanone	0.321	0.334		4.0	
Dibromochloromethane	0.362	0.408	0.100	12.7	25.0
1,2-Dibromoethane	0.396	0.410		3.5	
Chlorobenzene	1.068	1.116	0.500	4.5	25.0
Ethylbenzene	0.504	0.543	0.100	7.7	25.0
Xylene (Total)	0.623	0.675	0.300	8.3	25.0
Styrene	0.656	0.756	0.300	15.2	25.0
Bromoform	0.248	0.285	0.100	14.9	25.0
Isopropylbenzene	1.582	1.700		7.5	
1,1,2,2-Tetrachloroethane	0.537	0.549	0.300	2.2	25.0
1,3-Dichlorobenzene	0.684	0.739	0.600	8.0	25.0
1,4-Dichlorobenzene	0.728	0.762	0.500	4.7	25.0
1,2-Dichlorobenzene	0.636	0.676	0.400	6.3	25.0
1,2-Dibromo-3-chloropropane	0.066	0.069		4.5	
1,2,4-Trichlorobenzene	0.308	0.310	0.200	0.6	25.0
Toluene-d8	1.239	1.203		-2.9	
Bromofluorobenzene	0.541	0.530	0.200	-2.0	25.0
1,2-Dichloroethane-d4	2.409	2.419		0.4	

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.: MF1105

Instrument ID: V2 Calibration Date: 08/20/07 Time: 2204

Lab File ID: V2J8917 Init. Calib. Date(s): 08/18/07 08/18/07

EPA Sample No.(VSTD050##): VSTD0502A Init. Calib. Times: 1046 1310

Heated Purge: (Y/N) N

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

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.601	0.475		-21.0	
Chloromethane	1.589	1.777		11.8	
Vinyl Chloride	1.498	1.605	0.100	7.1	25.0
Bromomethane	1.093	1.301	0.100	19.0	25.0
Chloroethane	0.947	1.155		22.0	
Trichlorofluoromethane	1.996	2.096		5.0	
1,1-Dichloroethene	1.518	1.700	0.100	12.0	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.551	1.581		1.9	
Acetone	0.855	0.894		4.6	
Carbon Disulfide	4.911	5.554		13.1	
Methyl Acetate	1.536	1.608		4.7	
Methylene Chloride	1.865	2.115		13.4	
trans-1,2-Dichloroethene	1.943	2.088		7.5	
Methyl tert-Butyl Ether	3.701	3.561		-3.8	
1,1-Dichloroethane	3.861	4.128	0.200	6.9	25.0
cis-1,2-Dichloroethene	1.854	1.916		3.3	
2-Butanone	1.256	1.253		-0.2	
Chloroform	3.485	3.739	0.200	7.3	25.0
1,1,1-Trichloroethane	0.537	0.612	0.100	14.0	25.0
Cyclohexane	0.571	0.617		8.1	
Carbon Tetrachloride	0.469	0.536	0.100	14.3	25.0
Benzene	1.355	1.678	0.500	23.8	25.0
1,2-Dichloroethane	2.939	3.027	0.100	3.0	25.0
Trichloroethene	0.321	0.380	0.300	18.4	25.0
Methylcyclohexane	0.436	0.477		9.4	

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.: MF1105

Instrument ID: V2 Calibration Date: 08/20/07 Time: 2204

Lab File ID: V2J8917 Init. Calib. Date(s): 08/18/07 08/18/07

EPA Sample No.(VSTD050##): VSTD0502A Init. Calib. Times: 1046 1310

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	0.432	0.533		23.4	
Bromodichloromethane	0.502	0.585	0.200	16.5	25.0
cis-1,3-Dichloropropene	0.486	0.547	0.200	12.6	25.0
4-Methyl-2-Pentanone	0.487	0.540		10.9	
Toluene	1.516	1.835	0.400	21.0	25.0
trans-1,3-Dichloropropene	0.469	0.519	0.100	10.7	25.0
1,1,2-Trichloroethane	0.327	0.405	0.100	23.9	25.0
Tetrachloroethene	0.285	0.330	0.200	15.8	25.0
2-Hexanone	0.321	0.316		-1.6	
Dibromochloromethane	0.362	0.427	0.100	18.0	25.0
1,2-Dibromoethane	0.396	0.461		16.4	
Chlorobenzene	1.068	1.255	0.500	17.5	25.0
Ethylbenzene	0.504	0.599	0.100	18.8	25.0
Xylene (Total)	0.623	0.759	0.300	21.8	25.0
Styrene	0.656	0.783	0.300	19.4	25.0
Bromoform	0.248	0.296	0.100	19.4	25.0
Isopropylbenzene	1.582	1.922		21.5	
1,1,2,2-Tetrachloroethane	0.537	0.638	0.300	18.8	25.0
1,3-Dichlorobenzene	0.684	0.787	0.600	15.1	25.0
1,4-Dichlorobenzene	0.728	0.850	0.500	16.8	25.0
1,2-Dichlorobenzene	0.636	0.757	0.400	19.0	25.0
1,2-Dibromo-3-chloropropane	0.066	0.071		7.6	
1,2,4-Trichlorobenzene	0.308	0.320	0.200	3.9	25.0
Toluene-d8	1.239	1.249		0.8	
Bromofluorobenzene	0.541	0.540	0.200	-0.2	25.0
1,2-Dichloroethane-d4	2.409	2.150		-10.8	

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.: MF1105

Instrument ID: V5 Calibration Date: 08/17/07 Time: 2237

Lab File ID: V5H9688 Init. Calib. Date(s): 08/16/07 08/16/07

EPA Sample No.(VSTD050##): VSTD050K5 Init. Calib. Times: 1743 1957

Heated Purge: (Y/N) N

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

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.405	0.417		3.0	
Chloromethane	0.401	0.391		-2.5	
Vinyl Chloride	0.575	0.560	0.100	-2.6	25.0
Bromomethane	0.494	0.511	0.100	3.4	25.0
Chloroethane	0.336	0.351		4.5	
Trichlorofluoromethane	1.645	1.651		0.4	
1,1-Dichloroethene	0.666	0.660	0.100	-0.9	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.829	0.833		0.5	
Acetone	0.391	0.526		34.5	
Carbon Disulfide	1.943	1.959		0.8	
Methyl Acetate	0.692	0.649		-6.2	
Methylene Chloride	0.733	0.732		-0.1	
trans-1,2-Dichloroethene	1.380	1.435		4.0	
Methyl tert-Butyl Ether	4.120	3.877		-5.9	
1,1-Dichloroethane	2.403	2.329	0.200	-3.1	25.0
cis-1,2-Dichloroethene	1.456	1.418		-2.6	
2-Butanone	0.556	0.586		5.4	
Chloroform	2.766	2.727	0.200	-1.4	25.0
1,1,1-Trichloroethane	0.538	0.614	0.100	14.1	25.0
Cyclohexane	0.335	0.345		3.0	
Carbon Tetrachloride	0.510	0.583	0.100	14.3	25.0
Benzene	1.017	1.176	0.500	15.6	25.0
1,2-Dichloroethane	2.110	2.198	0.100	4.2	25.0
Trichloroethene	0.358	0.403	0.300	12.6	25.0
Methylcyclohexane	0.357	0.413		15.7	

All other compounds must meet a minimum RRF of 0.010.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Instrument ID: V5 Calibration Date: 08/17/07 Time: 2237

Lab File ID: V5H9688 Init. Calib. Date(s): 08/16/07 08/16/07

EPA Sample No.(VSTD050##): VSTD050K5 Init. Calib. Times: 1743 1957

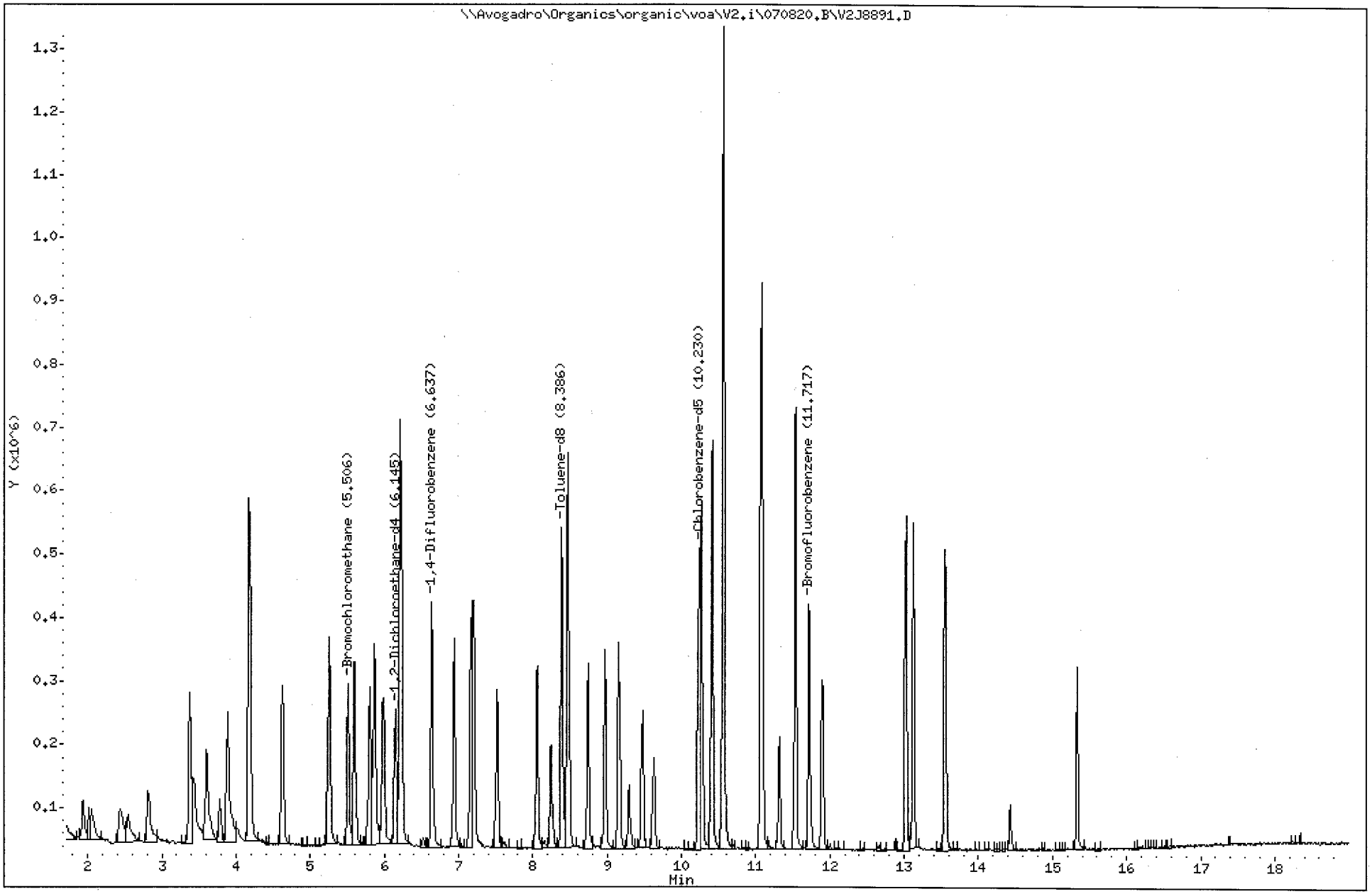
Heated Purge: (Y/N) N

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

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.248	0.300		21.0	
Bromodichloromethane	0.442	0.478	0.200	8.1	25.0
cis-1,3-Dichloropropene	0.390	0.418	0.200	7.2	25.0
4-Methyl-2-Pentanone	0.307	0.328		6.8	
Toluene	1.291	1.423	0.400	10.2	25.0
trans-1,3-Dichloropropene	0.409	0.429	0.100	4.9	25.0
1,1,2-Trichloroethane	0.282	0.336	0.100	19.1	25.0
Tetrachloroethene	0.352	0.404	0.200	14.8	25.0
2-Hexanone	0.201	0.213		6.0	
Dibromochloromethane	0.428	0.472	0.100	10.3	25.0
1,2-Dibromoethane	0.446	0.484		8.5	
Chlorobenzene	0.925	1.047	0.500	13.2	25.0
Ethylbenzene	0.455	0.513	0.100	12.7	25.0
Xylene (Total)	0.536	0.633	0.300	18.1	25.0
Styrene	0.594	0.677	0.300	14.0	25.0
Bromoform	0.358	0.363	0.100	1.4	25.0
Isopropylbenzene	1.461	1.659		13.6	
1,1,2,2-Tetrachloroethane	0.523	0.569	0.300	8.8	25.0
1,3-Dichlorobenzene	0.799	0.906	0.600	13.4	25.0
1,4-Dichlorobenzene	0.889	1.008	0.500	13.4	25.0
1,2-Dichlorobenzene	0.790	0.881	0.400	11.5	25.0
1,2-Dibromo-3-chloropropane	0.109	0.113		3.7	
1,2,4-Trichlorobenzene	0.597	0.652	0.200	9.2	25.0
Toluene-d8	1.111	1.189		7.0	
Bromofluorobenzene	0.466	0.500	0.200	7.3	25.0
1,2-Dichloroethane-d4	1.816	1.721		-5.2	

All other compounds must meet a minimum RRF of 0.010.

Data File: \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8891.D
Date : 20-AUG-2007 09:46
Client ID: VSTD0502Z
Instrument: V2.i
Sample Info: 5ML,VSTD0502Z,VSTD0502Z
Purge Volume: 5.0
Operator: HZ SRC: HZ
Column phase: DB-624
Column diameter: 0.25



6179

Data File: \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8891.D
Report Date: 29-Aug-2007 16:49

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8891.D
Lab Smp Id: VSTD0502Z Client Smp ID: VSTD0502Z
Inj Date : 20-AUG-2007 09:46
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 5ML,VSTD0502Z,VSTD0502Z
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070820.B\v2clp4S.m
Meth Date : 29-Aug-2007 16:49 V2.i Quant Type: ISTD
Cal Date : 20-AUG-2007 09:46 Cal File: V2J8891.D
Als bottle: 1 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

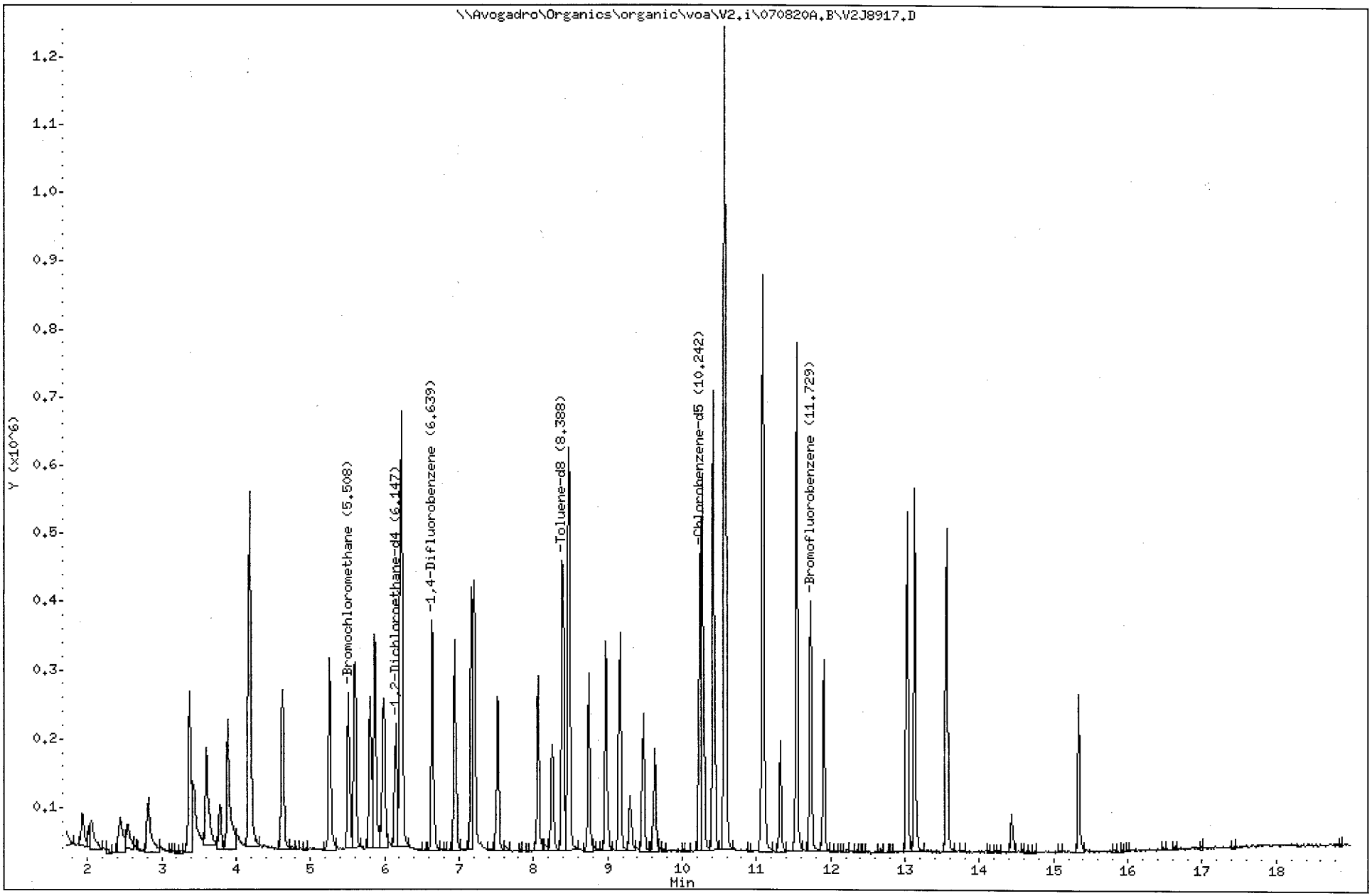
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.725	1.725	(0.313)	37083	50.0000	44
2	Chloromethane	50	1.934	1.934	(0.351)	124836	50.0000	56
3	Vinyl Chloride	62	2.049	2.049	(0.372)	106838	50.0000	51
4	Bromomethane	94	2.437	2.437	(0.442)	88364	50.0000	57
5	Chloroethane	64	2.541	2.541	(0.461)	79898	50.0000	60
6	Trichlorofluoromethane	101	2.814	2.814	(0.510)	144669	50.0000	51
7	1,1-Dichloroethene	96	3.369	3.369	(0.611)	111660	50.0000	52
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.379	3.379	(0.613)	102901	50.0000	47
9	Acetone	43	3.432	3.432	(0.622)	61847	50.0000	51
10	Carbon Disulfide	76	3.599	3.599	(0.653)	362158	50.0000	52
11	Methyl Acetate	43	3.788	3.788	(0.687)	105494	50.0000	49
12	Methylene Chloride	84	3.882	3.882	(0.704)	141970	50.0000	54
13	trans-1,2-Dichloroethene	96	4.175	4.175	(0.757)	147173	50.0000	54
14	Methyl tert-Butyl Ether	73	4.186	4.186	(0.759)	238071	50.0000	46
15	1,1-Dichloroethane	63	4.626	4.626	(0.839)	289276	50.0000	53
17	cis-1,2-Dichloroethene	96	5.254	5.254	(0.953)	146687	50.0000	56
16	2-Butanone	43	5.265	5.265	(0.954)	94118	50.0000	53
* 18	Bromochloromethane	128	5.516	5.516	(1.000)	70420	50.0000	
19	Chloroform	83	5.600	5.600	(1.015)	263537	50.0000	54
20	1,1,1-Trichloroethane	97	5.799	5.799	(0.874)	197924	50.0000	54
21	Cyclohexane	56	5.862	5.862	(0.883)	189565	50.0000	49
22	Carbon Tetrachloride	117	5.987	5.987	(0.902)	172000	50.0000	54

Data File: \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8891.D
Report Date: 29-Aug-2007 16:49

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	23 1,2-Dichloroethane-d4	65	6.144	6.144	(1.114)	170353	50.0000	50
	25 Benzene	78	6.218	6.218	(0.937)	524611	50.0000	57
	24 1,2-Dichloroethane	62	6.228	6.228	(1.129)	216308	50.0000	52
*	26 1,4-Difluorobenzene	114	6.637	6.637	(1.000)	338233	50.0000	
	27 Trichloroethene	130	6.940	6.940	(1.046)	124354	50.0000	57
	28 Methylcyclohexane	83	7.160	7.160	(1.079)	136152	50.0000	46
	29 1,2-Dichloropropane	63	7.202	7.202	(1.085)	161331	50.0000	55
	30 Bromodichloromethane	83	7.516	7.516	(1.133)	188461	50.0000	55
	31 cis-1,3-Dichloropropene	75	8.061	8.061	(1.215)	187272	50.0000	57
	32 4-Methyl-2-Pentanone	43	8.250	8.250	(0.806)	162921	50.0000	53
$	33 Toluene-d8	98	8.386	8.386	(0.820)	380072	50.0000	49
	34 Toluene	91	8.469	8.469	(0.828)	527366	50.0000	55
	35 trans-1,3-Dichloropropene	75	8.742	8.742	(1.317)	177645	50.0000	56
	36 1,1,2-Trichloroethane	97	8.972	8.972	(1.352)	120933	50.0000	55
	37 Tetrachloroethene	164	9.161	9.161	(0.896)	95352	50.0000	53
	38 2-Hexanone	43	9.297	9.297	(0.909)	105566	50.0000	52
	39 Dibromochloromethane	129	9.475	9.475	(1.428)	138137	50.0000	56
	40 1,2-Dibromoethane	107	9.622	9.622	(0.941)	129534	50.0000	52
*	42 Chlorobenzene-d5	117	10.229	10.229	(1.000)	315904	50.0000	
	43 Chlorobenzene	112	10.271	10.271	(1.004)	352566	50.0000	52
	44 Ethylbenzene	106	10.418	10.418	(1.018)	171571	50.0000	54
	45 m,p-Xylene	106	10.564	10.564	(1.033)	446632	100.000	110
	46 o-Xylene	106	11.067	11.067	(1.082)	213318	50.0000	54
	47 Styrene	104	11.088	11.088	(1.084)	238932	50.0000	58
	48 Bromoform	173	11.318	11.318	(1.705)	96471	50.0000	58
	49 Isopropylbenzene	105	11.538	11.538	(1.128)	536970	50.0000	54
$	50 Bromofluorobenzene	95	11.716	11.716	(1.145)	167538	50.0000	49
	51 1,1,2,2-Tetrachloroethane	83	11.894	11.894	(1.163)	173497	50.0000	51
	52 1,3-Dichlorobenzene	146	13.025	13.025	(1.273)	233367	50.0000	54
	53 1,4-Dichlorobenzene	146	13.130	13.130	(1.284)	240853	50.0000	52
	54 1,2-Dichlorobenzene	146	13.549	13.549	(1.325)	213500	50.0000	53
	55 1,2-Dibromo-3-chloropropane	75	14.429	14.429	(1.411)	21901	50.0000	53
	56 1,2,4-Trichlorobenzene	180	15.330	15.330	(1.499)	98049	50.0000	50

HZA 08/29/07

Data File: \\Avogadro\Organics\organic\voa\V2.i\070820A.B\V2J8917.D
Date : 20-AUG-2007 22:04
Client ID: VSTD0502A
Instrument: V2.i
Sample Info: 5ML,VSTD0502A,VSTD0502A
Purge Volume: 5.0
Operator: HZ SRC: HZ
Column phase: DB-624
Column diameter: 0.25



2215

Data File: V2J8917.D
Report Date: 29-Aug-2007 16:34

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070820A.B\V2J8917.D
Lab Smp Id: VSTD0502A Client Smp ID: VSTD0502A
Inj Date : 20-AUG-2007 22:04
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 5ML,VSTD0502A,VSTD0502A
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070820A.B\v2clp4S.m
Meth Date : 29-Aug-2007 16:16 V2.i Quant Type: ISTD
Cal Date : 20-AUG-2007 22:04 Cal File: V2J8917.D
Als bottle: 26 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

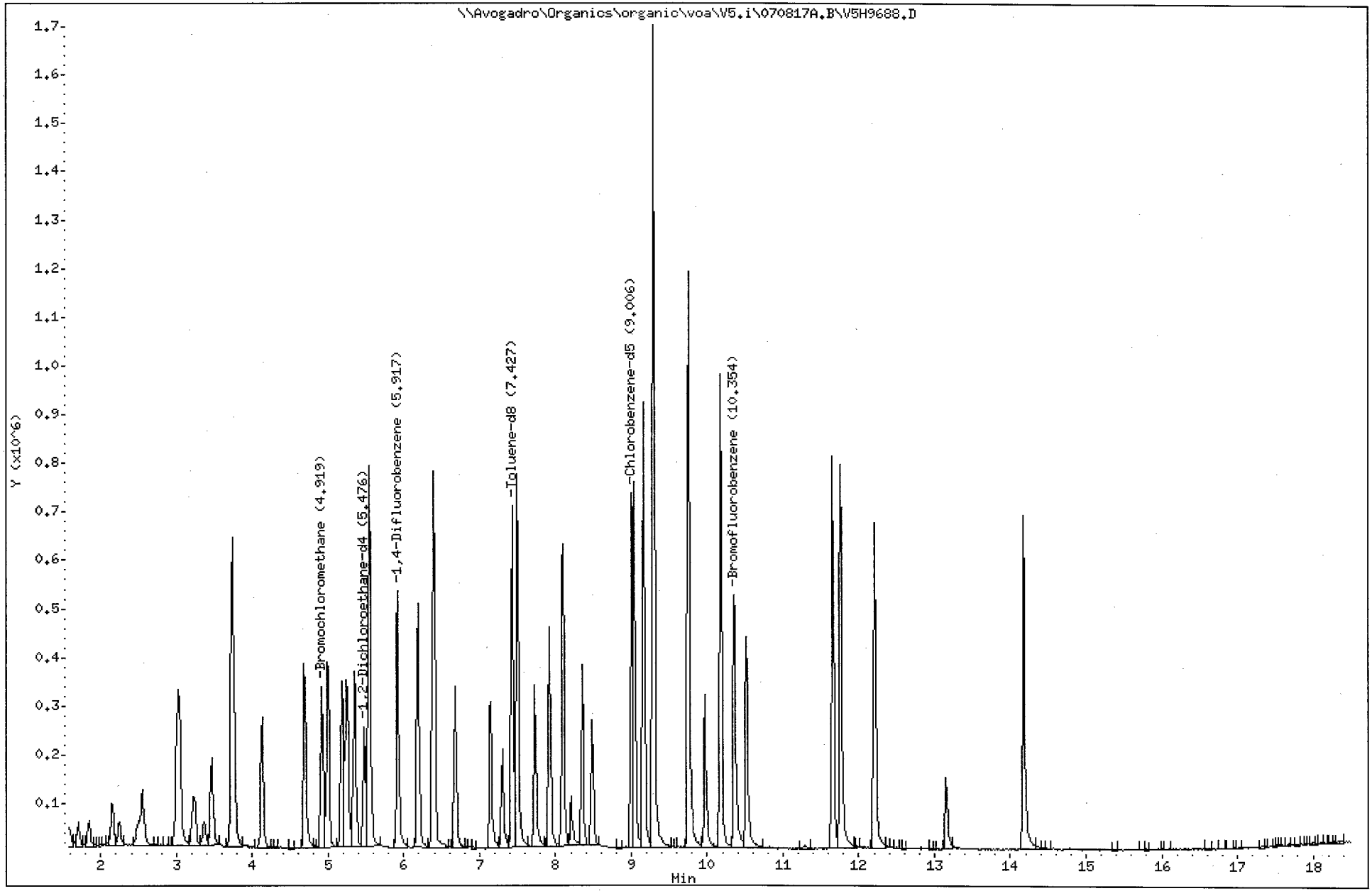
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.727	1.727	(0.313)	30971	50.0000	40
2	Chloromethane	50	1.926	1.926	(0.349)	115813	50.0000	56
3	Vinyl Chloride	62	2.051	2.051	(0.372)	104587	50.0000	54
4	Bromomethane	94	2.439	2.439	(0.442)	84812	50.0000	60
5	Chloroethane	64	2.544	2.544	(0.461)	75284	50.0000	61
6	Trichlorofluoromethane	101	2.816	2.816	(0.510)	136623	50.0000	53
7	1,1-Dichloroethene	96	3.371	3.371	(0.611)	110767	50.0000	56
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.381	3.381	(0.613)	103016	50.0000	51
9	Acetone	43	3.434	3.434	(0.622)	58284	50.0000	52
10	Carbon Disulfide	76	3.601	3.601	(0.653)	361933	50.0000	57
11	Methyl Acetate	43	3.779	3.779	(0.685)	104768	50.0000	52
12	Methylene Chloride	84	3.884	3.884	(0.704)	137856	50.0000	57
13	trans-1,2-Dichloroethene	96	4.177	4.177	(0.757)	136086	50.0000	54
14	Methyl tert-Butyl Ether	73	4.188	4.188	(0.759)	232063	50.0000	48
15	1,1-Dichloroethane	63	4.628	4.628	(0.839)	268992	50.0000	53
17	cis-1,2-Dichloroethene	96	5.256	5.256	(0.953)	124892	50.0000	52
16	2-Butanone	43	5.277	5.277	(0.956)	81655	50.0000	50
* 18	Bromochloromethane	128	5.518	5.518	(1.000)	65169	50.0000	
19	Chloroform	83	5.602	5.602	(1.015)	243676	50.0000	54
20	1,1,1-Trichloroethane	97	5.801	5.801	(0.874)	181147	50.0000	57
21	Cyclohexane	56	5.864	5.864	(0.883)	182438	50.0000	54
22	Carbon Tetrachloride	117	5.989	5.989	(0.902)	158540	50.0000	57

Data File: V2J8917.D
Report Date: 29-Aug-2007 16:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
$	23 1,2-Dichloroethane-d4	65	6.146	6.146	(1.114)	140113	50.0000	45
	25 Benzene	78	6.220	6.220	(0.937)	496389	50.0000	62
	24 1,2-Dichloroethane	62	6.230	6.230	(1.129)	197247	50.0000	51
*	26 1,4-Difluorobenzene	114	6.639	6.639	(1.000)	295795	50.0000	
	27 Trichloroethene	130	6.942	6.942	(1.046)	112516	50.0000	59
	28 Methylcyclohexane	83	7.173	7.173	(1.080)	141022	50.0000	55
	29 1,2-Dichloropropane	63	7.204	7.204	(1.085)	157723	50.0000	62
	30 Bromodichloromethane	83	7.519	7.519	(1.133)	173147	50.0000	58
	31 cis-1,3-Dichloropropene	75	8.063	8.063	(1.215)	161694	50.0000	56
	32 4-Methyl-2-Pentanone	43	8.252	8.252	(0.806)	148101	50.0000	55
$	33 Toluene-d8	98	8.388	8.388	(0.819)	342289	50.0000	50
	34 Toluene	91	8.472	8.472	(0.827)	502969	50.0000	61
	35 trans-1,3-Dichloropropene	75	8.744	8.744	(1.317)	153619	50.0000	55
	36 1,1,2-Trichloroethane	97	8.974	8.974	(1.352)	119802	50.0000	62
	37 Tetrachloroethene	164	9.163	9.163	(0.895)	90577	50.0000	58
	38 2-Hexanone	43	9.299	9.299	(0.908)	86596	50.0000	49
	39 Dibromochloromethane	129	9.477	9.477	(1.428)	126413	50.0000	59
	40 1,2-Dibromoethane	107	9.634	9.634	(0.941)	126318	50.0000	58
*	42 Chlorobenzene-d5	117	10.242	10.242	(1.000)	274103	50.0000	
	43 Chlorobenzene	112	10.273	10.273	(1.003)	343963	50.0000	59
	44 Ethylbenzene	106	10.420	10.420	(1.017)	164170	50.0000	59
	45 m,p-Xylene	106	10.577	10.577	(1.033)	441785	100.000	120
	46 o-Xylene	106	11.079	11.079	(1.082)	207977	50.0000	61
	47 Styrene	104	11.100	11.100	(1.084)	214679	50.0000	60
	48 Bromoform	173	11.320	11.320	(1.705)	87695	50.0000	60
	49 Isopropylbenzene	105	11.540	11.540	(1.127)	526963	50.0000	61
$	50 Bromofluorobenzene	95	11.729	11.729	(1.145)	147913	50.0000	50
	51 1,1,2,2-Tetrachloroethane	83	11.907	11.907	(1.163)	174962	50.0000	59
	52 1,3-Dichlorobenzene	146	13.028	13.028	(1.272)	215781	50.0000	58
	53 1,4-Dichlorobenzene	146	13.132	13.132	(1.282)	233072	50.0000	58
	54 1,2-Dichlorobenzene	146	13.562	13.562	(1.324)	207476	50.0000	60
	55 1,2-Dibromo-3-chloropropane	75	14.441	14.441	(1.410)	19500	50.0000	54
	56 1,2,4-Trichlorobenzene	180	15.342	15.342	(1.498)	87845	50.0000	52

HZA 08/29/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9688.D
Date : 17-AUG-2007 22:37
Client ID: VSTD050K5
Instrument: V5.i
Sample Info: 25ML,VSTD050K5,VSTD050K5
Purge Volume: 5.0
Operator: HZA
Column phase: DB-624
Column diameter: 0.25



Data File: V5H9688.D
Report Date: 29-Aug-2007 16:19

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9688.D
Lab Smp Id: VSTD050K5 Client Smp ID: VSTD050K5
Inj Date : 17-AUG-2007 22:37
Operator : HZA Inst ID: V5.i
Smp Info : 25ML,VSTD050K5,VSTD050K5
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070817A.B\v5clp4.m
Meth Date : 27-Aug-2007 11:41 V5.i Quant Type: ISTD
Cal Date : 17-AUG-2007 22:37 Cal File: V5H9688.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	1.585	1.610	(0.322)	57524	50.0000	51
2	Chloromethane	50	1.701	1.726	(0.346)	53900	50.0000	49
3	Vinyl Chloride	62	1.841	1.865	(0.374)	77157	50.0000	49
4	Bromomethane	94	2.143	2.167	(0.436)	70507	50.0000	52
5	Chloroethane	64	2.247	2.271	(0.457)	48351	50.0000	52
6	Trichlorofluoromethane	101	2.549	2.573	(0.518)	227604	50.0000	50
7	1,1-Dichloroethene	96	3.014	3.026	(0.613)	90941	50.0000	49
9	Acetone	43	3.037	3.050	(0.618)	72563	50.0000	67
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.037	3.050	(0.618)	114926	50.0000	50
10	Carbon Disulfide	76	3.223	3.235	(0.655)	270101	50.0000	50
11	Methyl Acetate	43	3.362	3.375	(0.684)	89522	50.0000	47
12	Methylene Chloride	84	3.467	3.479	(0.705)	100999	50.0000	50
13	trans-1,2-Dichloroethene	96	3.734	3.735	(0.759)	197926	50.0000	52
14	Methyl tert-Butyl Ether	73	3.745	3.758	(0.762)	534570	50.0000	47
15	1,1-Dichloroethane	63	4.129	4.130	(0.839)	321141	50.0000	48
16	cis-1,2-Dichloroethene	96	4.686	4.699	(0.953)	195549	50.0000	49
17	2-Butanone	43	4.709	4.710	(0.958)	80869	50.0000	53
* 18	Bromochloromethane	128	4.918	4.919	(1.000)	137888	50.0000	
20	Chloroform	83	4.988	5.001	(1.014)	375991	50.0000	49
21	1,1,1-Trichloroethane	97	5.185	5.186	(0.876)	335633	50.0000	57
22	Cyclohexane	56	5.243	5.256	(0.886)	188615	50.0000	52
23	Carbon Tetrachloride	117	5.348	5.349	(0.904)	318375	50.0000	57

Data File: V5H9688.D
Report Date: 29-Aug-2007 16:19

	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	5.476	5.477	(1.113)	237262	50.0000	47
	25 Benzene	78	5.534	5.546	(0.935)	642430	50.0000	58
	26 1,2-Dichloroethane	62	5.545	5.546	(1.127)	303082	50.0000	52
*	27 1,4-Difluorobenzene	114	5.917	5.918	(1.000)	546435	50.0000	
	28 Trichloroethene	130	6.184	6.185	(1.045)	220028	50.0000	56
	29 Methylcyclohexane	83	6.381	6.383	(1.078)	225674	50.0000	58
	30 1,2-Dichloropropane	63	6.393	6.394	(1.080)	163826	50.0000	60
	31 Bromodichloromethane	83	6.672	6.673	(1.128)	260988	50.0000	54
	33 cis-1,3-Dichloropropene	75	7.148	7.137	(1.208)	228487	50.0000	54
	34 4-Methyl-2-Pentanone	43	7.299	7.300	(0.810)	158351	50.0000	53
$	35 Toluene-d8	98	7.427	7.428	(0.825)	573203	50.0000	53
	36 Toluene	91	7.496	7.497	(0.832)	686107	50.0000	55
	37 trans-1,3-Dichloropropene	75	7.729	7.730	(1.306)	234608	50.0000	53
	38 1,1,2-Trichloroethane	97	7.914	7.915	(1.338)	183734	50.0000	60
	39 Tetrachloroethene	164	8.100	8.101	(0.899)	195044	50.0000	57
	40 2-Hexanone	43	8.205	8.206	(0.911)	102570	50.0000	53
	41 Dibromochloromethane	129	8.356	8.357	(1.412)	257872	50.0000	55
	42 1,2-Dibromoethane	107	8.483	8.484	(0.942)	233338	50.0000	54
*	43 Chlorobenzene-d5	117	9.006	9.007	(1.000)	482229	50.0000	
	44 Chlorobenzene	112	9.029	9.030	(1.003)	504773	50.0000	57
	45 Ethylbenzene	106	9.157	9.158	(1.017)	247395	50.0000	56
	46 m,p-Xylene	106	9.296	9.297	(1.032)	607266	100.000	120
	47 o-Xylene	106	9.749	9.750	(1.083)	305116	50.0000	59
	48 Styrene	104	9.761	9.762	(1.084)	326401	50.0000	57
	49 Bromoform	173	9.970	9.971	(1.685)	198330	50.0000	51
	50 Isopropylbenzene	105	10.179	10.180	(1.130)	799835	50.0000	57
$	51 Bromofluorobenzene	95	10.353	10.354	(1.150)	240992	50.0000	54
	52 1,1,2,2-Tetrachloroethane	83	10.516	10.517	(1.168)	274487	50.0000	54
M	53 Xylene (Total)	106				912382	50.0000	170
	54 1,3-Dichlorobenzene	146	11.654	11.655	(1.294)	436718	50.0000	57
	55 1,4-Dichlorobenzene	146	11.758	11.759	(1.306)	485974	50.0000	57
	56 1,2-Dichlorobenzene	146	12.211	12.201	(1.356)	425021	50.0000	56
	57 1,2-Dibromo-3-chloropropane	75	13.152	13.153	(1.460)	54267	50.0000	52
	58 1,2,4-Trichlorobenzene	180	14.174	14.175	(1.574)	314306	50.0000	55

HZA 08/29/07

Data File: \\Avogadro\Organics\organic\voa\V5.i\070816.B\V5H9620.D

Date : 16-AUG-2007 16:23

Client ID: BFBH5

Instrument: v5.i

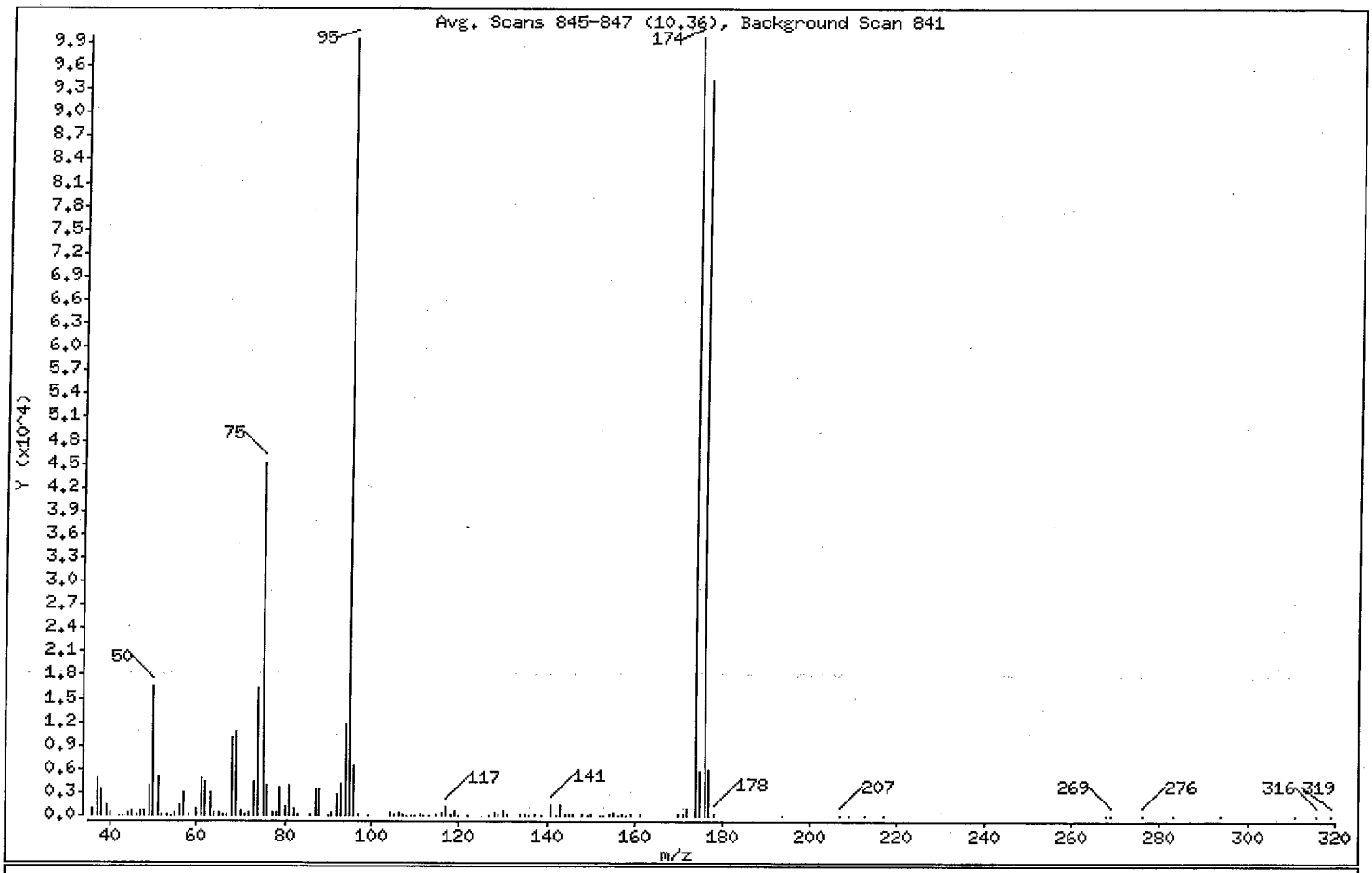
Sample Info: 2UL,BFBH5,BFBH5

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	16.65
75	30.00 - 66.00% of mass 95	45.47
96	5.00 - 9.00% of mass 95	6.49
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	100.31
175	4.00 - 9.00% of mass 174	5.70 (5.68)
176	93.00 - 101.00% of mass 174	94.72 (94.42)
177	5.00 - 9.00% of mass 176	6.05 (6.39)

Data File: \\Avogadro\Organics\organic\voa\V5.i\070816.B\V5H9620.D

Date : 16-AUG-2007 16:23

Client ID: BFBH5 Instrument: v5.i

Sample Info: 2UL,BFBH5,BFBH5

Operator: HZA SRC: HZA

Column phase: DB-624 Column diameter: 0.25

Data File: V5H9620.D

Spectrum: Avg. Scans 845-847 (10.36), Background Scan 841

Location of Maximum: 174.00

Number of points: 124

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1013	70.00	623	110.00	44	154.00	124
37.00	4717	71.00	136	111.00	132	155.00	345
38.00	3551	72.00	367	112.00	47	156.00	45
39.00	1350	73.00	4263	113.00	81	157.00	285
40.00	460	74.00	16287	115.00	168	158.00	39
42.00	109	75.00	45184	116.00	408	159.00	220
43.00	48	76.00	3976	117.00	1116	161.00	169
44.00	455	77.00	500	118.00	288	170.00	164
45.00	614	78.00	534	119.00	611	171.00	226
46.00	126	79.00	3708	120.00	38	172.00	1018
47.00	587	80.00	1254	122.00	43	174.00	99688
48.00	639	81.00	3892	127.00	52	175.00	5660
49.00	3987	82.00	899	128.00	521	176.00	94128
50.00	16544	83.00	190	129.00	258	177.00	6014
51.00	4973	86.00	131	130.00	580	178.00	238
52.00	210	87.00	3540	131.00	157	194.00	34
53.00	166	88.00	3380	134.00	125	207.00	106
54.00	40	90.00	34	135.00	236	209.00	65
55.00	397	91.00	438	136.00	70	213.00	33
56.00	1473	92.00	2774	137.00	152	217.00	35
57.00	2867	93.00	4028	139.00	54	268.00	36
58.00	130	94.00	11697	141.00	1359	269.00	86
60.00	911	95.00	99376	142.00	81	276.00	53
61.00	4817	96.00	6448	143.00	1310	283.00	39
62.00	4353	97.00	167	144.00	122	294.00	41
63.00	3028	99.00	44	145.00	160	311.00	36
64.00	416	104.00	473	146.00	217	316.00	54
65.00	360	105.00	303	148.00	319	319.00	39
66.00	142	106.00	444	149.00	42		
67.00	265	107.00	176	150.00	195		
68.00	10009	108.00	45	152.00	50		
69.00	10688	109.00	41	153.00	80		

Data File: \\Avogadro\Organics\organic\voa\V5.i\070816.B\V5H9620.D

Date : 16-AUG-2007 16:23

Client ID: BFBH5

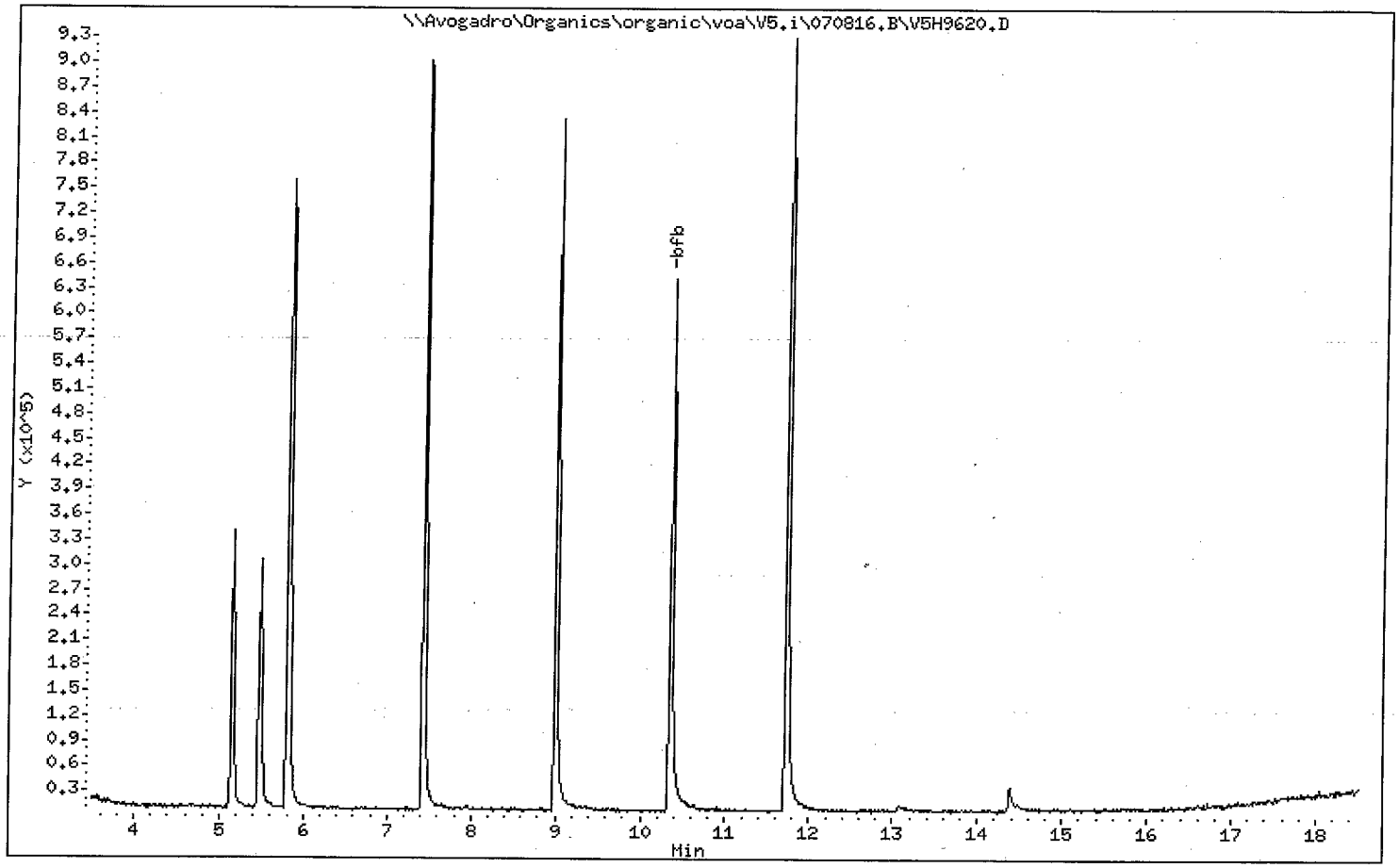
Instrument: v5.i

Sample Info: 2UL,BFBH5,BFBH5

Operator: HZA SRC: HZA

Column phase: DB-624

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9687.D

Date : 17-AUG-2007 22:11

Client ID: BFBK5

Instrument: v5.i

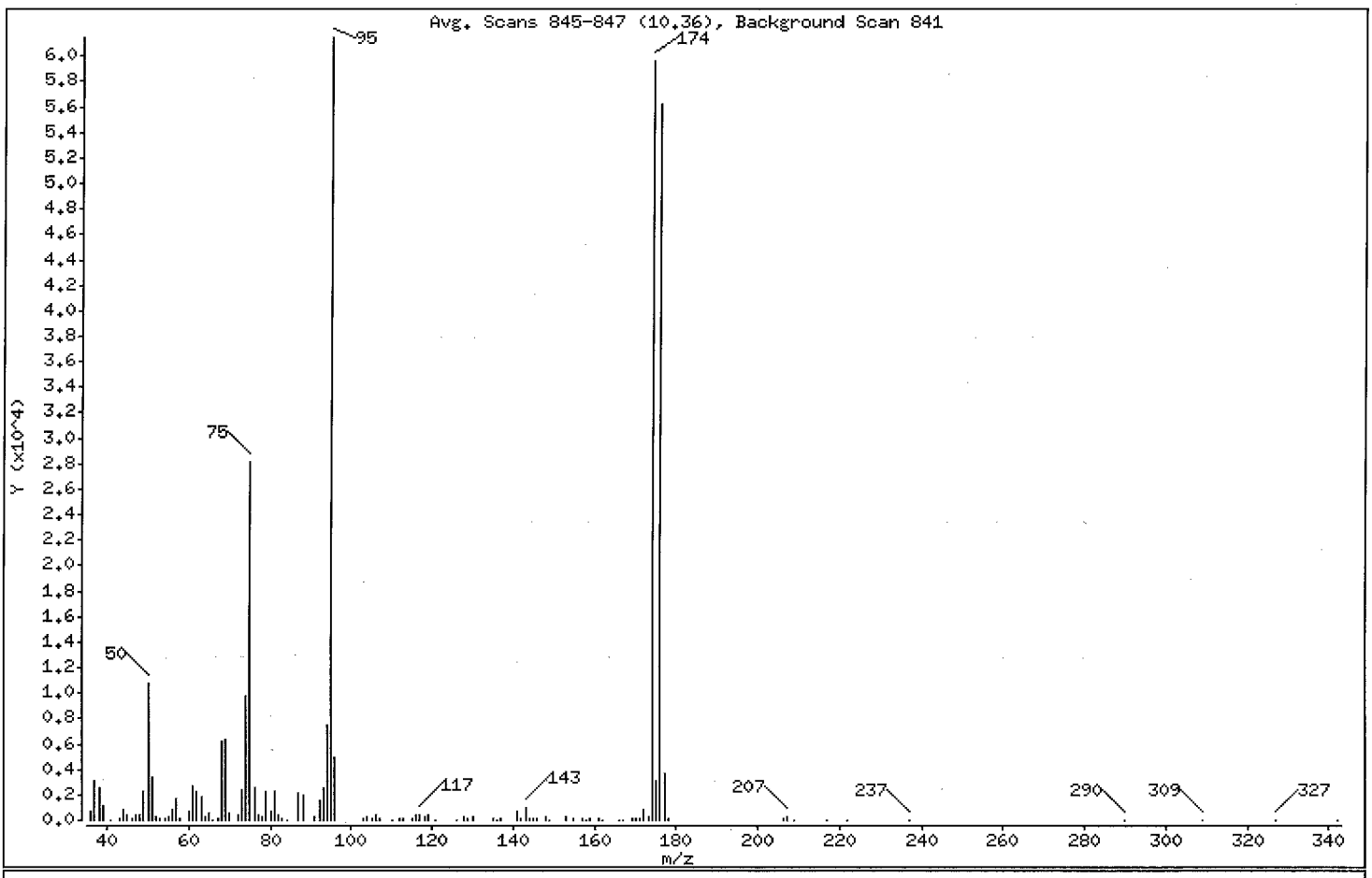
Sample Info: 2UL,BFBK5,BFBK5

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	17.38
75	30.00 - 66.00% of mass 95	45.68
96	5.00 - 9.00% of mass 95	8.02
173	Less than 2.00% of mass 174	0.36 (0.37)
174	50.00 - 120.00% of mass 95	97.06
175	4.00 - 9.00% of mass 174	5.06 (5.22)
176	93.00 - 101.00% of mass 174	91.42 (94.19)
177	5.00 - 9.00% of mass 176	5.97 (6.53)

Date : 17-AUG-2007 22:11

Client ID: BFBK5 Instrument: v5.i

Sample Info: 2UL,BFBK5,BFBK5

Operator: HZA

Column phase: DB-624 Column diameter: 0.25

Data File: V5H9687.D

Spectrum: Avg. Scans 845-847 (10.36), Background Scan 841

Location of Maximum: 95.00

Number of points: 111

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	664	67.00	177	106.00	444	157.00	102
37.00	3118	68.00	6228	107.00	104	158.00	43
38.00	2533	69.00	6333	110.00	33	159.00	89
39.00	1104	70.00	500	112.00	80	161.00	84
41.00	57	72.00	407	113.00	136	162.00	38
43.00	164	73.00	2397	115.00	106	166.00	34
44.00	781	74.00	9685	116.00	399	167.00	43
45.00	354	75.00	28072	117.00	479	169.00	71
46.00	91	76.00	2528	118.00	292	170.00	117
47.00	411	77.00	364	119.00	461	171.00	93
48.00	465	78.00	266	121.00	35	172.00	851
49.00	2287	79.00	2289	126.00	70	173.00	219
50.00	10678	80.00	649	128.00	280	174.00	59648
51.00	3364	81.00	2301	129.00	141	175.00	3112
52.00	266	82.00	455	130.00	313	176.00	56184
53.00	120	83.00	93	135.00	91	177.00	3670
54.00	112	84.00	49	136.00	39	178.00	125
55.00	214	87.00	2069	137.00	188	206.00	71
56.00	872	88.00	2007	141.00	706	207.00	263
57.00	1629	91.00	326	142.00	123	209.00	39
58.00	201	92.00	1597	143.00	968	217.00	38
60.00	735	93.00	2492	144.00	76	222.00	34
61.00	2632	94.00	7426	145.00	173	237.00	41
62.00	2210	95.00	61456	146.00	169	290.00	54
63.00	1847	96.00	4926	148.00	243	309.00	38
64.00	288	103.00	203	149.00	59	327.00	37
65.00	579	104.00	271	153.00	228	342.00	34
66.00	10	105.00	193	155.00	171		

Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9687.D

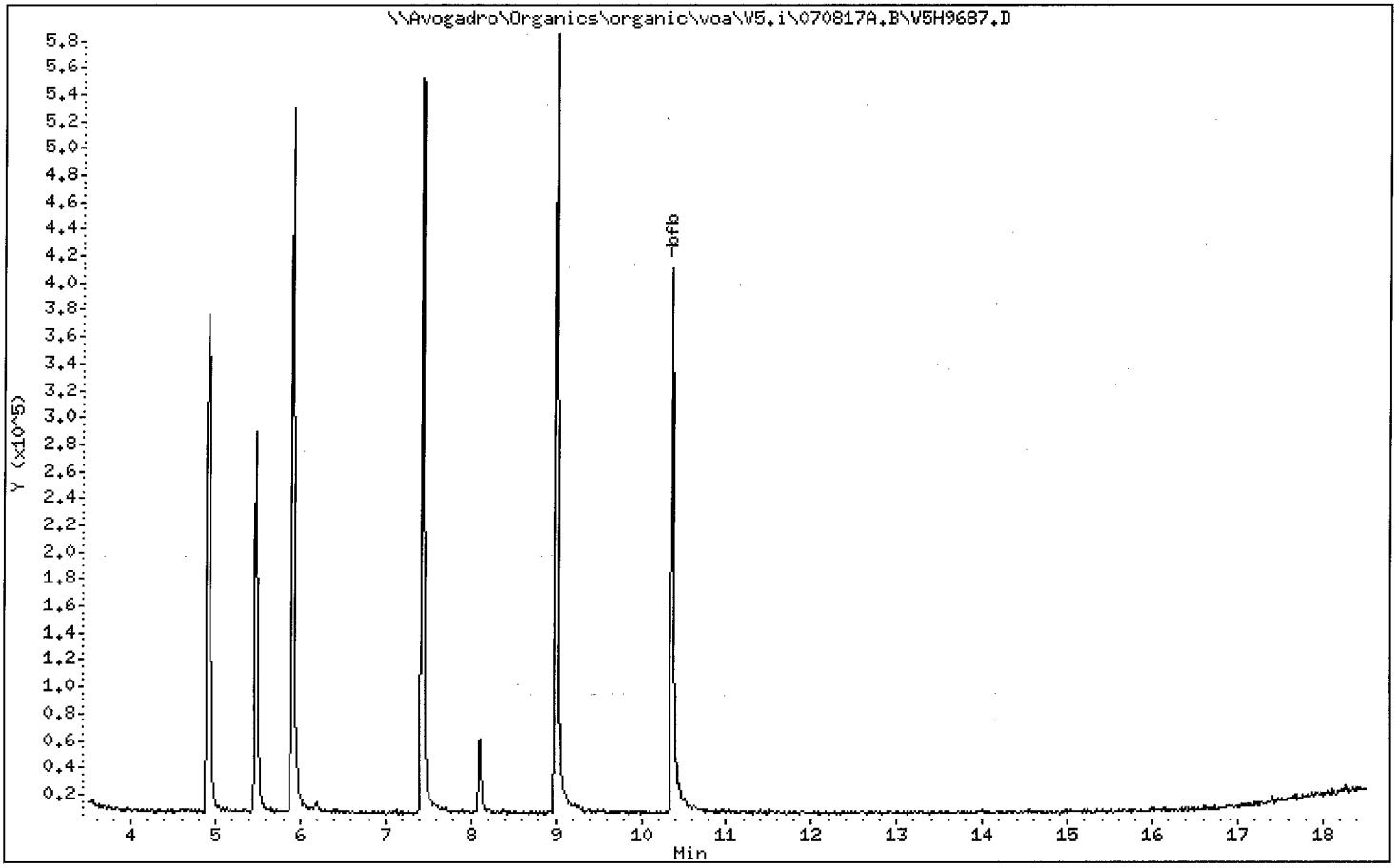
Date : 17-AUG-2007 22:11

Client ID: BFBK5 Instrument: v5.i

Sample Info: 2UL,BFBK5,BFBK5

Operator: HZA

Column phase: DB-624 Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\070818.B\V2J8850.D

Date : 18-AUG-2007 10:13

Client ID: BFB2X

Instrument: V2.i

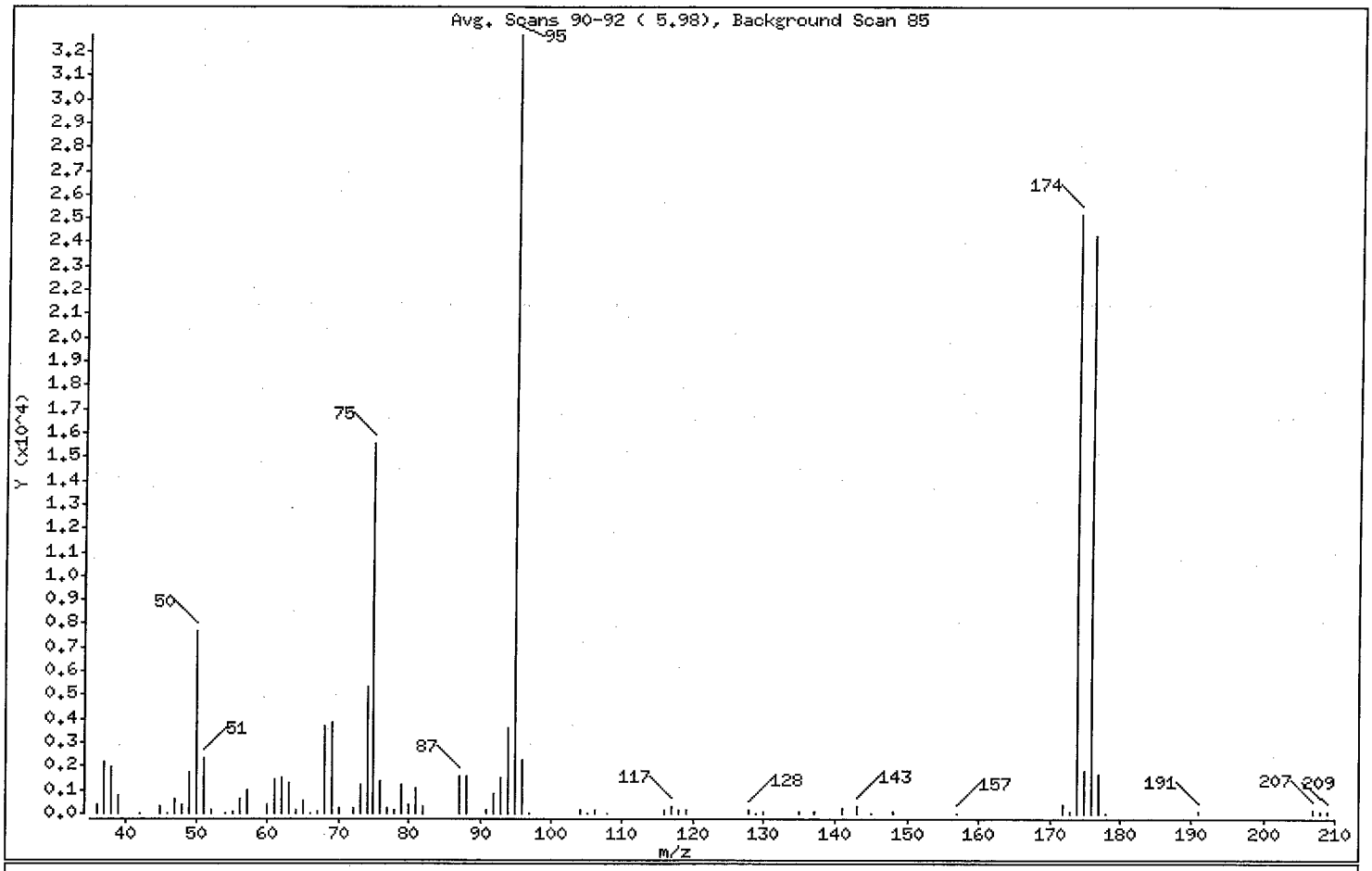
Sample Info: 2UL,BFB2X,BFB2X

Operator: HZ SRC: HZ

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	23.53
75	30.00 - 66.00% of mass 95	47.53
96	5.00 - 9.00% of mass 95	6.98
173	Less than 2.00% of mass 174	0.32 (0.41)
174	50.00 - 120.00% of mass 95	77.11
175	4.00 - 9.00% of mass 174	5.61 (7.27)
176	93.00 - 101.00% of mass 174	74.19 (96.22)
177	5.00 - 9.00% of mass 176	5.16 (6.96)

Data File: \\Avogadro\Organics\organic\voa\V2.i\070818.B\V2J8850.D

Date : 18-AUG-2007 10:13

Client ID: BFB2X

Instrument: V2.i

Sample Info: 2UL,BFB2X,BFB2X

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25

Data File: V2J8850.D
Spectrum: Avg. Scans 90-92 (5.98), Background Scan 85
Location of Maximum: 95.00
Number of points: 77

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	347	63.00	1284	88.00	1590	137.00	44
37.00	2150	64.00	120	91.00	139	141.00	243
38.00	1934	65.00	490	92.00	806	143.00	267
39.00	772	66.00	35	93.00	1470	145.00	36
42.00	19	67.00	107	94.00	3614	148.00	71
45.00	289	68.00	3650	95.00	32672	157.00	36
46.00	37	69.00	3844	96.00	2280	172.00	371
47.00	596	70.00	223	97.00	36	173.00	103
48.00	346	72.00	212	104.00	140	174.00	25192
49.00	1724	73.00	1170	105.00	36	175.00	1832
50.00	7688	74.00	5329	106.00	177	176.00	24240
51.00	2310	75.00	15530	108.00	33	177.00	1686
52.00	132	76.00	1332	116.00	124	178.00	37
54.00	36	77.00	237	117.00	277	191.00	43
55.00	43	78.00	175	118.00	162	207.00	132
56.00	574	79.00	1202	119.00	146	208.00	103
57.00	991	80.00	340	128.00	165	209.00	40
60.00	364	81.00	1056	129.00	36		
61.00	1435	82.00	323	130.00	99		
62.00	1493	87.00	1592	135.00	40		

Data File: \\Avogadro\Organics\organic\voa\V2.i\070818.B\V2J8850.D

Date : 18-AUG-2007 10:13

Client ID: BFB2X

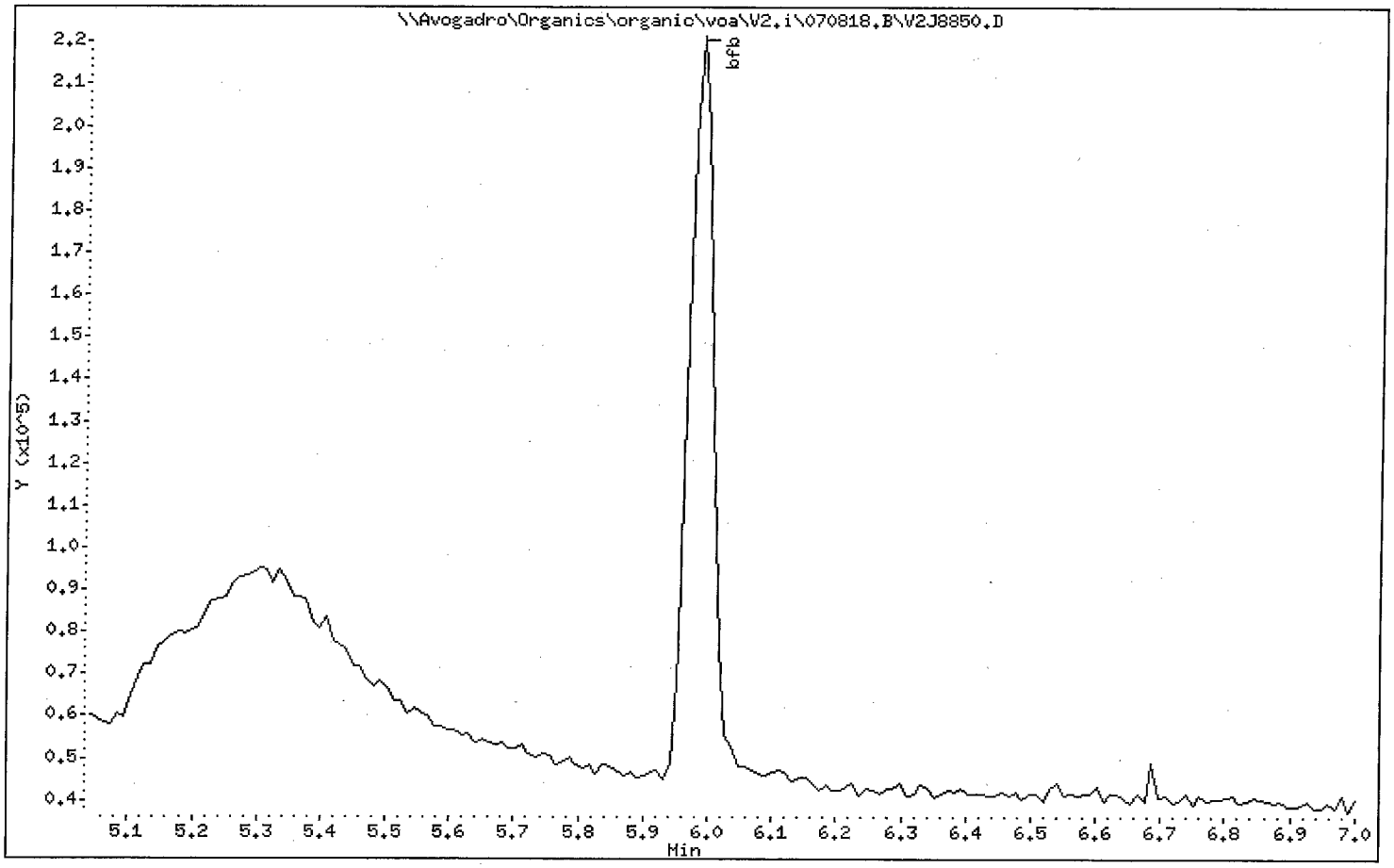
Instrument: V2.i

Sample Info: 2UL,BFB2X,BFB2X

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8890.D

Date : 20-AUG-2007 09:31

Client ID: BFB2Z

Instrument: V2.i

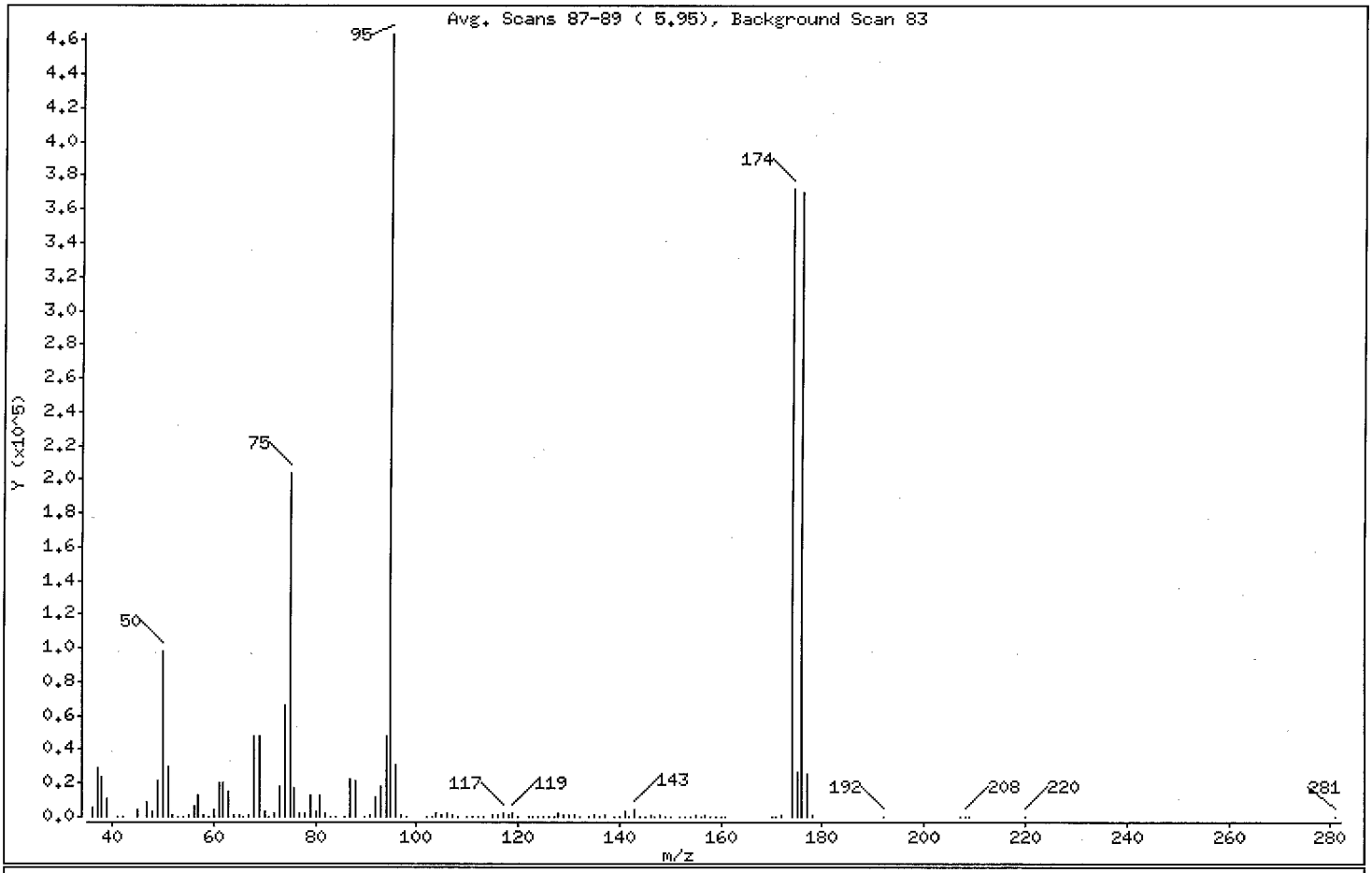
Sample Info: 2UL,BFB2Z,BFB2Z

Operator: HZ SRC: HZ

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	21.19
75	30.00 - 66.00% of mass 95	44.02
96	5.00 - 9.00% of mass 95	6.65
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	80.33
175	4.00 - 9.00% of mass 174	5.71 (7.10)
176	93.00 - 101.00% of mass 174	79.67 (99.18)
177	5.00 - 9.00% of mass 176	5.42 (6.80)

Date : 20-AUG-2007 09:31

Client ID: BFB2Z Instrument: V2.i

Sample Info: 2UL,BFB2Z,BFB2Z

Operator: HZ SRC: HZ

Column phase: DB-624 Column diameter: 0.25

Data File: V2J8890.D
Spectrum: Avg. Scans 87-89 (5.95), Background Scan 83
Location of Maximum: 95.00
Number of points: 125

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5309	72.00	2216	110.00	296	146.00	562
37.00	28952	73.00	17680	111.00	302	147.00	339
38.00	23968	74.00	66536	112.00	326	148.00	957
39.00	10307	75.00	204096	113.00	308	149.00	318
41.00	35	76.00	17176	115.00	586	150.00	406
42.00	30	77.00	2494	116.00	1403	152.00	203
45.00	4651	78.00	2159	117.00	2664	153.00	291
47.00	8289	79.00	13206	118.00	1431	154.00	298
48.00	3155	80.00	3441	119.00	2007	155.00	945
49.00	21616	81.00	12890	120.00	138	156.00	182
50.00	98232	82.00	2223	122.00	168	157.00	749
51.00	29976	83.00	268	123.00	82	158.00	63
52.00	1137	84.00	49	124.00	250	159.00	383
53.00	145	86.00	273	125.00	149	160.00	35
54.00	46	87.00	21856	126.00	190	161.00	333
55.00	1285	88.00	20968	127.00	143	170.00	37
56.00	6924	90.00	44	128.00	1611	171.00	94
57.00	12984	91.00	1431	129.00	719	172.00	1598
58.00	556	92.00	11274	130.00	1464	174.00	372416
59.00	70	93.00	17640	131.00	570	175.00	26456
60.00	4528	94.00	47720	132.00	71	176.00	369344
61.00	20736	95.00	463616	134.00	138	177.00	25128
62.00	19856	96.00	30840	135.00	715	178.00	646
63.00	15034	97.00	843	136.00	201	192.00	33
64.00	1462	98.00	37	137.00	626	207.00	217
65.00	1225	102.00	36	139.00	233	208.00	232
66.00	132	103.00	252	140.00	89	209.00	51
67.00	1351	104.00	1907	141.00	3280	220.00	51
68.00	48240	105.00	687	142.00	479	281.00	180
69.00	47464	106.00	1710	143.00	3808		
70.00	3412	107.00	537	144.00	240		
71.00	218	108.00	93	145.00	340		

Data File: \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8890.D

Date : 20-AUG-2007 09:31

Client ID: BFB2Z

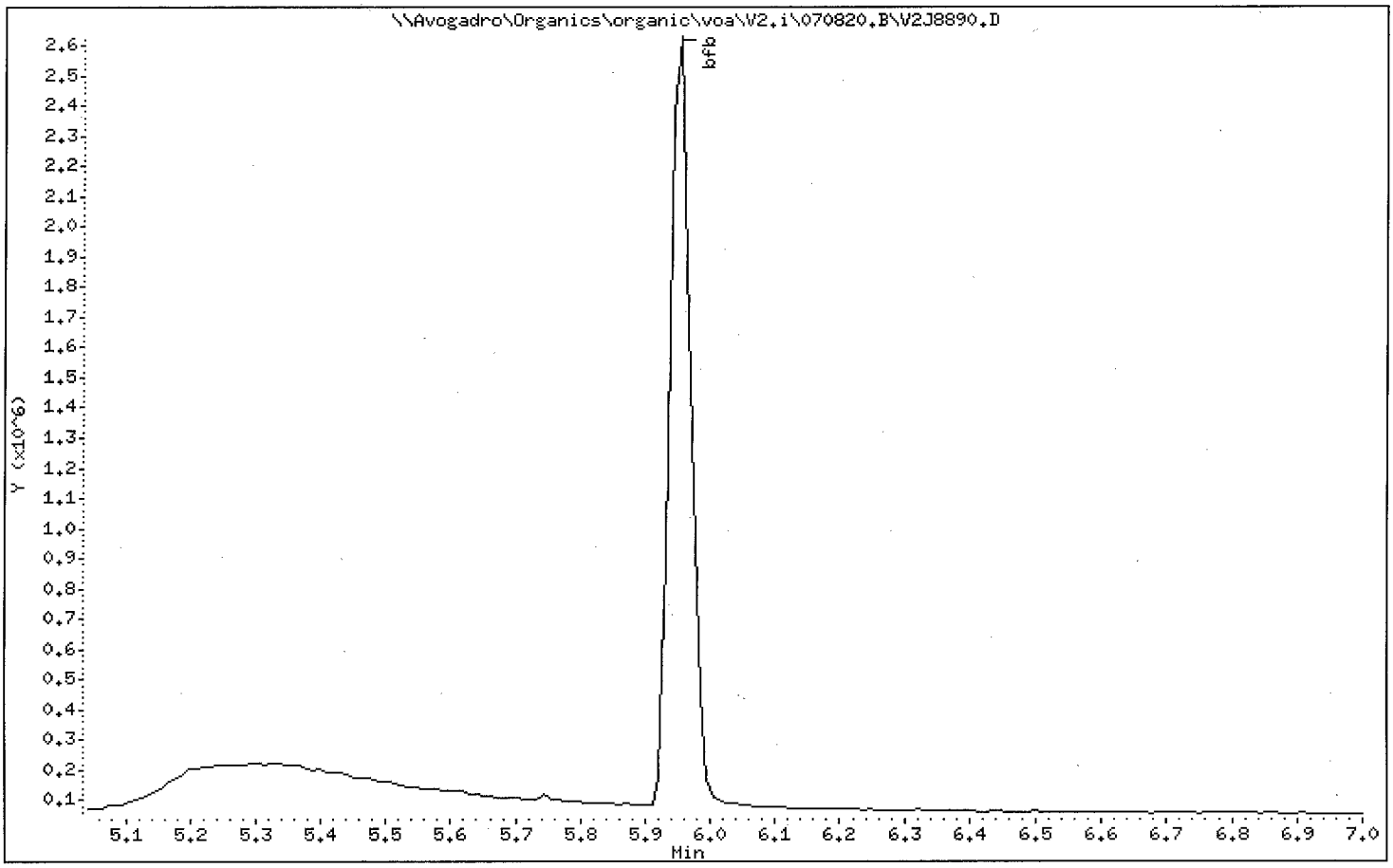
Instrument: V2.i

Sample Info: 2UL,BFB2Z,BFB2Z

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\070820A.B\V2J8916.D

Date : 20-AUG-2007 21:36

Client ID: BFB2A

Instrument: V2.i

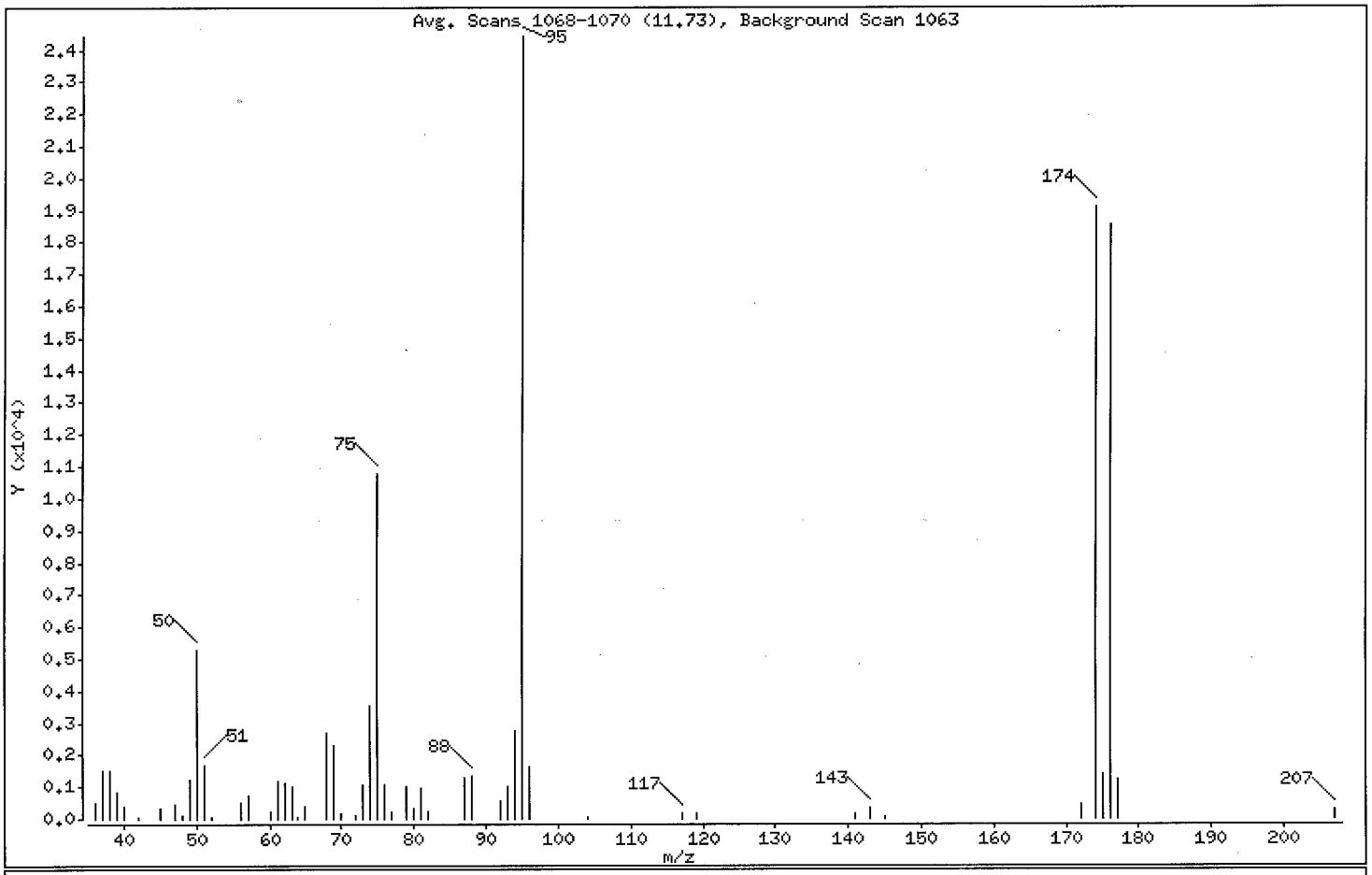
Sample Info: 2UL,BFB2A,BFB2A

Operator: HZ SRC: HZ

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	21.64
75	30.00 - 66.00% of mass 95	44.19
96	5.00 - 9.00% of mass 95	6.58
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	78.15
175	4.00 - 9.00% of mass 174	5.64 (7.21)
176	93.00 - 101.00% of mass 174	75.79 (96.98)
177	5.00 - 9.00% of mass 176	4.97 (6.56)

Date : 20-AUG-2007 21:36

Client ID: BFB2A Instrument: V2.i

Sample Info: 2UL,BFB2A,BFB2A

Operator: HZ SRC: HZ

Column phase: DB-624 Column diameter: 0.25

Data File: V2J8916.D

Spectrum: Avg. Scans 1068-1070 (11.73), Background Scan 1063

Location of Maximum: 95.00

Number of points: 53

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	513	57.00	728	76.00	1079	117.00	153
37.00	1513	60.00	243	77.00	242	119.00	150
38.00	1489	61.00	1175	79.00	1017	141.00	144
39.00	847	62.00	1135	80.00	326	143.00	318
40.00	386	63.00	992	81.00	978	145.00	72
42.00	70	64.00	75	82.00	217	172.00	440
45.00	331	65.00	389	87.00	1266	174.00	19088
47.00	468	68.00	2706	88.00	1354	175.00	1377
48.00	92	69.00	2316	92.00	551	176.00	18512
49.00	1222	70.00	187	93.00	1005	177.00	1214
50.00	5285	72.00	85	94.00	2729	207.00	287
51.00	1672	73.00	1086	95.00	24424		
52.00	72	74.00	3510	96.00	1607		
56.00	482	75.00	10793	104.00	67		

Data File: \\Avogadro\Organics\organic\voa\V2.i\070820A.B\V2J8916.D

Date : 20-AUG-2007 21:36

Client ID: BFB2A

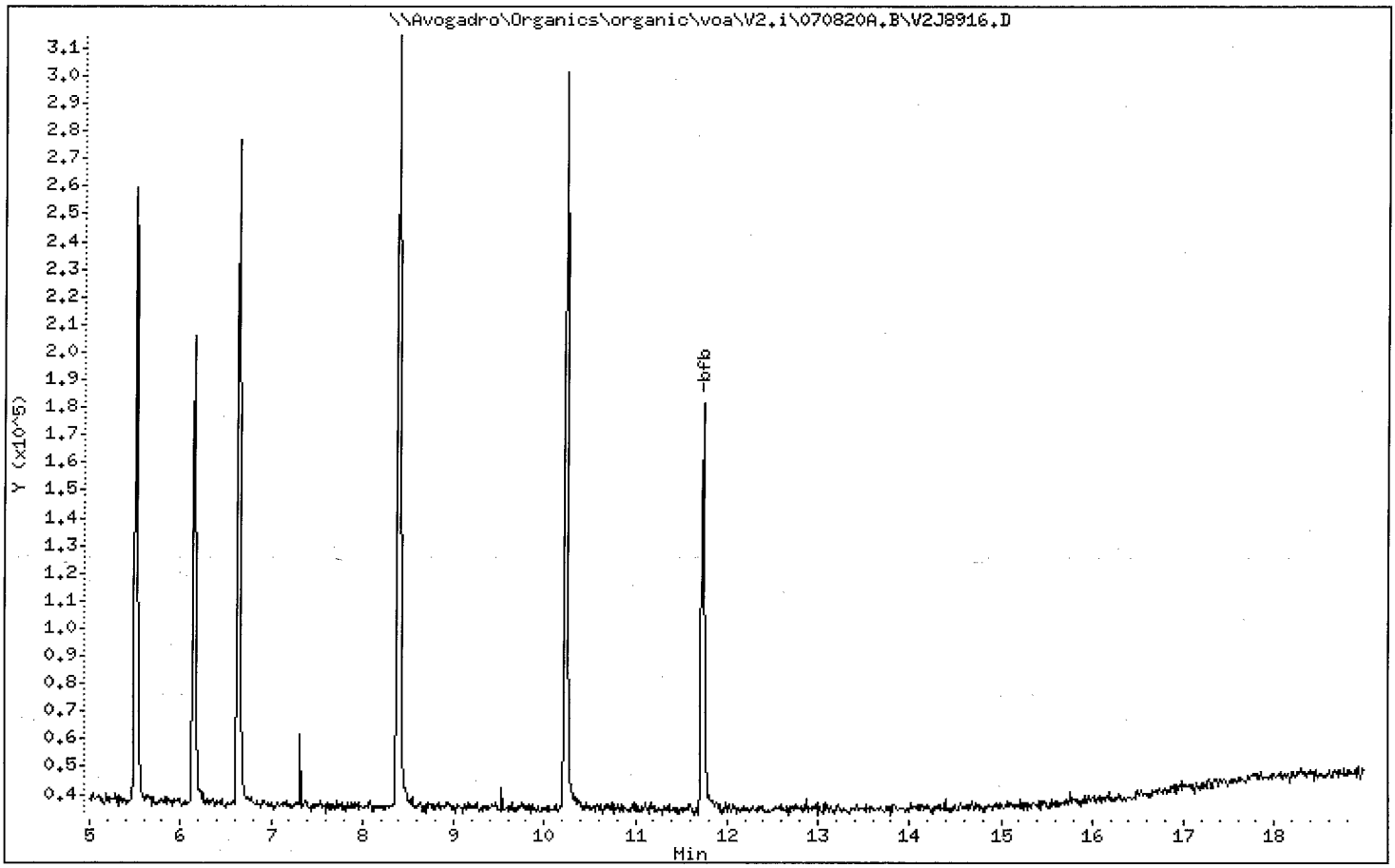
Instrument: V2.i

Sample Info: 2UL,BFB2A,BFB2A

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2A

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix: (soil/water) WATER Lab Sample ID: MB-31778

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J8918

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

% Moisture: not dec. _____ Date Analyzed: 08/20/07

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.

VBLK2A

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix: (soil/water) WATER Lab Sample ID: MB-31778

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J8918

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

% Moisture: not dec. _____ Date Analyzed: 08/20/07

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.

VBLK2A

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix: (soil/water) WATER Lab Sample ID: MB-31778

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J8918

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

% Moisture: not dec. _____ Date Analyzed: 08/20/07

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.					
11.					
12.					
13.					
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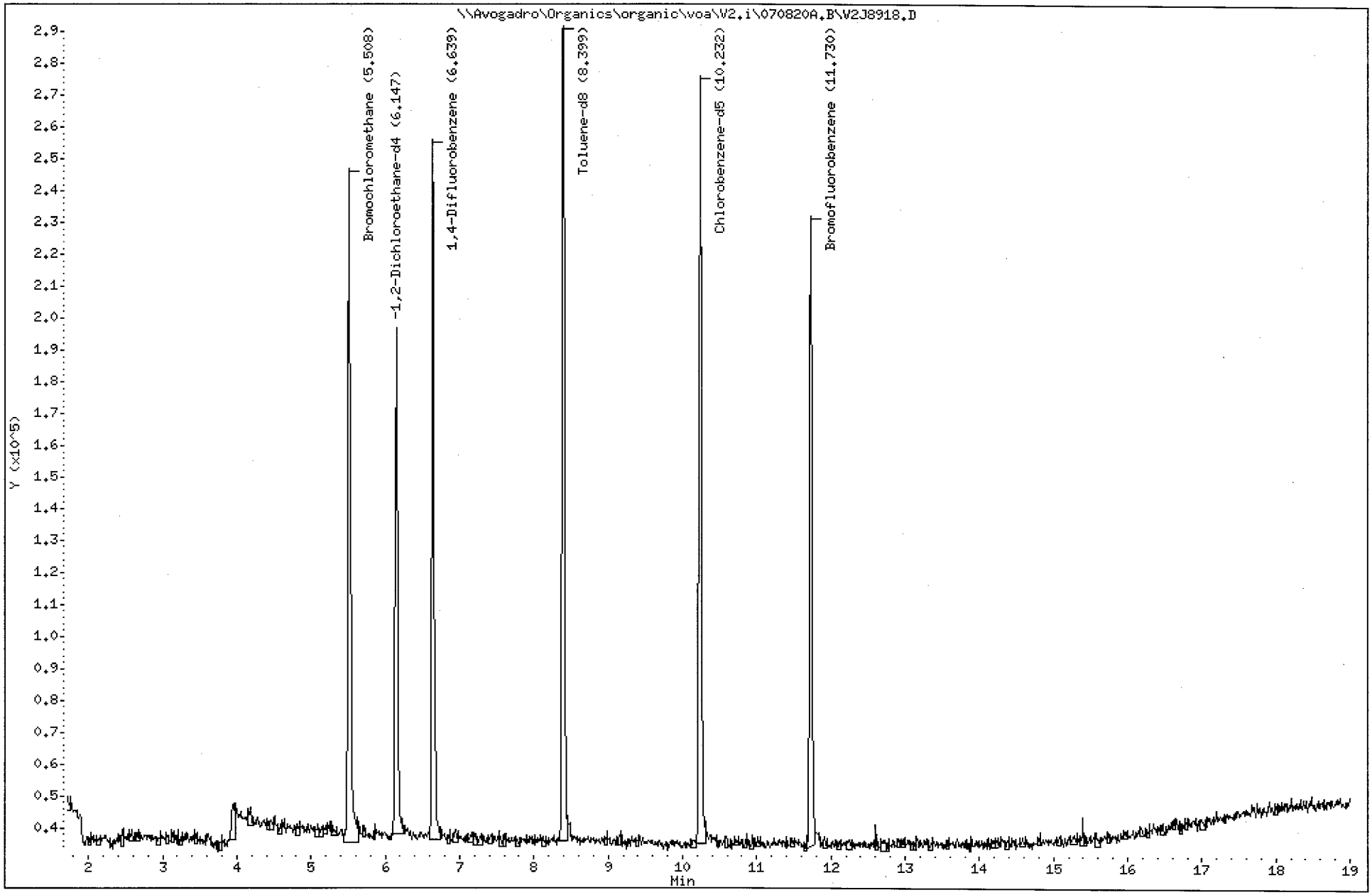
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Data File: \\Avogadro\Organics\organic\voa\V2.i\070820A.B\V2J8918.D
Date : 20-AUG-2007 22:32
Client ID: VBLK2A
Instrument: V2.i
Sample Info: 5ML,MB-31778,VBLK2A,31778
Purge Volume: 5.0
Operator: HZ SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: V2J8918.D
Report Date: 29-Aug-2007 16:34

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070820A.B\V2J8918.D
Lab Smp Id: MB-31778 Client Smp ID: VBLK2A
Inj Date : 20-AUG-2007 22:32
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,MB-31778,VBLK2A,31778
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070820A.B\v2clp4S.m
Meth Date : 29-Aug-2007 16:16 V2.i Quant Type: ISTD
Cal Date : 20-AUG-2007 22:04 Cal File: V2J8917.D
Als bottle: 27 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	5.508	5.518	(1.000)	59572	50.0000	
$ 23 1,2-Dichloroethane-d4	65	6.147	6.146	(1.116)	128702	50.2430	50
* 26 1,4-Difluorobenzene	114	6.639	6.639	(1.000)	198146	50.0000	
$ 33 Toluene-d8	98	8.398	8.388	(0.821)	210326	47.1206	47
* 42 Chlorobenzene-d5	117	10.231	10.242	(1.000)	178720	50.0000	
$ 50 Bromofluorobenzene	95	11.729	11.729	(1.146)	83711	43.3997	43

HZA 08/29/07

Data File: V2J8918.D
Report Date: 29-Aug-2007 16:34

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070820A.B\V2J8918.D
Lab Smp Id: MB-31778 Client Smp ID: VBLK2A
Inj Date : 20-AUG-2007 22:32
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,MB-31778,VBLK2A,31778
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070820A.B\v2clp4S.m
Meth Date : 29-Aug-2007 16:16 V2.i Quant Type: ISTD
Cal Date : 20-AUG-2007 22:04 Cal File: V2J8917.D
Als bottle: 27 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKZ2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix: (soil/water) WATER Lab Sample ID: MB-31777

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J8893

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

% Moisture: not dec. _____ Date Analyzed: 08/20/07

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.

VBLKZ2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix: (soil/water) WATER Lab Sample ID: MB-31777

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J8893

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

% Moisture: not dec. _____ Date Analyzed: 08/20/07

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

VBLKZ2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix: (soil/water) WATER Lab Sample ID: MB-31777

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J8893

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

% Moisture: not dec. _____ Date Analyzed: 08/20/07

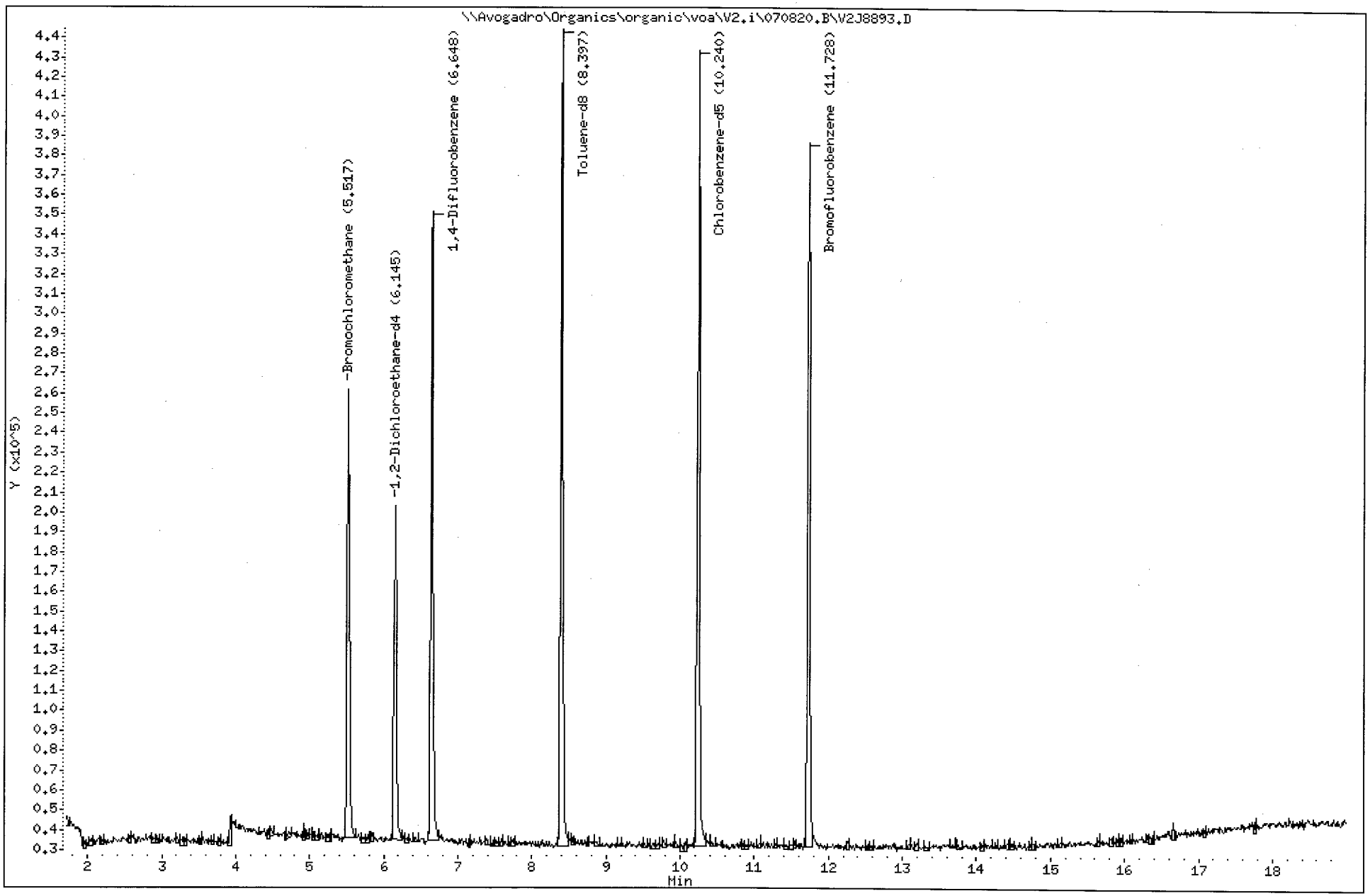
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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.					
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\V2.i\070820.B\V2J8893.D
Date : 20-AUG-2007 10:43
Client ID: VBLKZ2
Instrument: V2.i
Sample Info: 5ML,MB-31777,VBLKZ2,31777
Purge Volume: 5.0
Operator: HZ SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8893.D
Report Date: 29-Aug-2007 16:49

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8893.D
Lab Smp Id: MB-31777 Client Smp ID: VBLKZ2
Inj Date : 20-AUG-2007 10:43
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,MB-31777,VBLKZ2,31777
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070820.B\v2clp4S.m
Meth Date : 29-Aug-2007 16:49 V2.i Quant Type: ISTD
Cal Date : 20-AUG-2007 09:46 Cal File: V2J8891.D
Als bottle: 3 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	5.516	5.516	(1.000)	64114	50.0000	
$ 23 1,2-Dichloroethane-d4	65	6.145	6.144	(1.114)	144672	46.6389	47
* 26 1,4-Difluorobenzene	114	6.647	6.637	(1.000)	295443	50.0000	
$ 33 Toluene-d8	98	8.396	8.386	(0.820)	321980	48.7841	49
* 42 Chlorobenzene-d5	117	10.240	10.229	(1.000)	274290	50.0000	
$ 50 Bromofluorobenzene	95	11.727	11.716	(1.145)	147914	50.8407	51

HZ 08/29/07

Data File: \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8893.D
Report Date: 29-Aug-2007 16:49

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8893.D
Lab Smp Id: MB-31777 Client Smp ID: VBLKZ2
Inj Date : 20-AUG-2007 10:43
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,MB-31777,VBLKZ2,31777
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070820.B\v2clp4S.m
Meth Date : 29-Aug-2007 16:49 V2.i Quant Type: ISTD
Cal Date : 20-AUG-2007 09:46 Cal File: V2J8891.D
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKK5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix: (soil/water) WATER Lab Sample ID: MB-31767

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9689

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

% Moisture: not dec. _____ Date Analyzed: 08/17/07

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.

VBLKK5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix: (soil/water) WATER Lab Sample ID: MB-31767

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9689

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

% Moisture: not dec. _____ Date Analyzed: 08/17/07

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

VBLKK5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix: (soil/water) WATER Lab Sample ID: MB-31767

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9689

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

% Moisture: not dec. _____ Date Analyzed: 08/17/07

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.					
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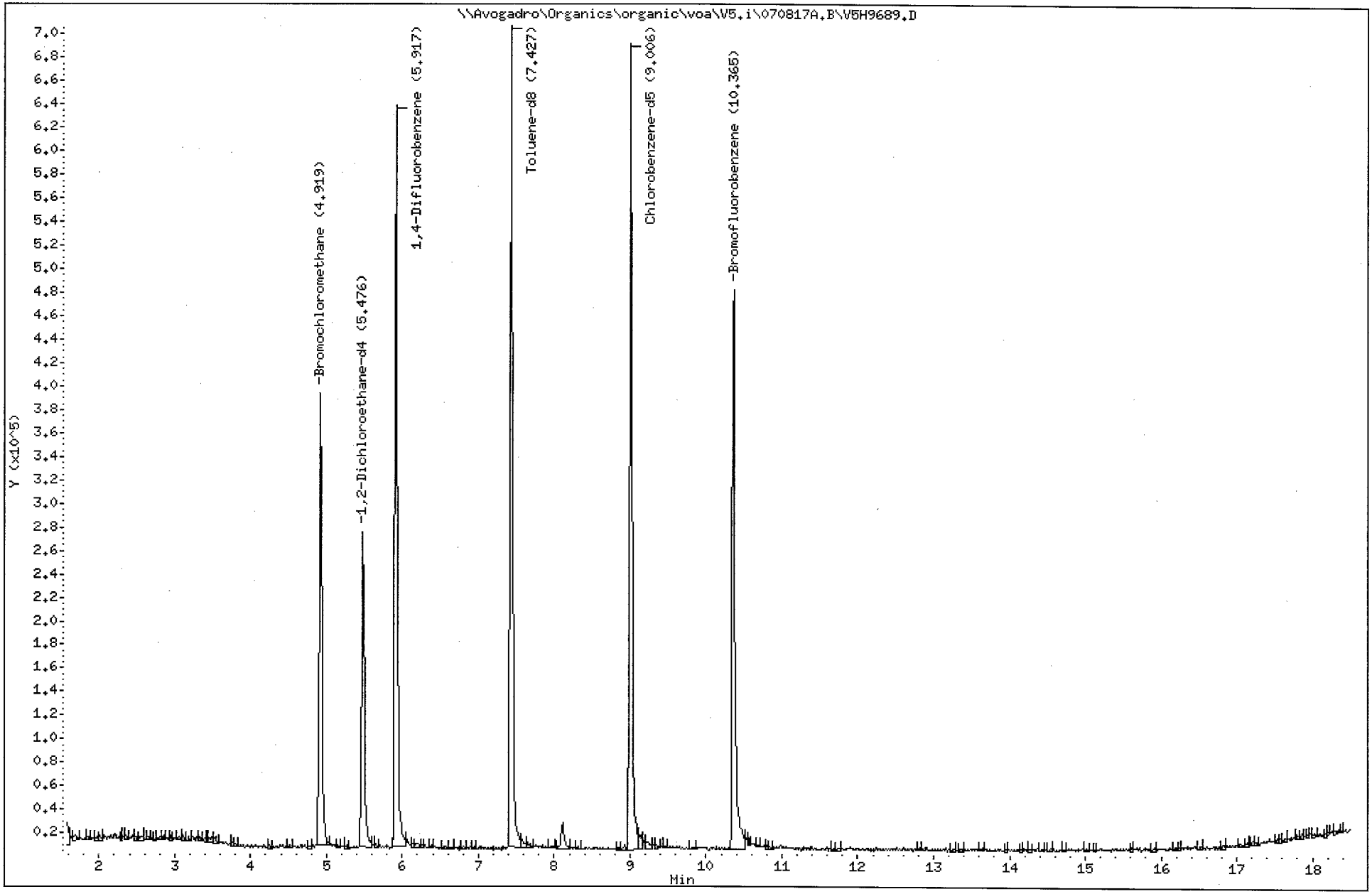
Data File: \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9689.D
Date : 17-AUG-2007 23:04
Client ID: VBLKK5
Instrument: V5.i
Sample Info: 25ML,MB-31767,VBLKK5,31767
Purge Volume: 5.0
Operator: HZA SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: V5H9689.D
Report Date: 29-Aug-2007 16:19

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9689.D
Lab Smp Id: MB-31767 Client Smp ID: VBLKK5
Inj Date : 17-AUG-2007 23:04
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 25ML,MB-31767,VBLKK5,31767
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070817A.B\v5clp4.m
Meth Date : 27-Aug-2007 11:41 V5.i Quant Type: ISTD
Cal Date : 17-AUG-2007 22:37 Cal File: V5H9688.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	4.918	4.919	(1.000)	148544	50.0000	
$ 24 1,2-Dichloroethane-d4	65	5.475	5.477	(1.113)	258607	50.5887	51
* 27 1,4-Difluorobenzene	114	5.917	5.918	(1.000)	642048	50.0000	
$ 35 Toluene-d8	98	7.426	7.428	(0.825)	590673	46.0286	46
* 43 Chlorobenzene-d5	117	9.006	9.007	(1.000)	539802	50.0000	
$ 51 Bromofluorobenzene	95	10.353	10.354	(1.150)	234184	43.4054	43

HZA 08/29/07

Data File: V5H9689.D
Report Date: 29-Aug-2007 16:19

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V5.i\070817A.B\V5H9689.D
Lab Smp Id: MB-31767 Client Smp ID: VBLKK5
Inj Date : 17-AUG-2007 23:04
Operator : HZA SRC: LIMS Inst ID: V5.i
Smp Info : 25ML,MB-31767,VBLKK5,31767
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V5.i\070817A.B\v5clp4.m
Meth Date : 27-Aug-2007 11:41 V5.i Quant Type: ISTD
Cal Date : 17-AUG-2007 22:37 Cal File: V5H9688.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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VHBLK2A

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix: (soil/water) WATER Lab Sample ID: VHBLK2A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J8919

Level: (low/med) LOW Date Received: 08/10/07

% Moisture: not dec. _____ Date Analyzed: 08/20/07

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.

VHBLK2A

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix: (soil/water) WATER Lab Sample ID: VHBLK2A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J8919

Level: (low/med) LOW Date Received: 08/10/07

% Moisture: not dec. _____ Date Analyzed: 08/20/07

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.

VHBLK2A

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix: (soil/water) WATER Lab Sample ID: VHBLK2A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J8919

Level: (low/med) LOW Date Received: 08/10/07

% Moisture: not dec. _____ Date Analyzed: 08/20/07

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
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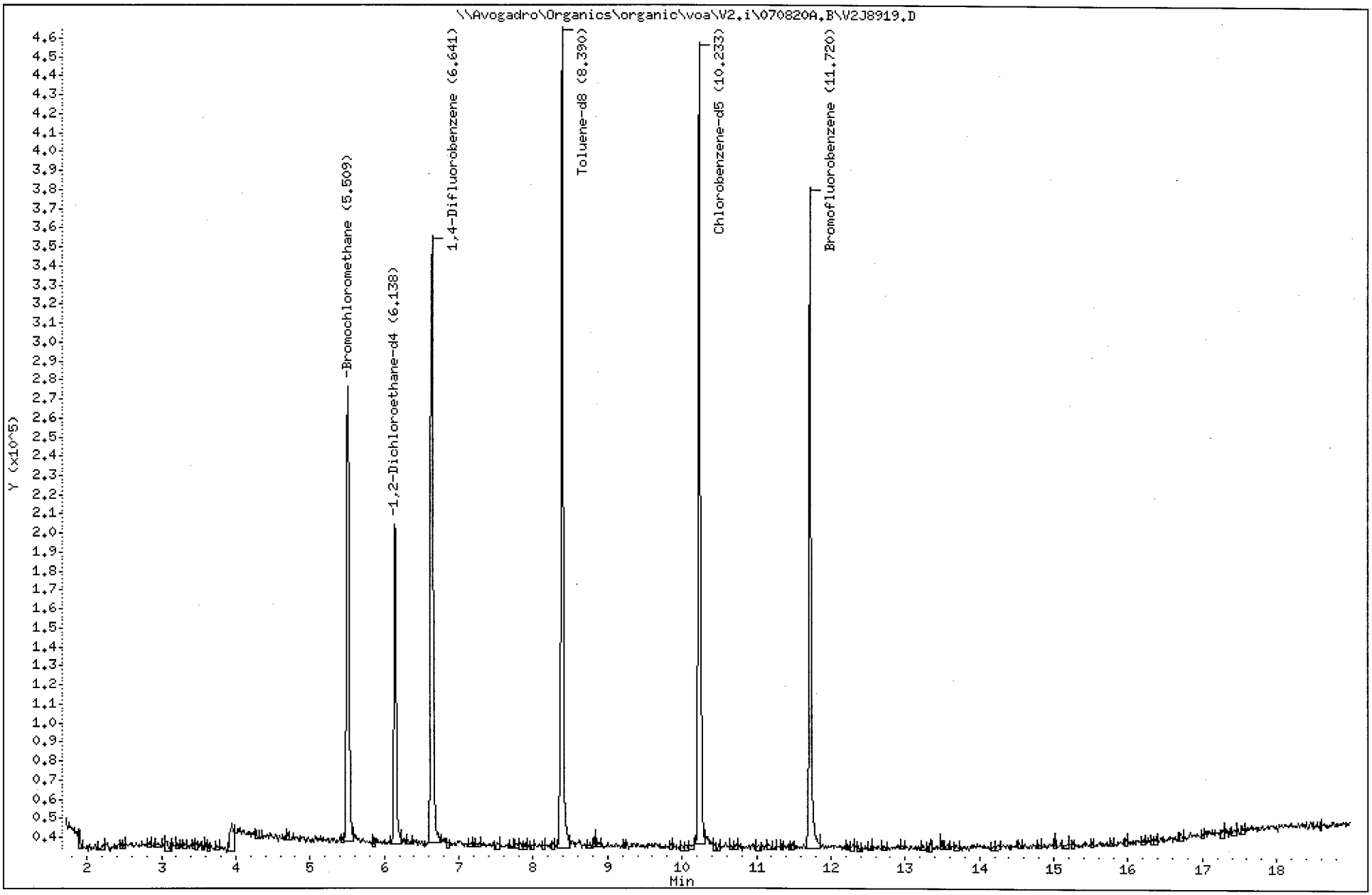
Data File: \\Avogadro\Organics\organic\voa\V2.i\070820A.B\V2J8919.D
Date : 20-AUG-2007 23:01
Client ID: VHBLK2A
Instrument: V2.i
Sample Info: 5ML,VHBLK2A,VHBLK2A,31778
Purge Volume: 5.0
Operator: HZ SRC: HZ
Column phase: DB-624
Column diameter: 0.25



Data File: V2J8919.D
Report Date: 29-Aug-2007 16:34

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070820A.B\V2J8919.D
Lab Smp Id: VHBLK2A Client Smp ID: VHBLK2A
Inj Date : 20-AUG-2007 23:01
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 5ML,VHBLK2A,VHBLK2A,31778
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070820A.B\v2clp4S.m
Meth Date : 29-Aug-2007 16:16 V2.i Quant Type: ISTD
Cal Date : 20-AUG-2007 22:04 Cal File: V2J8917.D
Als bottle: 28 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)	CONCENTRATIONS FINAL (ug/L)
* 18 Bromochloromethane	128	5.509	5.518	(1.000)	67668	50.0000	
$ 23 1,2-Dichloroethane-d4	65	6.148	6.146	(1.116)	144852	49.7822	50
* 26 1,4-Difluorobenzene	114	6.640	6.639	(1.000)	293277	50.0000	
$ 33 Toluene-d8	98	8.389	8.388	(0.820)	330855	46.6644	47
* 42 Chlorobenzene-d5	117	10.232	10.242	(1.000)	283885	50.0000	
$ 50 Bromofluorobenzene	95	11.720	11.729	(1.145)	142165	46.4010	46

HZA 08/29/07

Data File: V2J8919.D
Report Date: 29-Aug-2007 16:34

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070820A.B\V2J8919.D
Lab Smp Id: VHBLK2A Client Smp ID: VHBLK2A
Inj Date : 20-AUG-2007 23:01
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 5ML,VHBLK2A,VHBLK2A,31778
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070820A.B\v2clp4S.m
Meth Date : 29-Aug-2007 16:16 V2.i Quant Type: ISTD
Cal Date : 20-AUG-2007 22:04 Cal File: V2J8917.D
Als bottle: 28 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.

VZ2LCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix: (soil/water) WATER Lab Sample ID: LCS-31777

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J8894

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

% Moisture: not dec. _____ Date Analyzed: 08/20/07

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	53	
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	52	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VZ2LCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1105

Matrix: (soil/water) WATER Lab Sample ID: LCS-31777

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J8894

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

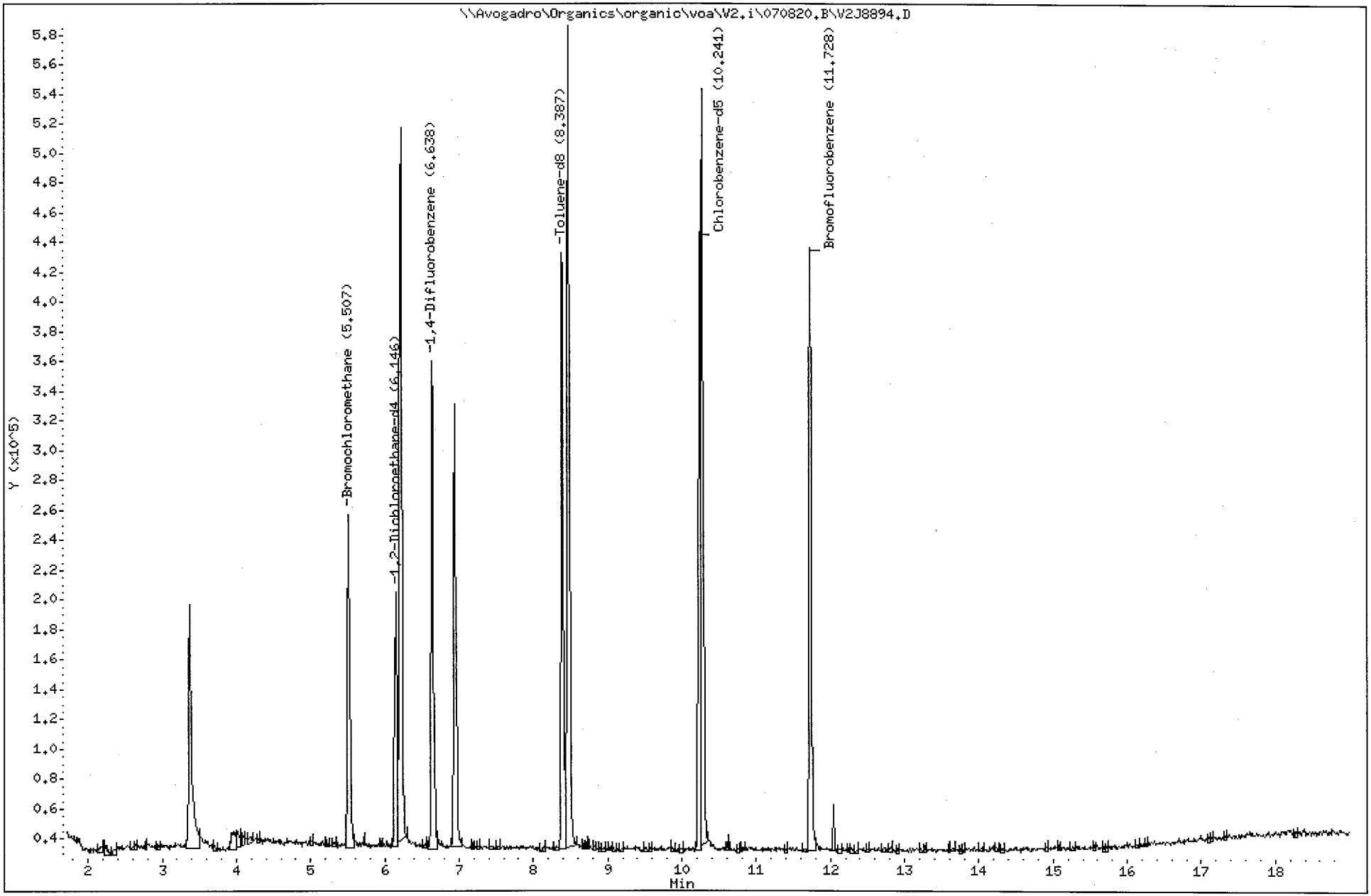
% Moisture: not dec. _____ Date Analyzed: 08/20/07

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	52	
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	53	
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	55	
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\V2.i\070820.B\V2J8894.D
Date : 20-AUG-2007 11:12
Client ID: VZ2LCS
Instrument: V2.i
Sample Info: 5ML,LCS-31777,VZ2LCS,31777
Purge Volume: 5.0
Operator: HZ SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8894.D
Report Date: 29-Aug-2007 16:35

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070820.B\V2J8894.D
Lab Smp Id: LCS-31777 Client Smp ID: VZ2LCS
Inj Date : 20-AUG-2007 11:12
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,LCS-31777,VZ2LCS,31777
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070820.B\v2clp4S.m
Meth Date : 29-Aug-2007 11:51 yding Quant Type: ISTD
Cal Date : 20-AUG-2007 09:46 Cal File: V2J8891.D
Als bottle: 4 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14
Processing Host: TARGET108

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	3.370	3.369	(0.612)	103470	52.5545	53
* 18	Bromochloromethane	128	5.506	5.516	(1.000)	62083	50.0000	
$ 23	1,2-Dichloroethane-d4	65	6.145	6.144	(1.116)	139427	46.4184	46
25	Benzene	78	6.219	6.218	(0.937)	470572	51.6476	52
* 26	1,4-Difluorobenzene	114	6.637	6.637	(1.000)	293714	50.0000	
27	Trichloroethene	130	6.941	6.940	(1.046)	111529	51.6404	52
$ 33	Toluene-d8	98	8.397	8.386	(0.820)	314037	48.8495	49
34	Toluene	91	8.470	8.469	(0.827)	472610	52.9830	53
* 42	Chlorobenzene-d5	117	10.240	10.229	(1.000)	267165	50.0000	
43	Chlorobenzene	112	10.272	10.271	(1.003)	328047	55.0099	55
$ 50	Bromofluorobenzene	95	11.728	11.716	(1.145)	162239	57.2516	57

HZA 08/29/07

Mitkem Corporation
Volatiles Laboratory

Instrument V2 Injection Log

METHOD: OLM.W
ICAL DATE: 08/19/07

ANALYST: MZ
EMV:

BATCH: 070820A.B

Start: 20-AUG-07 21:36
End: 21-AUG-07 09:20

Comments:

IS-VW-07-0816A
SS-VW-07-0816B
STD-VW-07-0816C
LCS-VW-07-0816D

Reviewed By: MZA 08/22/07

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	BN	INTERNAL STDS BCM	DFB	CBZ	SURROGATES DCE	TOL	BFB	DILN	FLG	COMMENTS	pH
V2J8916	21:36	BFB2A	BFB2A		AQ								1		ok ✓	
V2J8917	22:04	VSTD0502A	VSTD0502A		AQ		100	100	100				1		ok ✓	
V2J8918	22:32	MB-31778	VBLK2A	31778	AQ		91	67	65	100	94	87	1		ok ✓	
V2J8919	23:01	VHBLK2A	VHBLK2A	31778	AQ		104	99	104	100	93	93	1		ok (F1105) ✓	
V2J8920	23:29	LCS-31778	V2ALCS	31778	AQ		93	77	75	103	92	103	1		ok	
V2J8921	23:58	F1096-17A	INFLUENT	31778	AQ	1	101	98	97	99	96	102	1	E	PCE=1513, RRx20	7
V2J8922	00:26	F1096-18A	EFFLUENT	31778	AQ	1	104	100	103	100	94	94	1		RRx1	7
V2J8923	00:55	F1096-19A	TRIPBLANK	31778	AQ	1	105	102	106	101	93	95	1		ok	7
V2J8924	01:23	F1130-01A	GWET EFF	31778	AQ	2	104	98	102	99	91	96	1		ok	7
V2J8925	01:51	F1132-03A	ASMW-6	31778	AQ	1	104	99	101	98	96	94	1		ok	7
V2J8926	02:19	F1132-04A	ASMW-5	31778	AQ	1	101	94	98	98	93	92	1		ok	7
V2J8927	02:48	F1132-05A	ASMW-4	31778	AQ	1	116	111	111	98	89	94	1		ok	7
V2J8928	03:16	F1132-06A	ASMW-1	31778	AQ	1	102	96	99	97	93	95	1		ok	7
V2J8929	03:44	F1132-07A	ASMW-2	31778	AQ	1	107	97	76	98	56*	124*	1		RRx1	7
V2J8930	04:12	F1132-08A	AMSW-3	31778	AQ	1	105	99	104	99	93	91	1		ok	7
V2J8931	04:40	F1124-04A	RB081307	31778	AQ	1	108	99	104	95	93	89	1		ok	7
V2J8932	05:09	F1124-05A	TB081307	31778	AQ	1	108	99	101	95	95	93	1		ok	7
V2J8933	05:37	F1124-06A	RB081407	31778	AQ	1	102	94	98	96	96	94	1		ok	7
V2J8934	06:05	F1124-07A	TB081407	31778	AQ	1	104	97	100	96	94	90	1		ok	7
V2J8935	06:33	F1124-10A	09GW01	31778	AQ	1	104	94	98	94	95	93	1		ok	7
V2J8936	07:02	F1124-11A	09GW105	31778	AQ	1	100	87	92	94	95	94	1		ok	7
V2J8937	07:30	F1124-12A	09GW57D	31778	AQ	1	105	98	100	97	94	92	1		ok	7
V2J8938	07:58	VHBLK2A	VHBLK2A	31778	AQ		106	102	106	99	94	89	1		ok (F1103)	7
V2J8939	08:27	F1124-09A	07GW202	31778	AQ	1	111	101	105	96	95	92	1		ok	7
V2J8940	08:55	F1124-09AMS	07GW202MS	31778	AQ	2	100	99	100	99	92	92	1		ok	7
V2J8941	09:20	F1124-09AMSD	07GW202MSD	31778	AQ	3	100	94	98	97	91	98	1		ok	7

6 lvl, in 20B.B

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

F1124 RR. 6 lvl

MZA 08/22/07

Mitkem Corporation
Volatiles Laboratory

Instrument V2 Injection Log

METHOD: OLM_W
ICAL DATE: 08/13/-7

ANALYST: WL
EMV:

BATCH: 070820.B

Start: 20-AUG-07 09:31
End: 20-AUG-07 21:08

Comments:

IS-VW-7.316A
S5-VW07.316B
STD-VW07.316C
LCS-VW07.316D

Reviewed By: WZA 08/22/07

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
V2J8890	09:31	BFB2Z	BFB2Z		AQ									1		ok ✓	
V2J8891	09:46	VSTD0502Z	VSTD0502Z		AQ		100	100	100					1		ok	
V2J8893	10:43	MB-31777	VBLKZ2	31777	AQ		91	87	87	93	98	102		1		ok	
V2J8894	11:12	LCS-31777	VZ2LCS	31777	AQ		88	87	85	93	98	114		1		ok	
V2J8895	11:41	VHBLKZ2	VHBLKZ2	31777	AQ		90	79	82	92	95	100		1		ok (CF1090)	
V2J8896	12:09	F1096-07ADL	MPI-6SDL	31777	AQ	2	94	92	90	94	99	106		10	E	PCE=546, RRX40	2
V2J8897	12:37	F1096-08ADL	MPI-4IDL	31777	AQ	2	99	94	95	93	97	102		40		PCE=17, RRX10	2
V2J8898	13:06	F1096-05ADL	EE2DL	31777	AQ	2	117	104	106	92	95	97		5		ok, MTBE=133, PCE=0	2
V2J8899	13:34	F1096-06ADL	MW08DL	31777	AQ	2	108	101	101	90	97	100		10		ok, PCE=96	2
V2J8900	14:02	F1096-07ADL	MPI-6SDL	31777	AQ	2	95	91	91	93	99	100		40		ok, PCE=122	2
V2J8901	14:30	F1096-08ADL	MPI-4IDL	31777	AQ	2	91	84	85	93	98	98		10		ok, PCE=130	2
V2J8902	14:59	F1096-09A	MPI-4S	31777	AQ	2	103	93	94	88	98	99		1		ok	2
V2J8903	15:27	F1096-10A	ESI-1	31777	AQ	2	101	92	95	92	98	100		1		ok	2
V2J8904	15:56	F1096-11A	MPI-14B	31777	AQ	2	104	97	97	91	100	101		1		ok	2
V2J8905	16:24	F1096-12A	MPI-13B	31777	AQ	2	98	91	94	92	96	96		1		ok	2
V2J8906	16:52	F1096-13ADL	MPI-10BDL	31777	AQ	2	94	86	87	89	98	98		8		ok, PCE=99	2
V2J8907	17:20	F1096-14A	TB05	31777	AQ	2	87	79	80	91	98	94		1		ok	2
V2J8908	17:49	F1096-15A	MPI-12B	31777	AQ	2	94	85	87	89	97	101		1		ok	2
V2J8909	18:18	F1096-16A	MPI-15B	31777	AQ	2	98	84	88	87	96	99		1		ok	2
V2J8910	18:46	F1105-01ADL	MW0B-02DL	31777	AQ	2	98	88	92	89	97	99		500		ok, Tolue=140	2
V2J8911	19:14	F1105-02A	TB04	31777	AQ	2	92	86	87	92	99	96		1		ok	2
V2J8912	19:43	F1132-01A	TB-1	31777	AQ	2	93	83	85	88	96	97		1		ok	7
V2J8913	20:11	F1132-02A	ASMW-7	31777	AQ	2	95	83	87	85	97	94		1		ok	7
V2J8914	20:40	F1132-02AMS	ASMW-7MS	31777	AQ	3	90	83	83	89	96	92		1		ok	7
V2J8915	21:08	F1132-02AMSD	ASMW-7MSD	31777	AQ	4	88	84	84	93	96	88		1		ok	7

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

83

WL 08/22/-7

METHOD: CAL ID: ANALYST:

INITIAL CAL: IS/SS ID: ARCHIVE:

Mitkem Corporation
Volatiles Laboratory

Instrument V2 Injection Log

METHOD: 0241.2
ICAL DATE: 8/18/07

ANALYST: JJ
EMV:

BATCH: 070818.B

Start: 18-AUG-07 10:13
End: 18-AUG-07 13:10

Comments:

VL 070764 IS
B SS
C DSTD
VV 070806D LCS

Reviewed By: SB 8/21/07

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	BN	INTERNAL STDS BCM	DFB	CBZ	SURROGATES DCE	TOL	BFB	DILN	FLG	COMMENTS	pH
V2J8850	10:13	BFB2X	BFB2X		AQ											
V2J8851	10:46	VSTD0502X	VSTD0502X		AQ		100	100	100				1		OK	
V2J8852	11:15	VSTD0202X	VSTD0202X		AQ		98	98	100				1		OK	
V2J8853	11:46	VSTD0102X	VSTD0102X		AQ		102	99	101				1		OK	
V2J8854	12:14	VSTD0022X	VSTD0022X		SL		102	96	100				1		OK	
V2J8855	12:42	VSTD2002X	VSTD2002X		AQ		100	97	103				1		OK	
V2J8856	13:10	VSTD1002X	VSTD1002X		AQ		100	102	102				1		OK	

ICAL 52V2 OK 0241.2 FOR METHOD

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 90.0206-06/07

Reviewed By: JJ 8/18/07

METHOD: CAL ID: ANALYST:

INITIAL CAL: IS/SS ID: ARCHIVE:

COMMENTS: ICV ID:

Mitkem Corporation
Volatiles Laboratory

Instrument V5 Injection Log

METHOD: OLM-W ANALYST: WL BATCH: 070816.B Start: 16-AUG-07 16:23
ICAL DATE: 08/16/07 EMV: End: 16-AUG-07 19:57

IS-VW-070816A
SS-VW-070816B
STD-VW-070816C

Comments:

Reviewed By: SB 8/20/07

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
V5H9620	16:23	BFBH5	BFBH5		AQ								1	ok		
V5H9621	17:43	VSTD050H5	VSTD050H5		AQ		100	100	100				1	ok		
V5H9622	18:10	VSTD020H5	VSTD020H5		AQ		103	101	99				1	ok		
V5H9623	18:37	VSTD010H5	VSTD010H5		AQ		98	97	96				1	ok	OLM 4.2 AQ ICAL	
V5H9625	19:30	VSTD200H5	VSTD200H5		AQ		103	104	102				1	ok		
V5H9626	19:57	VSTD100H5	VSTD100H5		AQ		104	104	101				1	ok		

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 08/17/07

Logbook ID 90.0199-06/07

Reviewed By:_____

METHOD: CAL ID: ANALYST:

INITIAL CAL: IS/SS ID: ARCHIVE:

COMMENTS: ICV ID:

Mitkem Corporation
Volatiles Laboratory

Instrument V5 Injection Log

METHOD: 0241.R
ICAL DATE: 8/16/07

ANALYST: JV
EMV: _____

BATCH: 070817A.B

Start: 17-AUG-07 22:11
End: 18-AUG-07 00:24

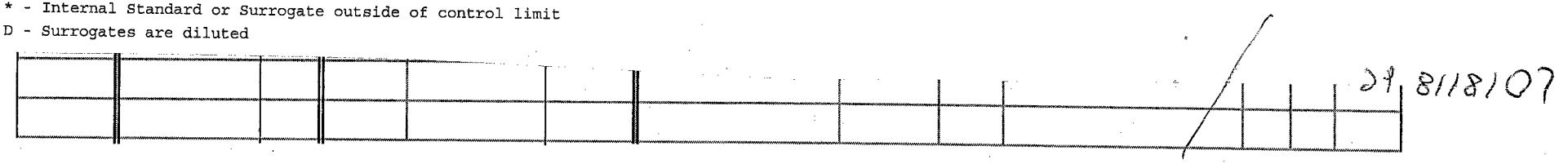
Comments:

LN 070816A IS
B CC
C STD
LN 070816 D LCS

Reviewed By: SB 8/20/07

FILE	TIME	LAB ID	CLIENT ID	PREP BATCH	MT	BN	INTERNAL STDS BCM	DFB	CBZ	SURROGATES DCE	TOL	BFB	DILN	FLG	COMMENTS	pH
V5H9687	22:11	BFBK5	BFBK5		AQ								1		ok ✓	
V5H9688	22:37	VSTD050K5	VSTD050K5		AQ		100	100	100				1		ok ✓	
V5H9689	23:04	MB-31767	VBLKK5	31767	AQ		108	117	112	101	92	87	1		ok	
V5H9690	23:31	LCS-31767	VK5LCS	31767	AQ		86	95	92	105	94	86	1	R	ok	
V5H9691	23:58	F1130-01A	GWET EFF	31767	AQ	1	96	98	96	103	94	81*	1		ok RR IX	
V5H9692	00:24	F1105-01A	MWOB-02	31767	AQ	1	104	116	104	103	52*	98	1	E	TOL 3.221 RR 200X	2
															COMPUTER STOPPED	2

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



G1-19

Logbook ID 90.0199-06/07

Reviewed By:_____

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
8/9/07	F1090	ENE	01-20	DKD	SB	H	R10	
8/9/07	F1097	CHAREN	01-09	DKD	SB	H	R10	
8/9/07	F1098	DKD 8/9/07 ~~CH~~ Barton	01	DKD		US	R10	
↓	F1088	EPA	18-20	↓		H	R13	
↓	F1100	EPA	01-20	↓		H	R13	
8/9/07	F1101	EPA	01-08	DKD		H	R13	
8/10/07	F1102	Quirka	01-07 (*) 48HR TAT	DKD		US	R10	
↓	F1096	ENE	04-13	↓		H	R9	
↓	F1103	URS	01-11,14	↓		H	R9	
↓	F1104	Earth	01-18	↓		US	R9	
↓	F1078	ENE	20	↓		H	R10	
↓	F1105	ENE	01-02	↓		H	R10	
↓	F1106	CT MALE	01-07	↓	↓	H	R10	
8/10/07	F1101	EPA	09-20	DKD	SB	H	R13	

Logbook ID 90.0191-04/07

Reviewed By: SB 8/14/07

"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

* Metals *

USEPA - CLP
COVER PAGE

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1105

SOW No.: ILM05.4

EPA Sample No.	Lab Sample ID
MWOB-02	F1105-01

		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: Karolina Badura Name: KAROLINA BADURA

Date: 8/30/07 Title:

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MWOB-02

Lab Name: Mitkem Corporation Contract: 002699.ID09

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1105

Matrix (soil/water): WATER Lab Sample ID: F1105-01

Level (low/med): MED Date Received: 08/10/2007

% 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	9130			P
7440-36-0	Antimony	12.0	J		P
7440-38-2	Arsenic	16.2			P
7440-39-3	Barium	553			P
7440-41-7	Beryllium	0.55	J		P
7440-43-9	Cadmium	0.91	J		P
7440-70-2	Calcium	122000			P
7440-47-3	Chromium	15.8			P
7440-48-4	Cobalt	15.7	J		P
7440-50-8	Copper	79.4			P
7439-89-6	Iron	33900			P
7439-92-1	Lead	207		E	P
7439-95-4	Magnesium	21600			P
7439-96-5	Manganese	2280			P
7439-97-6	Mercury	0.20			CV
7440-02-0	Nickel	30.0	J		P
7440-09-7	Potassium	3870	J		P
7782-49-2	Selenium	26.2	J		P
7440-22-4	Silver	3.0	J		P
7440-23-5	Sodium	94800			P
7440-28-0	Thallium	4.0	J		P
7440-62-2	Vanadium	17.7	J		P
7440-66-6	Zinc	280			P

Color Before BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLOUDY 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.: MF1105

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.: MF1105

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	4.21	84	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.: MF1105

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	4.25	85			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.: MF1105

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	14494.37	97	10000.0	9484.25	95	9610.90	96	P
Antimony	750.0	732.10	98	500.0	486.26	97	491.80	98	P
Arsenic	750.0	759.63	101	500.0	507.68	102	510.14	102	P
Barium	15000.0	15025.38	100	10000.0	10382.60	104	10470.07	105	P
Beryllium	375.0	366.63	98	250.0	251.01	100	253.66	101	P
Cadmium	375.0	373.08	99	250.0	253.23	101	253.19	101	P
Calcium	37500.0	36548.58	97	25000.0	24220.43	97	24551.72	98	P
Chromium	1500.0	1490.14	99	1000.0	993.79	99	1005.59	101	P
Cobalt	3750.0	3711.52	99	2500.0	2513.25	101	2528.36	101	P
Copper	1875.0	1822.10	97	1250.0	1213.59	97	1231.59	99	P
Iron	7500.0	7583.46	101	5000.0	5148.42	103	5186.79	104	P
Lead	750.0	727.42	97	500.0	500.69	100	502.34	100	P
Magnesium	37500.0	36793.11	98	25000.0	25495.38	102	25574.89	102	P
Manganese	3750.0	3691.11	98	2500.0	2537.06	101	2555.75	102	P
Nickel	3750.0	3716.82	99	2500.0	2509.54	100	2525.86	101	P
Selenium	750.0	724.79	97	500.0	506.14	101	499.59	100	P
Silver	1875.0	1810.46	97	1250.0	1205.86	96	1231.34	99	P
Thallium	750.0	743.90	99	500.0	506.74	101	503.54	101	P
Vanadium	3750.0	3712.19	99	2500.0	2448.52	98	2487.51	100	P
Zinc	3750.0	3736.18	100	2500.0	2561.01	102	2547.93	102	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.: MF1105

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	35422.97	94	25000.0	24432.82	98	24504.01	98	P
Sodium	37500.0	36269.50	97	25000.0	25081.62	100	25096.89	100	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.: MF1105

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	24655.45	99			P
Sodium				25000.0	25383.80	102			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.: MF1105

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
Mercury	0.2			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.: MF1105

CRQL Check Standard Source:

Concentration Units: ug/L

	CRQL Check Standard				
	Initial			Final	
Analyte	True	Found*	%R (1)	Found*	%R (1)
Antimony	60.0	66.79	111	60.98	102
Arsenic	10.0	11.00	110	7.62 J	76
Beryllium	5.0	5.12	102	5.16	103
Cadmium	5.0	5.52	110	5.38	108
Chromium	10.0	11.24	112	10.29	103
Cobalt	50.0	54.46	109	53.81	108
Copper	25.0	24.08 J	96	25.49	102
Lead	10.0	9.49 J	95	4.96 J	50
Manganese	15.0	16.36	109	16.79	112
Nickel	40.0	43.99	110	42.79	107
Selenium	35.0	42.31	121	45.07	129
Silver	10.0	10.73	107	11.33	113
Thallium	25.0	25.31	101	22.17 J	89
Vanadium	50.0	50.94	102	52.66	105
Zinc	60.0	74.30	124	67.32	112

(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.: MF1105

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.: MF1105

Preparation Blank Matrix (soil/water): Method Blank ID:

Preparation Blank Concentration Units (ug/L or 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					

USEPA - CLP

3-IN

BLANKS

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1105

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	6.094	J	200.000	U	200.000	U			6.200	J	P
Antimony	-1.081	J	60.000	U	1.532	J			5.763	J	P
Arsenic	10.000	U	10.000	U	10.000	U			10.000	U	P
Barium	200.000	U	0.562	J	200.000	U			200.000	U	P
Beryllium	5.000	U	5.000	U	5.000	U			5.000	U	P
Cadmium	5.000	U	5.000	U	-0.081	J			5.000	U	P
Calcium	61.355	J	-18.838	J	25.000	J			38.731	J	P
Chromium	10.000	U	10.000	U	0.207	J			0.205	J	P
Cobalt	0.381	J	0.370	J	50.000	U			0.301	J	P
Copper	25.000	U	25.000	U	25.000	U			25.000	U	P
Iron	100.000	U	100.000	U	100.000	U			100.000	U	P
Lead	-3.994	J	-0.896	J	-7.357	J			1.067	J	P
Magnesium	5000.000	U	5000.000	U	5000.000	U			5000.000	U	P
Manganese	15.000	U	15.000	U	15.000	U			15.000	U	P
Nickel	40.000	U	0.356	J	40.000	U			40.000	U	P
Selenium	3.090	J	35.000	U	35.000	U			4.072	J	P
Silver	10.000	U	10.000	U	10.000	U			10.000	U	P
Thallium	-1.338	J	25.000	U	25.000	U			25.000	U	P
Vanadium	50.000	U	50.000	U	50.000	U			-0.404	J	P
Zinc	60.000	U	60.000	U	60.000	U			60.000	U	P

USEPA - CLP

3-IN

BLANKS

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1105

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-31667**

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
Potassium	5000.000	U	5000.000	U	32.640	J	5000.000	U	5000.000	U	P
Sodium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	5000.000	U	P

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.: MF1105

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
Aluminum	500000	500000	436000	87	445000	89	453000	91	452000	90
Antimony	0	600	-9.5		553	92	-5.0		550	92
Arsenic	0	100	2.6		103	103	2.9		99.9	100
Barium	0	500	1.4		478	96	1.4		475	95
Beryllium	0	500	0.014		443	89	0.056		441	88
Cadmium	0	1000	1.5		871	87	2.1		847	85
Calcium	500000	500000	460000	92	474000	95	477000	95	480000	96
Chromium	0	500	-9.1		431	86	-9.2		430	86
Cobalt	0	500	21.3		439	88	21.7		434	87
Copper	0	500	-5.8		457	91	-4.8		459	92
Iron	200000	200000	167000	84	169000	85	168000	84	168000	84
Lead	0	50.0	-6.2		40.6	81	-2.1		40.4	81
Magnesium	500000	500000	446000	89	446000	89	439000	88	439000	88
Manganese	0	500	3.6		457	91	3.6		453	91
Nickel	0	1000	27.6		851	85	28.6		840	84
Selenium	0	50.0	0.96		44.7	89	9.5		42.5	85
Silver	0	200	-7.4		193	97	-5.4		196	98
Thallium	0	100	9.3		90.7	91	6.8		87.4	87
Vanadium	0	500	-5.0		443	89	-5.4		445	89
Zinc	0	1000	8.5		867	87	7.2		838	84

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.: MF1105

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	18.0		10.2		1.1		-8.6	
Sodium	0	0.0	54.0		46.1		55.5		44	

USEPA - CLP

7-IN

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1105

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-31667**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	9100.0	9377.65	103						
Antimony	455.0	503.46	111						
Arsenic	455.0	499.14	110						
Barium	9100.0	10075.69	111						
Beryllium	227.0	250.55	110						
Cadmium	227.0	252.36	111						
Calcium	22700.0	24061.17	106						
Chromium	910.0	988.32	109						
Cobalt	2270.0	2485.54	109						
Copper	1130.0	1212.42	107						
Iron	4550.0	5019.14	110						
Lead	455.0	490.18	108						
Magnesium	22700.0	24869.72	110						
Manganese	2270.0	2480.62	109						
Nickel	2270.0	2500.53	110						
Potassium	22700.0	24563.52	108						
Selenium	455.0	504.74	111						
Silver	1130.0	1305.10	115						
Sodium	22700.0	24992.17	110						
Thallium	455.0	493.37	108						
Vanadium	2270.0	2436.76	107						
Zinc	2270.0	2493.06	110						

USEPA - CLP

8-IN

ICP_AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

MWOB-02

Lab Name: Mitkem Corporation Contract: 002699.ID09

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1105

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	9127.56		9208.98		1		P
Antimony	12.01	J	23.09	J	92		P
Arsenic	16.16		30.97	J	92		P
Barium	552.68		579.53	J	5		P
Beryllium	0.55	J	0.62	J	13		P
Cadmium	0.91	J	0.77	J	15		P
Calcium	122324.95		120229.69		2		P
Chromium	15.78		16.81	J	7		P
Cobalt	15.69	J	16.82	J	7		P
Copper	79.38		79.55	J	0		P
Iron	33923.21		35987.22		6		P
Lead	206.91		185.46		10	E	P
Magnesium	21621.85		23074.76	J	7		P
Manganese	2278.38		2420.37		6		P
Nickel	29.99	J	32.96	J	10		P
Potassium	3872.54	J	3919.59	J	1		P
Selenium	26.22	J	56.86	J	117		P
Silver	3.00	J	50.00	U	100		P
Sodium	94826.28		96879.49		2		P
Thallium	4.05	J	125.00	U	100		P
Vanadium	17.69	J	17.29	J	2		P
Zinc	279.57		321.83		15		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.: MF1105

Instrument Type: CV InstrumentID: FIMS1 Date: 10/16/2006

Preparation Method: CW1

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.: MF1105

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

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.: MF1105

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.: MF1105

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.: MF1105

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.: MF1105

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.: MF1105

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
MWOB-02	08/13/2007		100
PBW	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.: MF1105

Preparation Method: METHOD HW1 8/30/07 KM

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSW	08/13/2007		50
MWOB-02	08/13/2007		50
PBW	08/13/2007		50

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.: MF1105

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									
ZZZZZZ	1.0	1131																									
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									
ZZZZZZ	1.0	1154																									
ZZZZZZ	1.0	1155																									
ZZZZZZ	1.0	1157																									
ZZZZZZ	1.0	1158																									

USEPA - CLP

13-IN

ANALYSIS RUN LOG

Lab Name: Mitkem Corporation Contract: 002699.ID09.03

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF1105

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
ZZZZZZ	1.0	1200																										
ZZZZZZ	1.0	1201																										
ZZZZZZ	1.0	1203																										
ZZZZZZ	1.0	1204																										
CCV	1.0	1205																X										
CCB	1.0	1207																X										
ZZZZZZ	1.0	1208																										
MWOB-02	1.0	1210																X										
CRI	1.0	1211																X										
CCV	1.0	1213																X										
CCB	1.0	1214																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.: MF1105

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	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
S1	1.0	0856		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICV	1.0	0859		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICB	1.0	0906		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CRI	1.0	0909		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSA	1.0	0912		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.0	0915		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV	1.0	0918		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCB	1.0	0921		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
PBW	1.0	0924		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
LCSW	1.0	0928		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
MWOB-02	1.0	0931		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
MWOB-02L	5.0	0934		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ZZZZZZ	1.0	0937																									
CRI	1.0	0940		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSA	1.0	0943		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
ICSAB	1.0	0947		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCV	1.0	0950		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X	
CCB	1.0	0953		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.: MF1105

Instrument ID: OPTIMA3 Analysis Method: P

Start Date: 08/24/2007 End Date: 08/24/2007

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	1445																		X			X				
S1	1.0	1448																		X			X				
ICV	1.0	1450																		X			X				
ICB	1.0	1453																		X			X				
ICSA	1.0	1455																		X			X				
ICSAB	1.0	1457																		X			X				
CCV	1.0	1500																		X			X				
CCB	1.0	1502																		X			X				
PBW	1.0	1504																		X			X				
LCSW	1.0	1506																		X			X				
MWOB-02	1.0	1508																		X			X				
MWOB-02L	5.0	1511																		X			X				
ZZZZZZ	1.0	1513																										
ZZZZZZ	1.0	1515																										
ZZZZZZ	1.0	1518																										
ZZZZZZ	1.0	1520																										
ZZZZZZ	1.0	1522																										
ZZZZZZ	1.0	1525																										
CCV	1.0	1527																		X			X				
CCB	1.0	1529																		X			X				
ZZZZZZ	1.0	1532																										
ZZZZZZ	1.0	1534																										
ZZZZZZ	1.0	1536																										
ZZZZZZ	5.0	1539																										
ZZZZZZ	1.0	1541																										
ZZZZZZ	1.0	1543																										
ZZZZZZ	1.0	1546																										
ZZZZZZ	1.0	1548																										
ICSA	1.0	1550																		X			X				
ICSAB	1.0	1553																		X			X				
CCV	1.0	1555																		X			X				
CCB	1.0	1557																		X			X				

Instrument Raw Data

- [x] ICP
- [x] Mercury
- [ ] Cyanide

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	Conc.	Calib Units	Std.Dev.	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%

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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%

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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	Calib	Sample

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 120ppb Pb 0.2ppm

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.	Units	Std.Dev.	Sample Conc.	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.	Units	Std.Dev.	Sample Conc.	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%

Analysis Begun

Start Time: 8/24/2007 2:45:51 PM
Logged In Analyst: optima3
Spectrometer Model: Optima 4300 DV, S/N 077N3102302
Plasma On Time: 8/24/2007 8:27:54 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\0824B.sif
Batch ID:
Results Data Set: B07082402
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: 8/24/2007 2:45:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
K 766.490	1503.9	89.98	5.98%	[0.00]	mg/L
Na 589.592	1680.5	46.15	2.75%	[0.00]	mg/L

Sequence No.: 2
Sample ID: S1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 9
Date Collected: 8/24/2007 2:48:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
K 766.490	167731.5	1387.54	0.83%	[50]	mg/L
Na 589.592	435530.9	3202.21	0.74%	[50]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
K 766.490	1	Lin Thru 0	0.0	3355	0.00000	1.000000	
Na 589.592	1	Lin Thru 0	0.0	8711	0.00000	1.000000	

Sequence No.: 3
Sample ID: ICV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 10
Date Collected: 8/24/2007 2:50:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Sample Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
K 766.490	118830.9	35.423	mg/L✓	0.0303	35.423	mg/L	0.0303	0.09%
Na 589.592	315929.8	36.269	mg/L✓	0.0421	36.269	mg/L	0.0421	0.12%

Sequence No.: 4
Sample ID: ICB
Autosampler Location: 4
Date Collected: 8/24/2007 2:53:06 PM

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	6.3	0.0019	mg/L	0.02709	0.0019	mg/L	0.02709	>999.9%
Na 589.592	-0.8	-0.0001	mg/L	0.00127	-0.0001	mg/L	0.00127	>999.9%

Sequence No.: 5
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 5
Date Collected: 8/24/2007 2:55:26 PM
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	60.3	0.0180	mg/L	0.01811	0.0180	mg/L	0.01811	100.75%
Na 589.592	470.1	0.0540	mg/L	0.00085	0.0540	mg/L	0.00085	1.57%

Sequence No.: 6
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 6
Date Collected: 8/24/2007 2:57:47 PM
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	34.1	0.0102	mg/L	0.00121	0.0102	mg/L	0.00121	11.93%
Na 589.592	401.6	0.0461	mg/L	0.00139	0.0461	mg/L	0.00139	3.00%

Sequence No.: 7
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 8/24/2007 3:00:04 PM
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	81963.0	24.433	mg/L	0.0613	24.433	mg/L	0.0613	0.25%
Na 589.592	218476.4	25.082	mg/L	0.0154	25.082	mg/L	0.0154	0.06%

Sequence No.: 8
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 8/24/2007 3:02:24 PM
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	75.9	0.0226	mg/L	0.00308	0.0226	mg/L	0.00308	13.61%
Na 589.592	-51.2	-0.0059	mg/L	0.00060	-0.0059	mg/L	0.00060	10.13%

User canceled analysis.

Analysis Begun

Start Time: 8/24/2007 3:04:16 PM
Plasma On Time: 8/24/2007 8:27:54 AM
Logged In Analyst: optima3
Technique: ICP Continuous
Spectrometer Model: Optima 4300 DV, S/N 077N3102302Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\0824B.sif
Batch ID:
Results Data Set: B07082402
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1
Sample ID: MB-31667,31667
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 38
Date Collected: 8/24/2007 3:04:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: MB-31667,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
K 766.490	4.6	0.0014	mg/L✓	0.01148	0.0014	mg/L	0.01148	844.37%
Na 589.592	-238.5	-0.0274	mg/L✓	0.00807	-0.0274	mg/L	0.00807	29.48%

Sequence No.: 2
Sample ID: LCS-31667,31667
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 39
Date Collected: 8/24/2007 3:06:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCS-31667,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
K 766.490	82401.5	24.564	mg/L✓	0.0081	24.564	mg/L	0.0081	0.03%
Na 589.592	217697.2	24.992	mg/L✓	0.0171	24.992	mg/L	0.0171	0.07%

Sequence No.: 3
Sample ID: F1105-01B,31667
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 40
Date Collected: 8/24/2007 3:08:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1105-01B,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
K 766.490	12990.9	3.8725	mg/L -	0.09465	3.8725	mg/L	0.09465	2.44%
Na 589.592	825995.5	94.826	mg/L -	0.0618	94.826	mg/L	0.0618	0.07%

Sequence No.: 4
Sample ID: F1105-01BSD,31667
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 14
Date Collected: 8/24/2007 3:11:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1105-01BSD,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
K 766.490	2629.8	0.7839	mg/L	0.07109	0.7839	mg/L	0.07109	9.07%
Na 589.592	168776.0	19.376	mg/L	0.2161	19.376	mg/L	0.2161	1.12%

Sequence No.: 5
Autosampler Location: 15

Sample ID: F1078-01B,31667
Analyst:
Initial Sample Wt:
Dilution:
Date Collected: 8/24/2007 3:13:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1078-01B,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	7627.6	2.2738	mg/L	0.02671	2.2738	mg/L	0.02671	1.17%
Na 589.592	243184.9	27.918	mg/L	0.1677	27.918	mg/L	0.1677	0.60%

Sequence No.: 6
Sample ID: F1078-02B,31667
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 41
Date Collected: 8/24/2007 3:15:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1078-02B,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	7910.4	2.3580	mg/L	0.00489	2.3580	mg/L	0.00489	0.21%
Na 589.592	238658.4	27.399	mg/L	0.1198	27.399	mg/L	0.1198	0.44%

Sequence No.: 7
Sample ID: F1078-03B,31667
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 42
Date Collected: 8/24/2007 3:18:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1078-03B,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	10836.4	3.2303	mg/L	0.04346	3.2303	mg/L	0.04346	1.35%
Na 589.592	34221.0	3.9287	mg/L	0.02200	3.9287	mg/L	0.02200	0.56%

Sequence No.: 8
Sample ID: F1078-04B,31667
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 43
Date Collected: 8/24/2007 3:20:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1078-04B,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	13724.4	4.0912	mg/L	0.00900	4.0912	mg/L	0.00900	0.22%
Na 589.592	54771.1	6.2879	mg/L	0.01036	6.2879	mg/L	0.01036	0.16%

Sequence No.: 9
Sample ID: F1078-06B,31667
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 44
Date Collected: 8/24/2007 3:22:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1078-06B,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	140774.4	41.964	mg/L	0.4789	41.964	mg/L	0.4789	1.14%
Na 589.592	318611.0	36.577	mg/L	0.4455	36.577	mg/L	0.4455	1.22%

Sequence No.: 10
Sample ID: F1078-07B,31667
Autosampler Location: 45
Date Collected: 8/24/2007 3:25:13 PM

Analyst:
Initial Sample Wt:
Dilution:
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1078-07B,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	269580.4	80.361	mg/L	1.1959	80.361	mg/L	1.1959	1.49%
Na 589.592	332615.3	38.185	mg/L	0.5241	38.185	mg/L	0.5241	1.37%

Sequence No.: 11
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 8/24/2007 3:27:34 PM
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	82201.9	24.504	mg/L✓	0.0491	24.504	mg/L	0.0491	0.20%
Na 589.592	218609.4	25.097	mg/L✓	0.1099	25.097	mg/L	0.1099	0.44%

Sequence No.: 12
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 8/24/2007 3:29:54 PM
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	109.5	0.0326	mg/L✓	0.00921	0.0326	mg/L	0.00921	28.23%
Na 589.592	-16.6	-0.0019	mg/L✓	0.00944	-0.0019	mg/L	0.00944	494.18%

Sequence No.: 13
Sample ID: F1078-08B,31667
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 46
Date Collected: 8/24/2007 3:32:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1078-08B,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	29939.8	8.9249	mg/L	0.03622	8.9249	mg/L	0.03622	0.41%
Na 589.592	41144.6	4.7235	mg/L	0.01130	4.7235	mg/L	0.01130	0.24%

Sequence No.: 14
Sample ID: F1078-09B,31667
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 47
Date Collected: 8/24/2007 3:34:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: F1078-09B,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	7166.3	2.1362	mg/L	0.03424	2.1362	mg/L	0.03424	1.60%
Na 589.592	61384.5	7.0471	mg/L	0.02125	7.0471	mg/L	0.02125	0.30%

Sequence No.: 15
Sample ID: F1078-09BDUP,31667
Analyst:
Autosampler Location: 48
Date Collected: 8/24/2007 3:36:54 PM
Data Type: Original

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: F1078-09BDUP,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	7217.0	2.1513	mg/L	0.01430	2.1513	mg/L	0.01430	0.66%
Na 589.592	61830.9	7.0983	mg/L	0.08488	7.0983	mg/L	0.08488	1.20%

==========

Sequence No.: 16 Autosampler Location: 49
Sample ID: F1078-09BSD,31667 Date Collected: 8/24/2007 3:39:15 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: F1078-09BSD,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	1381.1	0.4117	mg/L	0.00356	0.4117	mg/L	0.00356	0.86%
Na 589.592	12001.5	1.3778	mg/L	0.02233	1.3778	mg/L	0.02233	1.62%

==========

Sequence No.: 17 Autosampler Location: 50
Sample ID: F1078-10B,31667 Date Collected: 8/24/2007 3:41:36 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: F1078-10B,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	7195.8	2.1450	mg/L	0.02852	2.1450	mg/L	0.02852	1.33%
Na 589.592	61364.4	7.0448	mg/L	0.03277	7.0448	mg/L	0.03277	0.47%

==========

Sequence No.: 18 Autosampler Location: 51
Sample ID: F1078-11B,31667 Date Collected: 8/24/2007 3:43:55 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: F1078-11B,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	11604.3	3.4592	mg/L	0.06684	3.4592	mg/L	0.06684	1.93%
Na 589.592	141832.2	16.283	mg/L	0.1823	16.283	mg/L	0.1823	1.12%

==========

Sequence No.: 19 Autosampler Location: 52
Sample ID: F1078-12B,31667 Date Collected: 8/24/2007 3:46:14 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: F1078-12B,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
K 766.490	4475.4	1.3341	mg/L	0.02767	1.3341	mg/L	0.02767	2.07%
Na 589.592	66758.1	7.6640	mg/L	0.00313	7.6640	mg/L	0.00313	0.04%

==========

Sequence No.: 20 Autosampler Location: 53
Sample ID: F1078-13B,31667 Date Collected: 8/24/2007 3:48:34 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:

Dilution: Sample Prep Vol:

Mean Data: F1078-13B,31667

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
K 766.490	19151.3	5.7089	mg/L	0.07020	5.7089	mg/L	0.07020	1.23%
Na 589.592	347214.8	39.861	mg/L	0.3534	39.861	mg/L	0.3534	0.89%

==========

Sequence No.: 21 Autosampler Location: 5
Sample ID: ICSA Date Collected: 8/24/2007 3:50:54 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: 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	3.6	0.0011	mg/L	0.00138	0.0011	mg/L	0.00138	126.88%
Na 589.592	483.4	0.0555	mg/L	0.00793	0.0555	mg/L	0.00793	14.29%

==========

Sequence No.: 22 Autosampler Location: 6
Sample ID: ICSAB Date Collected: 8/24/2007 3:53:15 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: 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	-29.0	-0.0086	mg/L	0.02672	-0.0086	mg/L	0.02672	309.27%
Na 589.592	383.3	0.0440	mg/L	0.00066	0.0440	mg/L	0.00066	1.50%

==========

Sequence No.: 23 Autosampler Location: 3
Sample ID: CCV Date Collected: 8/24/2007 3:55:32 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: 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	82709.9	24.655	mg/L	0.1469	24.655	mg/L	0.1469	0.60%
Na 589.592	221108.5	25.384	mg/L	0.1980	25.384	mg/L	0.1980	0.78%

==========

Sequence No.: 24 Autosampler Location: 4
Sample ID: CCB Date Collected: 8/24/2007 3:57:52 PM
Analyst: Data Type: Original
Initial Sample Wt: 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
K 766.490	54.3	0.0162	mg/L	0.01316	0.0162	mg/L	0.01316	81.34%
Na 589.592	-41.2	-0.0047	mg/L	0.00536	-0.0047	mg/L	0.00536	113.42%

==========

Sequence No.: 25 Autosampler Location: 54
Sample ID: F1078-15C,31667 Date Collected: 8/24/2007 4:00:12 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

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

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

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

Sample ID: F1078-15C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.02	0.02	-0.0002	0.0016	0.0003	11:59:38	Yes
2	0.03	0.03	-0.0002	0.0023	0.0004	12:00:10	Yes
Mean:	0.03	0.03	-0.0002				
SD :	0.004	0.004	0.0000				
%RSD:	13.4	13.4	22.2417				

Element: Hg Seq. No.: 34 AS Loc.: 38 Date: 08/14/2007
Sample ID: F1078-16C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.05	0.05	0.0000	0.0034	0.0006	12:01:03	Yes
2	0.04	0.04	-0.0001	0.0022	0.0005	12:01:36	Yes
Mean:	0.04	0.04	0.0000				
SD :	0.007	0.007	0.0001				
%RSD:	16.2	16.2	510.1567				

Element: Hg Seq. No.: 35 AS Loc.: 39 Date: 08/14/2007
Sample ID: F1078-17C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.03	0.03	-0.0002	0.0015	0.0004	12:02:29	Yes
2	0.03	0.03	-0.0002	0.0011	0.0003	12:03:01	Yes
Mean:	0.03	0.03	-0.0002				
SD :	0.000	0.000	0.0000				
%RSD:	1.3	1.3	1.7771				

Element: Hg Seq. No.: 36 AS Loc.: 40 Date: 08/14/2007
Sample ID: F1078-18C

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	0.0003	12:03:54	Yes
2	0.02	0.02	-0.0003	0.0009	0.0003	12:04:26	Yes
Mean:	0.02	0.02	-0.0003				
SD :	0.000	0.000	0.0000				
%RSD:	1.3	1.3	1.2648				

Element: Hg Seq. No.: 37 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	4.25	4.25	0.0502	0.2737	0.0507	12:05:20	Yes
2	4.17	4.17	0.0493	0.2677	0.0498	12:05:52	Yes
Mean:	4.21	4.21	0.0497				
SD :	0.053	0.053	0.0006				
%RSD:	1.3	1.3	1.2736				

QC value within specified limits.

Element: Hg Seq. No.: 38 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	0.0019	0.0005	12:06:47	Yes
2	0.04	0.04	-0.0001	0.0023	0.0005	12:07:19	Yes

Mean:	0.04	0.04	-0.0001
SD :	0.001	0.001	0.0000
%RSD:	2.1	2.1	13.3625

QC value within specified limits.

Element: Hg Seq. No.: 39 AS Loc.: 41 Date: 08/14/2007
Sample ID: F1078-20C

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.05	0.05	0.0001	0.0025	0.0006	12:08:14	Yes
2	0.05	0.05	0.0001	0.0029	0.0006	12:08:46	Yes
Mean:	0.05	0.05	0.0001				
SD :	0.000	0.000	0.0000				
%RSD:	0.9	0.9	9.7793				

Element: Hg Seq. No.: 40 AS Loc.: 42 Date: 08/14/2007
Sample ID: F1105-01B

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.20	0.20	0.0019	0.0132	0.0025	12:09:39	Yes
2	0.20	0.20	0.0018	0.0131	0.0024	12:10:11	Yes
Mean:	0.20	0.20	0.0019				
SD :	0.005	0.005	0.0001				
%RSD:	2.4	2.4	3.0702				

Element: Hg Seq. No.: 41 AS Loc.: 43 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	0.0133	0.0026	12:11:04	Yes
2	0.21	0.21	0.0020	0.0132	0.0026	12:11:36	Yes
Mean:	0.21	0.21	0.0020				
SD :	0.001	0.001	0.0000				
%RSD:	0.4	0.4	0.4518				

Element: Hg Seq. No.: 42 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	4.27	4.27	0.0504	0.2737	0.0510	12:12:29	Yes
2	4.23	4.23	0.0499	0.2687	0.0505	12:13:01	Yes
Mean:	4.25	4.25	0.0502				
SD :	0.030	0.030	0.0004				
%RSD:	0.7	0.7	0.7244				

QC value within specified limits.

Element: Hg Seq. No.: 43 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	0.0008	0.0005	12:13:56	Yes
2	0.04	0.04	0.0000	0.0020	0.0006	12:14:29	Yes
Mean:	0.04	0.04	0.0000				
SD :	0.004	0.004	0.0000				
%RSD:	9.6	9.6	119.6849				

QC value within specified limits.

Prep Logbooks

- [x] ICP
- [x] Mercury
- [ ] Cyanide
- [ ] Percent Solids

ICM 3.5 A1 10.30

MITKEM CORPORATION: Aqueous Metals Preparation Logbook

F1105

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		NJ
	LCS			50	–	colorless	clear				colorless	clear	50		
	F1025	02B	OTM1-RB	50	<2	colorless	clear				colorless	clear	50		
	F1078	01B	OTM1-MWBR-6	50	<2	colorless	clear ~~cloudy~~				colorless	clear	50		
		02B	OTM1-MWBR-6D	50	<2	Colorless ~~grey~~	clear				colorless	clear	50		
		03B	OTM1-MWBR-3	50	<2	grey	cloudy				colorless	cloudy	50		
		04B	OTM1-MWBR-1	50	<2	grey	cloudy				colorless	cloudy	50		
		~~05B~~		~~50~~	NS 8/13/07						colorless	clear	50		
		06B	OTM1-MW1-1	50	<2	Brown	cloudy				light brown	cloudy	50		
		07B	OTM1-MWBR-5	50	<2	grey	clear				colorless	cloudy	50		
		08B	OTM1-MWBR4	50	<2	grey	cloudy				light brown	cloudy	50		
		09B	OTM1-MWBR-9	50	<2	colorless	clear				colorless	clear	50		
		09BDUP	OTM1-MWBR-9	50	<2	colorless	clear				colorless	clear	50		
		09BMS	OTM1-MWBR-9	50	<2	colorless	clear				colorless	clear	50		
		10B	OTM1-MWBR-9A	50	<2	colorless	clear				colorless	clear	50		
8/13/07	F1078	11B	OTM1-MW1-4	50	<2	brown	cloudy	0.5	2.5	–	colorless	clear	50		NJ

HCl Lot# 4107040

HNO3 Lot# 110612

Method: ICM 5.3

Digestion Temp: 95 oC

LCSS/Spike ID: I070633N - 450ul / I070501A; I060925E - 450ul / I070122E; I060925F / I070122F } 500ul

SOP#: _____

Digestate Relinquished to: JMS 8/17/07

Logbook ID 100.0125 -07/07

REVIEWED BY: _____

IIm 5.3 Ag

MITKEM CORPORATION: Aqueous Metals Preparation Logbook

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	F1078	13B	OTM1-MW1-2	50	<2	colorless	clear	0.5	2.5	-	colorless	clear	50		NS
		13B	OTM1-MW1-5	50	<2	brown	cloudy				light brown	cloudy	50		
		15C	OTM1-MWBR-10	50	<2	colorless	clear				colorless	clear	50		
		16C	OTM1-MWBR-11	50	<2	grey	cloudy				colorless	cloudy	50		
		17C	OTM1-MWBR-8	50	<2	colorless	clear				colorless	clear	50		
		18C	OTM1-MWBR-7	50	<2	colorless	clear				colorless	clear	50		
	F1078	20C	OTM1-MWBR-11	50	<2	yellow	cloudy				pale yellow	cloudy	50		
8/13/07	F1105	01B	OTM1-MW08-02	50	<2	brown	cloudy	0.5	2.5	-	pale yellow	cloudy	50		NS

NS 8/13/07

HCl Lot# 410 7040

HNO3 Lot# 110610+

Method: IIm 5.3

Digestion Temp: 95 oC

LCSS/Spike ID:

See pg. 61

SOP#:

Digestate Relinquished to: UPW 8/17/07

Logbook ID 100.0125 -07/07

REVIEWED BY:

ILM 5.3 Ag

MITKEM CORPORATION: Mercury Digestion Logbook

F1105

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 0.5			0.5/100						100	II070730A	
	320	S 1.0			1.0/100						100		
	313	S 2.0			2.0/100						100		
	208	S 5.0			5.0/100						100		
	73XY	S 10.0			10.0/100						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		02B	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	05B	OTM1-MWBR-4	100	5	2.5	15	8	—	100		NJ

Waters
In: 13:05
Out: 15:05
Matrix: Aqueous

Soils
In: _____ Out: _____
In: N/A Out: _____
Matrix: Soil/Solid

LCSS ID: —
LCSS volume: —
Spike ID: II070730A
Spike volume: 400 ul

Temp: 95 °C
H_2SO_4 Lot # 31061L0
HNO_3 Lot # 1106H2
HCl Lot # —
KMnO4 ID # IR07072404
K2S2O8 ID# IR07072407
Method # ILM 5.3 Ag

RELINQUISHED TO: JMW 8/13/07

Reviewed by: _____

ILM 5.3 Aq

MITKEM CORPORATION: Mercury Digestion Logbook

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	125N	F1078	09B	OTMI-MWBR-9	100	5	2.5	15	8	—	100		NJ
	252		09BDUP	OTMI-MWBR-9	100						100		
	3230		09BMS	OTMI-MWBR-9	100						100		
	246		10B	OTMI-MWBR-9A	100						100		
	14F2		11B	OTMI-MW1-4	100						100		
	325		12B	OTMI-MW1-2	100						100		
	331		13B	OTMI-MW1-5	100						100		
	3337		15C	OTMI-MW13R-10	100						100		
	231		16C	OTMI-MWBR-13	100						100		
	10		17C	OTMI-MWBR-8	100						100		
	323Δ	↓	18C	OTMI-MWBR-7	100						100		
↓	92 XY	F1078	20C	OTMI-MWBR-11	100	↓	↓	↓	↓	↓	100		↓
8/13/07	12	F1105	01B	OTMI-MW08-02	100	5	2.5	15	8	—	100		NJ

NJ 8/13/07

Waters
In: 13:05
Out: 15:05
Matrix: Aqueous

Soils
In: _____ Out: _____
In: _____ N/A Out: _____
Matrix: Soil/Solid

LCSS ID _____
LCSS volume: _____
Spike ID See pg 38
Spike volume: _____

Temp: 95 °C

H_2SO_4 Lot # _____
HNO_3 Lot # _____
HCl Lot # See pg 38
KMnO4 ID # _____
K2S2O8 ID# _____
Method # _____

RELINQUISHED TO: JMW 8/13/07

Reviewed by: _____

Last Page of Data Report