Mitkem Corporation

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

Project Name : Old Troy Landfill -- 002699.ID09.03 **SDG :** F0895

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
SW01	F0895-01	OLM4.2_VOA_W				SEE DATA
SW02	F0895-02	OLM4.2_VOA_W				SEE DATA
SW03	F0895-03	OLM4.2_VOA_W				SEE DATA
SW04	F0895-04	OLM4.2_VOA_W				SEE DATA
SW05	F0895-05	OLM4.2_VOA_W				SEE DATA
SW07	F0895-06	OLM4.2_VOA_W				SEE DATA
TB01	F0895-07	OLM4.2_VOA_W				
SW04/O	F0895-08	OLM4.2_VOA_W				SEE DATA

Mitkem Corporation

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

Project Name : Old Troy Landfill -- 002699.ID09.03 **SDG :** F0895

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_VOA_W					
F0895-01A	AQ	6/27/2007	6/28/2007	NA	6/30/2007
F0895-02A	AQ	6/27/2007	6/28/2007	NA	6/30/2007
F0895-02AMS	AQ	6/27/2007	6/28/2007	NA	6/30/2007
F0895-02AMSD	AQ	6/27/2007	6/28/2007	NA	6/30/2007
F0895-03A	AQ	6/27/2007	6/28/2007	NA	6/30/2007
F0895-04A	AQ	6/27/2007	6/28/2007	NA	6/30/2007
F0895-05A	AQ	6/27/2007	6/28/2007	NA	6/30/2007
F0895-06A	AQ	6/27/2007	6/28/2007	NA	6/30/2007
F0895-07A	AQ	6/27/2007	6/28/2007	NA	6/30/2007
F0895-08A	AQ	6/27/2007	6/28/2007	NA	6/30/2007

Mitkem Corporation

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

Project Name : Old Troy Landfill -- 002699.ID09.03 **SDG :** F0895

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLM4.2_VOA_W					
F0895-01A	AQ	OLM4.2_VOA_W	NA	LOW	1
F0895-02A	AQ	OLM4.2_VOA_W	NA	LOW	1
F0895-02AMS	AQ	OLM4.2_VOA_W	NA	LOW	1
F0895-02AMSD	AQ	OLM4.2_VOA_W	NA	LOW	1
F0895-03A	AQ	OLM4.2_VOA_W	NA	LOW	1
F0895-04A	AQ	OLM4.2_VOA_W	NA	LOW	1
F0895-05A	AQ	OLM4.2_VOA_W	NA	LOW	1
F0895-06A	AQ	OLM4.2_VOA_W	NA	LOW	1
F0895-07A	AQ	OLM4.2_VOA_W	NA	LOW	1
F0895-08A	AQ	OLM4.2_VOA_W	NA	LOW	1

Analytical Data Package for Ecology & Environment, Inc.

Client Project No.: Old Troy Municipal Incinerator Site

Mitkem Work Order ID: F0895

July 25, 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 eight aqueous samples that were received on June 28, 2007. Analyses were performed per specifications in the project's contract and the chain of custody form. Following the narrative is a table of sample identification for cross-referencing full client sample ID, shortened client sample ID and laboratory sample ID, along with the Mitkem Work Order.

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

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

1. Overall observation:

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

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

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

2. Volatile Analysis:

Trap used for instruments V2: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

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

Aqueous samples were not acid preserved, pH ~7.

Surrogate recovery: recoveries were within the QC limits.

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

Matrix spike/ matrix spike duplicate: duplicate analyses were performed on sample SW02. Spike and replicate RPDs recoveries were within the QC limits.

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

3. Cyanide Analysis:

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

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

Matrix spike: matrix spike was performed on sample SW02. Spike recovery was within the QC limits.

Duplicate: duplicate analysis was performed on sample SW02. Replicate RPD was within the QC limits.

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

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

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

Shirley Ng

Shirley Ng
Project Manager
5/22/07

*Mitkem and Client Sample ID Summary Report**

Mitkem Workorder: F0895

Client Name: Ecology and Environm

Mitkem Sample ID	*Reported Client Sample ID*	*Full Client Sample ID*
F0895-01A	SW01	OTMI-SW01
F0895-01B	SW01	OTMI-SW01
F0895-02A	SW02	OTMI-SW02
F0895-02B	SW02	OTMI-SW02
F0895-03A	SW03	OTMI-SW03
F0895-03B	SW03	OTMI-SW03
F0895-04A	SW04	OTMI-SW04
F0895-04B	SW04	OTMI-SW04
F0895-05A	SW05	OTMI-SW05
F0895-05B	SW05	OTMI-SW05
F0895-06A	SW07	OTMI-SW07
F0895-06B	SW07	OTMI-SW07
F0895-07A	TB01	OTMI-TB01
F0895-08A	SW04/O	OTMI-SW04/O
F0895-08B	SW04/O	OTMI-SW04/O

** 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

28/Jun/07 11:38

WorkOrder: F0895

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

Case:
SDG:
PO: 002699.ID09.03

Report Level: ASP-B
EDD: EQUIIS_GZA
HC Due: 07/26/07
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F0895-01A	SW01	06/27/2007 14:47	06/28/2007	Aqueous	OLM4.2_VOA_W	OLM, NYS-Add LCS	☐	☐	☐	VOA
F0895-01B	SW01	06/27/2007 14:47	06/28/2007	Aqueous	ILM5.3_CN_W		☐	☐	☐	L4
F0895-02A	SW02	06/27/2007 13:30	06/28/2007	Aqueous	OLM4.2_VOA_W	OLM, NYS-Add LCS	☐	☑	☐	VOA
F0895-02B	SW02	06/27/2007 13:30	06/28/2007	Aqueous	ILM5.3_CN_W		☐	☑	☐	L4
F0895-03A	SW03	06/27/2007 14:04	06/28/2007	Aqueous	OLM4.2_VOA_W	OLM, NYS-Add LCS	☐	☐	☐	VOA
F0895-03B	SW03	06/27/2007 14:04	06/28/2007	Aqueous	ILM5.3_CN_W		☐	☐	☐	L4
F0895-04A	SW04	06/27/2007 14:21	06/28/2007	Aqueous	OLM4.2_VOA_W	OLM, NYS-Add LCS	☐	☐	☐	VOA
F0895-04B	SW04	06/27/2007 14:21	06/28/2007	Aqueous	ILM5.3_CN_W		☐	☐	☐	L4
F0895-05A	SW05	06/27/2007 15:44	06/28/2007	Aqueous	OLM4.2_VOA_W	OLM, NYS-Add LCS	☐	☐	☐	VOA
F0895-05B	SW05	06/27/2007 15:44	06/28/2007	Aqueous	ILM5.3_CN_W		☐	☐	☐	L4

Client Rep: Shirley S Ng

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

Case:
SDG:
PO: 002699.ID09.03

Report Level: ASP-B
EDD: EQUIIS_GZA
HC Due: 07/26/07
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F0895-06A	SW07	06/27/2007 14:21	06/28/2007	Aqueous	OLM4.2_VOA_W	OLM, NYS-Add LCS	☐	☐	☐	VOA
F0895-06B	SW07	06/27/2007 14:21	06/28/2007	Aqueous	ILM5.3_CN_W		☐	☐	☐	L4
F0895-07A	TB01	06/27/2007 15:55	06/28/2007	Aqueous	OLM4.2_VOA_W	OLM, NYS-Add LCS	☐	☐	☐	VOA
F0895-08A	SW04/O	06/27/2007 14:21	06/28/2007	Aqueous	OLM4.2_VOA_W	OLM, NYS-Add LCS	☐	☐	☐	VOA
F0895-08B	SW04/O	06/27/2007 14:21	06/28/2007	Aqueous	ILM5.3_CN_W		☐	☐	☐	L4

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

Page 1 of 1

REPORT TO		INVOICE TO		
COMPANY Ecology + Environment	PHONE 716/684-8060	COMPANY Ecology + Environmental Engineering, P.C.	PHONE 716-684-8060	LAB PROJECT #: F0895
NAME Jon Nickerson	FAX 716/684-0844	NAME ~~Bill~~ Accounts Payable	FAX 716-684-0844	
ADDRESS 368 Pleasant View Drive		ADDRESS 368 Pleasant View Drive		TURNAROUND TIME: STD. per Contract
CITY/ST/ZIP Lancaster NY 14086		CITY/ST/ZIP Lancaster, NY 14086		

CLIENT PROJECT NAME: Old Troy Municipal Incinerator Site Assessment

CLIENT PROJECT #: 002699.1009.03

CLIENT P.O.#:

REQUESTED ANALYSES: VOA (624.1) | CYANIDE (335.3)

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	VOA	CYANIDE	COMMENTS
OTMI-SW01	6/27/ 14:47		✓	X			01	3	X	X	
OTMI-SW02	6/27/ 13:30		✓	X			02	9	X	X	
OTMI-SW03	6/27/ 14:04		✓	X			03	3	X	X	
OTMI-SW04	6/27/ 14:21		✓	X			04	3	X	X	
OTMI-SW05	6/27/ 15:44		✓	X			05	3	X	X	
OTMI-SW07	6/27/ 14:21		✓	X			06	3	X	X	
OTMI-TB01	6/27/ 15:55		✓	X			07	2	X	-	
OTMI-SW04/0	6/27/ 14:21		✓	X			08	3	X	X	
	/										
	/										
	/										
	/										

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	Jon Nickerson	16:02 / 6/27/07	[illegible]	6/28/07 9:00	CYANIDE VOLUMES PRESERVED WITH NaOH	5°
		/		/		
		/		/		

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

MITKEM CORPORATION
Sample Condition Form

Page 1 of 1

Received By:	Reviewed By:	Date:	MITKEM Workorder #:
Client Project:		Client:	

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

1) Cooler Sealed — Yes / No

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

3) Custody Seal Number(s)

4) Chain-of-Custody — Present / Absent

5) Cooler Temperature

Coolant Condition

6) Airbill(s) — Present / Absent

Airbill Number(s)

7) Sample Bottles — Intact/Broken/Leaking

8) Date Received

9) Time Received

Preservative Name/Lot No:

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.: MF0895

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKI2	103	98	101		0
02	VH2LCS	105	96	102		0
03	SW01	102	95	100		0
04	SW02	100	96	105		0
05	SW02MS	104	92	104		0
06	SW02MSD	106	88	106		0
07	SW03	101	95	101		0
08	SW04	104	94	100		0
09	SW05	104	95	103		0
10	SW07	104	94	101		0
11	TB01	104	92	103		0
12	SW04/O	105	95	99		0
13	VHBLKH2	103	94	101		0
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

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

Column to be used to flag recovery values

* Values outside of contract required QC limits

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix Spike - EPA Sample No.: SW02

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	45	90	61-145
Trichloroethene	50	0.0	42	84	71-120
Benzene	50	0.0	45	90	76-127
Toluene	50	0.0	45	90	76-125
Chlorobenzene	50	0.0	45	90	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	49	98	9	14	61-145
Trichloroethene	50	46	92	9	14	71-120
Benzene	50	50	100	11	11	76-127
Toluene	50	51	102	13	13	76-125
Chlorobenzene	50	49	98	9	13	75-130

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

* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix Spike - Sample No.: VH2LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		43	86	61-145
Benzene	50		43	86	76-127
Trichloroethene	50		40	80	71-120
Toluene	50		42	84	76-125
Chlorobenzene	50		42	84	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.

VBLKI2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Lab File ID: V2J7332 Lab Sample ID: MB-30902

Date Analyzed: 06/30/07 Time Analyzed: 0752

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	VH2LCS	LCS-30902	V2J7333	0821
02	SW01	F0895-01A	V2J7336	0945
03	SW02	F0895-02A	V2J7337	1013
04	SW02MS	F0895-02AMS	V2J7338	1041
05	SW02MSD	F0895-02AMSD	V2J7339	1109
06	SW03	F0895-03A	V2J7340	1137
07	SW04	F0895-04A	V2J7341	1205
08	SW05	F0895-05A	V2J7342	1234
09	SW07	F0895-06A	V2J7343	1302
10	TB01	F0895-07A	V2J7344	1330
11	SW04/O	F0895-08A	V2J7345	1359
12	VHBLKH2	VHBLKH2	V2J7349	1552
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS: _____

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Lab File ID: V2J7324 BFB Injection Date: 06/30/07

Instrument ID: V2 BFB Injection Time: 0406

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	30.0
75	30.0 - 66.0% of mass 95	56.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	71.0
175	4.0 - 9.0% of mass 174	4.9 (6.9)1
176	93.0 - 101.0% of mass 174	68.7 (96.7)1
177	5.0 - 9.0% of mass 176	4.4 (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	VSTD010H2	VSTD010H2	V2J7325	06/30/07	0435
02	VSTD020H2	VSTD020H2	V2J7326	06/30/07	0503
03	VSTD050H2	VSTD050H2	V2J7327	06/30/07	0531
04	VSTD100H2	VSTD100H2	V2J7328	06/30/07	0600
05	VSTD200H2	VSTD200H2	V2J7329	06/30/07	0628
06	VBLKI2	MB-30902	V2J7332	06/30/07	0752
07	VH2LCS	LCS-30902	V2J7333	06/30/07	0821
08	SW01	F0895-01A	V2J7336	06/30/07	0945
09	SW02	F0895-02A	V2J7337	06/30/07	1013
10	SW02MS	F0895-02AMS	V2J7338	06/30/07	1041
11	SW02MSD	F0895-02AMSD	V2J7339	06/30/07	1109
12	SW03	F0895-03A	V2J7340	06/30/07	1137
13	SW04	F0895-04A	V2J7341	06/30/07	1205
14	SW05	F0895-05A	V2J7342	06/30/07	1234
15	SW07	F0895-06A	V2J7343	06/30/07	1302
16	TB01	F0895-07A	V2J7344	06/30/07	1330
17	SW04/O	F0895-08A	V2J7345	06/30/07	1359
18	VHBLKH2	VHBLKH2	V2J7349	06/30/07	1552
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.: MF0895

EPA Sample No. (VSTD050##): VSTD050H2 Date Analyzed: 06/30/07

Lab File ID (Standard): V2J7327 Time Analyzed: 0531

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	184812	5.56	1058454	6.69	939010	10.31
	UPPER LIMIT	369624	6.06	2116908	7.19	1878020	10.81
	LOWER LIMIT	92406	5.06	529227	6.19	469505	9.81
	EPA SAMPLE						
01	VBLKI2	236144	5.57	1282063	6.70	1138524	10.31
02	VH2LCS	203475	5.56	1084039	6.69	977655	10.31
03	SW01	226690	5.57	1225449	6.70	1097122	10.31
04	SW02	206419	5.56	1136837	6.69	1014221	10.31
05	SW02MS	198362	5.57	1073314	6.70	946018	10.31
06	SW02MSD	189078	5.57	1019528	6.70	860739	10.31
07	SW03	225292	5.57	1200858	6.70	1088038	10.31
08	SW04	227434	5.57	1188304	6.69	1089484	10.31
09	SW05	219581	5.57	1195760	6.70	1075590	10.32
10	SW07	227839	5.56	1202465	6.69	1091138	10.31
11	TB01	211019	5.56	1156188	6.69	1055801	10.31
12	SW04/O	221446	5.57	1186152	6.70	1045922	10.32
13	VHBLKH2	216203	5.57	1183657	6.70	1076819	10.31
14							
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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7336

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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.

SW01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7336

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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

SW01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7336

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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

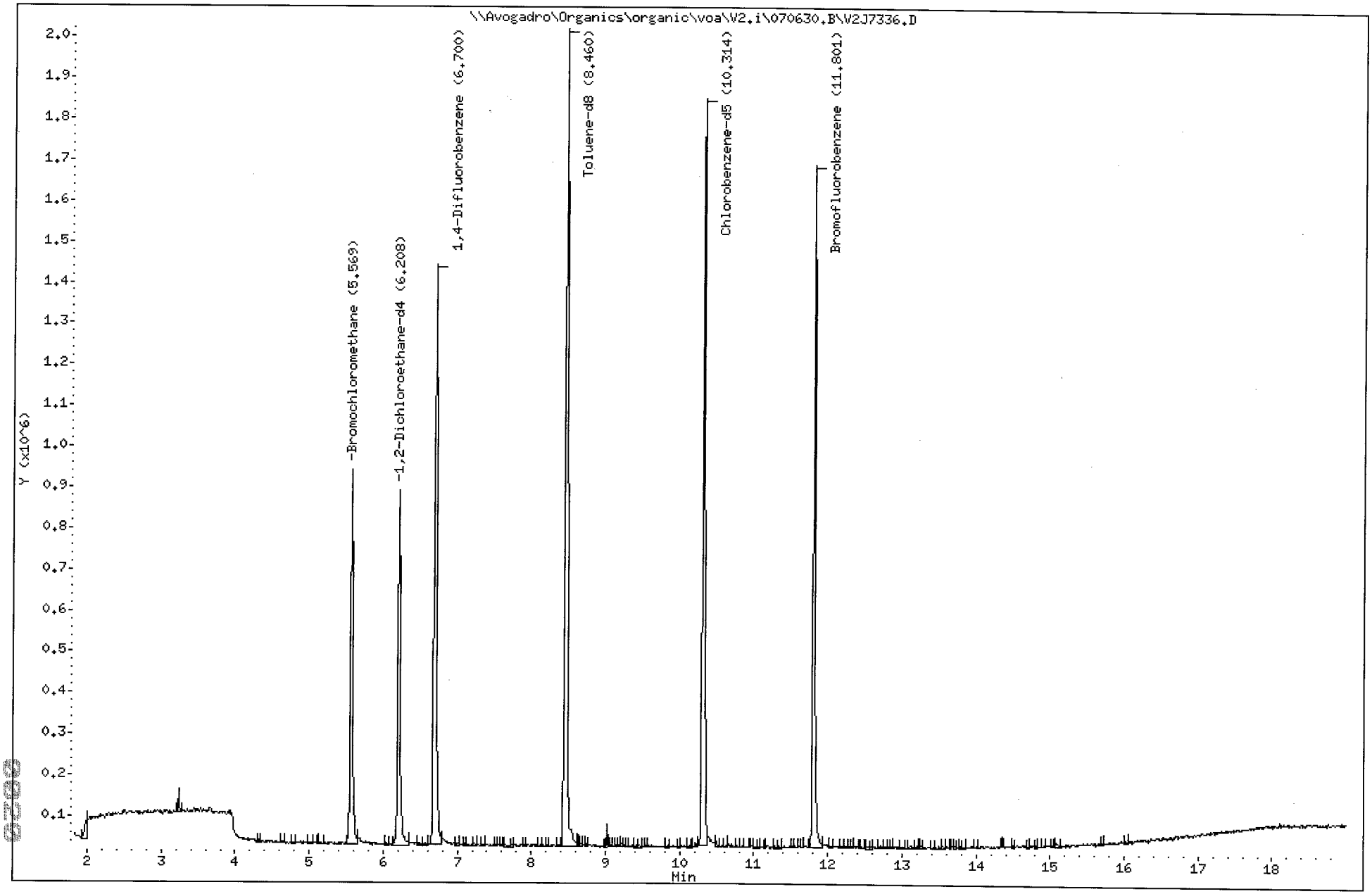
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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\070630.B\V2J7336.D
Date : 30-JUN-2007 09:45
Client ID: SW01
Sample Info: 5ML,F0895-01A,,30902
Purge Volume: 5.0
Column phase: DB-624

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



Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7336.D
Report Date: 11-Jul-2007 10:28

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7336.D
Lab Smp Id: F0895-01A Client Smp ID: SW01
Inj Date : 30-JUN-2007 09:45
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,F0895-01A,,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.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)	FINAL (ug/L)
* 18 Bromochloromethane	128	5.569	5.559	(1.000)	226690	50.0000	
$ 23 1,2-Dichloroethane-d4	65	6.208	6.198	(1.115)	791403	49.9356	50
* 26 1,4-Difluorobenzene	114	6.700	6.690	(1.000)	1225449	50.0000	
$ 33 Toluene-d8	98	8.459	8.450	(0.820)	1444432	51.1550	51
* 42 Chlorobenzene-d5	117	10.313	10.314	(1.000)	1097122	50.0000	
$ 50 Bromofluorobenzene	95	11.801	11.802	(1.144)	614157	47.3738	47

WC 07/11/07

KL

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7336.D
Report Date: 11-Jul-2007 10:28

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7336.D
Lab Smp Id: F0895-01A Client Smp ID: SW01
Inj Date : 30-JUN-2007 09:45
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,F0895-01A,,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.D
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW02

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7337

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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.

SW02

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7337

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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

SW02

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7337

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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

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

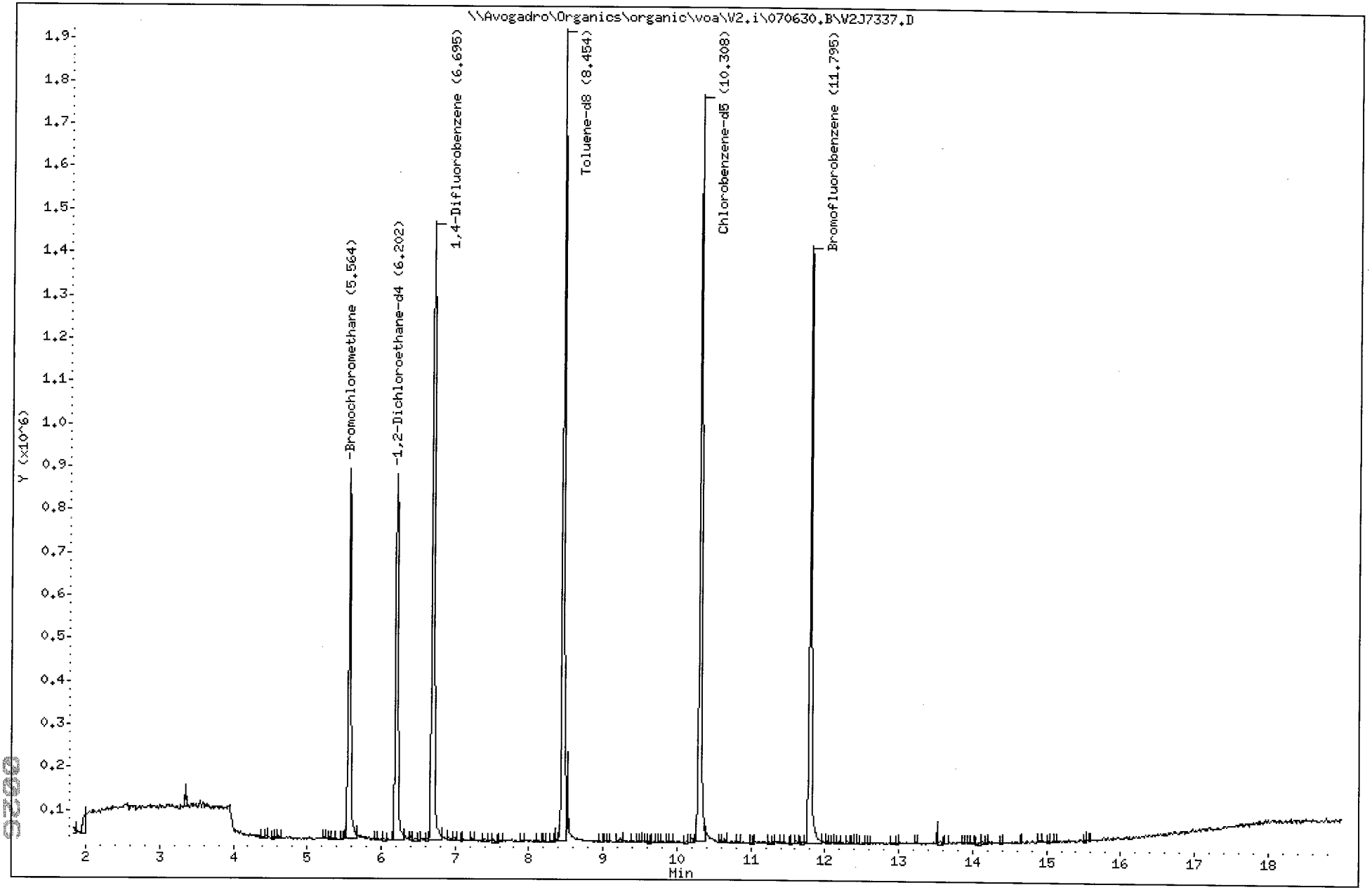
Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	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\070630.B\V2J7337.D
Date : 30-JUN-2007 10:13
Client ID: SW02
Sample Info: 5ML,F0895-02A,,30902
Purge Volume: 5.0
Column phase: DB-624

Instrument: V2.i

Operator: HZ SRC: LIMS
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7337.D
Report Date: 11-Jul-2007 10:28

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7337.D
Lab Smp Id: F0895-02A Client Smp ID: SW02
Inj Date : 30-JUN-2007 10:13
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,F0895-02A,,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.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)	FINAL (ug/L)
* 18 Bromochloromethane	128	5.563	5.559	(1.000)	206419	50.0000	
$ 23 1,2-Dichloroethane-d4	65	6.202	6.198	(1.115)	757026	52.4573	52
* 26 1,4-Difluorobenzene	114	6.694	6.690	(1.000)	1136837	50.0000	
$ 33 Toluene-d8	98	8.454	8.450	(0.820)	1305542	50.0154	50
* 42 Chlorobenzene-d5	117	10.308	10.314	(1.000)	1014221	50.0000	
$ 50 Bromofluorobenzene	95	11.795	11.802	(1.144)	574534	47.9399	48

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7337.D
Report Date: 11-Jul-2007 10:28

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7337.D
Lab Smp Id: F0895-02A Client Smp ID: SW02
Inj Date : 30-JUN-2007 10:13
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,F0895-02A,,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.D
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW03

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7340

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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.

SW03

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7340

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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	3	J
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.

SW03

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7340

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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

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

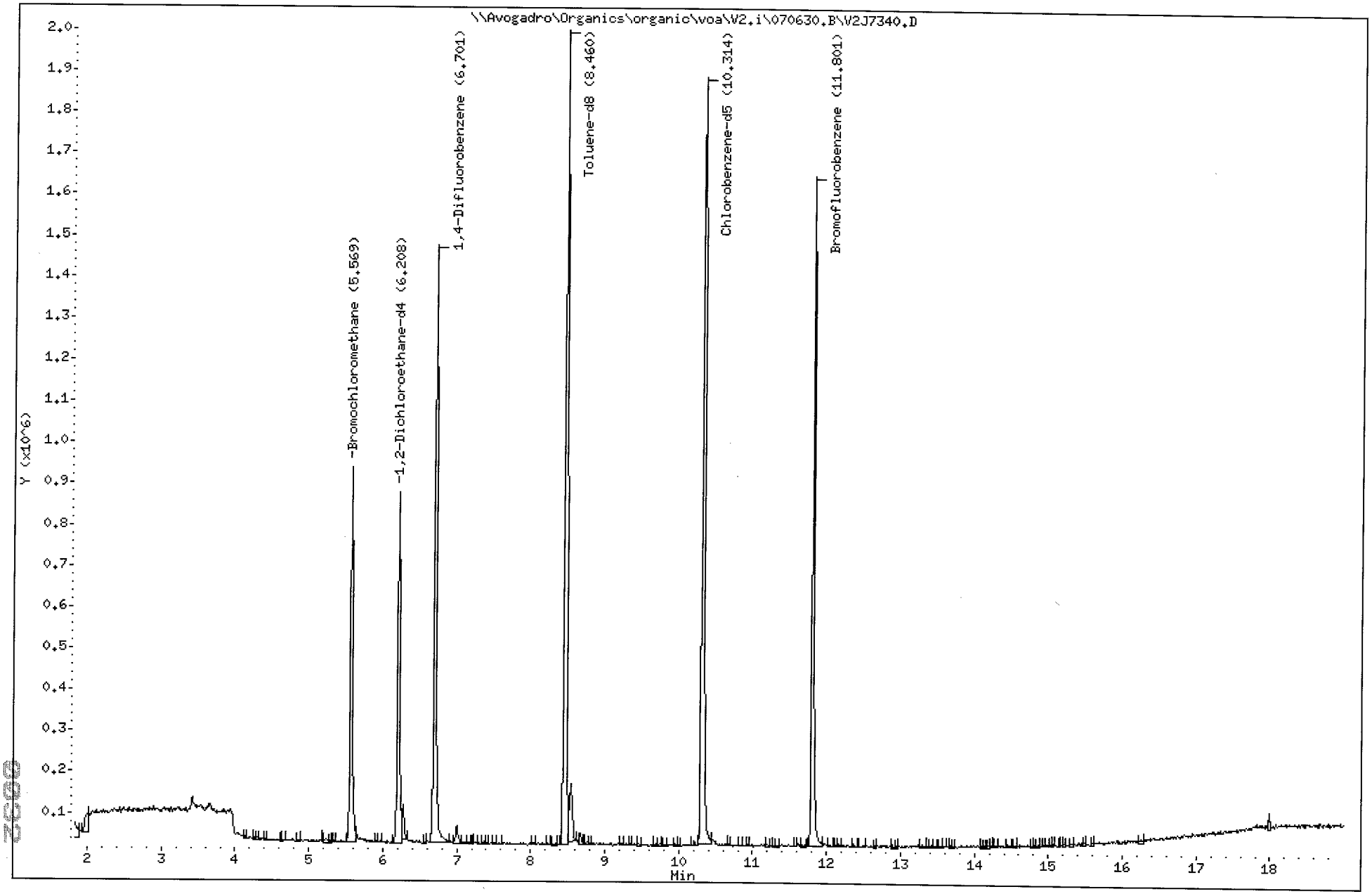
Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	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\070630.B\V2J7340.D
Date : 30-JUN-2007 11:37
Client ID: SW03
Sample Info: 5ML,F0895-03A,,30902
Purge Volume: 5.0
Column phase: DB-624

Instrument: V2.i

Operator: HZ SRC: LIMS
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7340.D
Report Date: 11-Jul-2007 10:28

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7340.D
Lab Smp Id: F0895-03A Client Smp ID: SW03
Inj Date : 30-JUN-2007 11:37
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,F0895-03A,,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.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)	FINAL (ug/L)
* 18 Bromochloromethane	128	5.569	5.559	(1.000)	225292	50.0000	
$ 23 1,2-Dichloroethane-d4	65	6.208	6.198	(1.115)	793535	50.3808	50
* 26 1,4-Difluorobenzene	114	6.700	6.690	(1.000)	1200858	50.0000	
$ 33 Toluene-d8	98	8.460	8.450	(0.820)	1418201	50.6453	51
34 Toluene	91	8.543	8.534	(0.828)	108638	3.09514	3(a)
* 42 Chlorobenzene-d5	117	10.313	10.314	(1.000)	1088038	50.0000	
$ 50 Bromofluorobenzene	95	11.801	11.802	(1.144)	612003	47.6018	48

QC Flag Legend

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

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7340.D
Report Date: 11-Jul-2007 10:28

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7340.D
Lab Smp Id: F0895-03A Client Smp ID: SW03
Inj Date : 30-JUN-2007 11:37
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,F0895-03A,,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.D
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7340.D

Date : 30-JUN-2007 11:37

Client ID: SW03

Instrument: V2.i

Sample Info: 5ML,F0895-03A,,30902

Purge Volume: 5.0

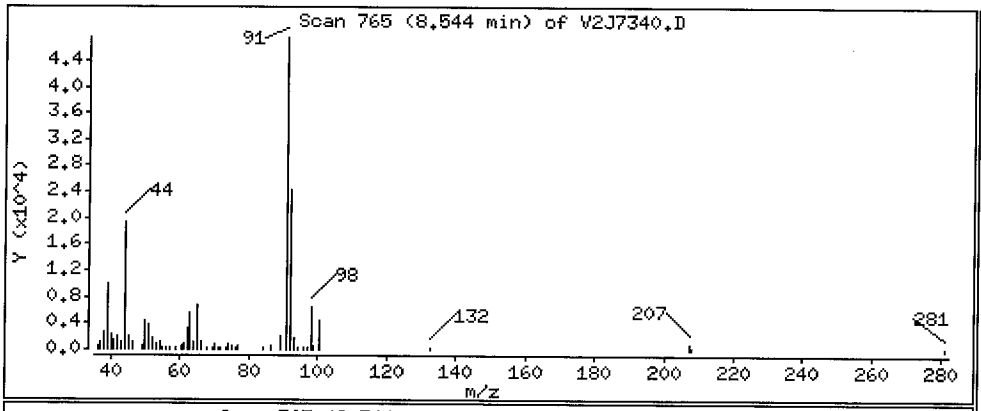
Operator: HZ SRC: LIMS

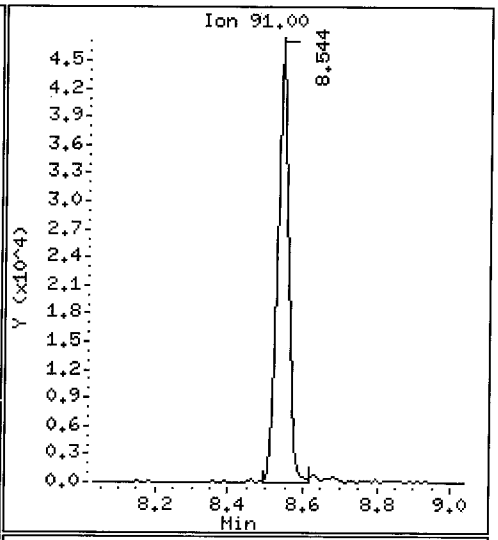
Column phase: DB-624

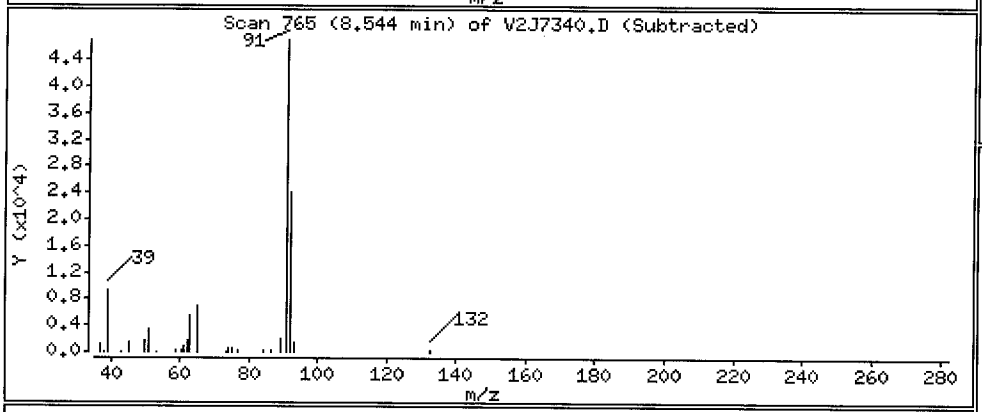
Column diameter: 0.25

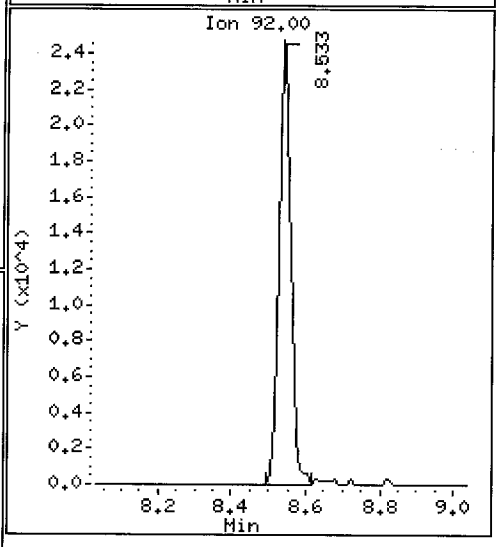
34 Toluene

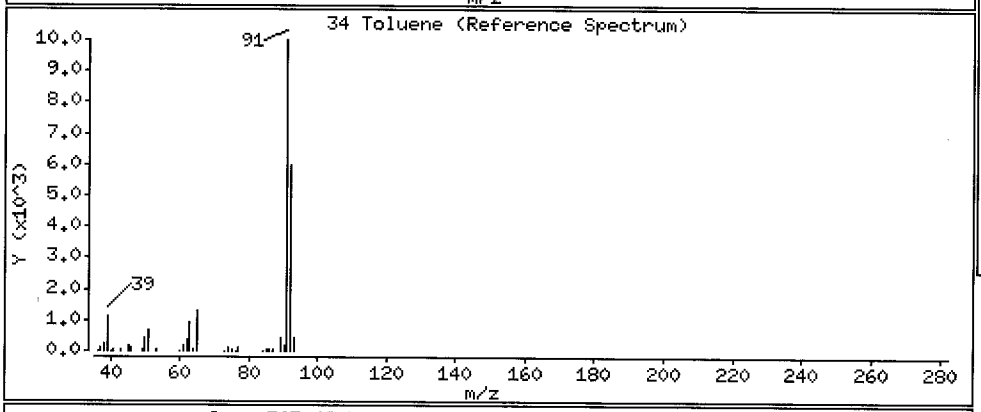
Concentration: 3 ug/L

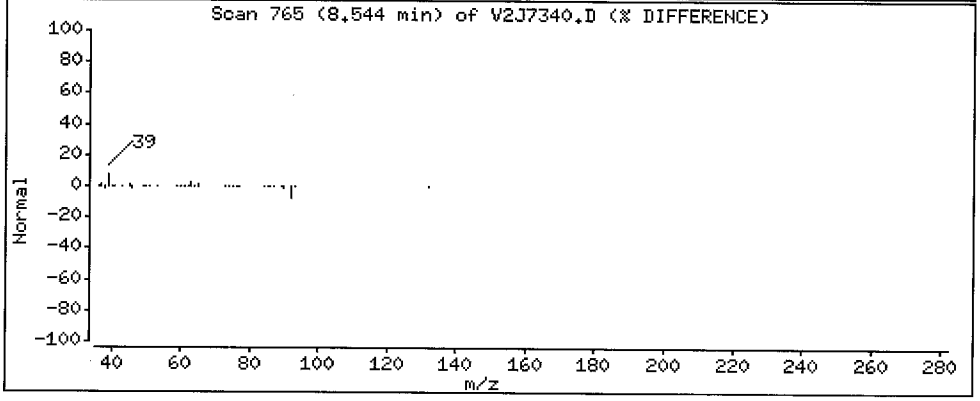












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW04

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7341

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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.

SW04

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7341

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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.

SW04

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7341

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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

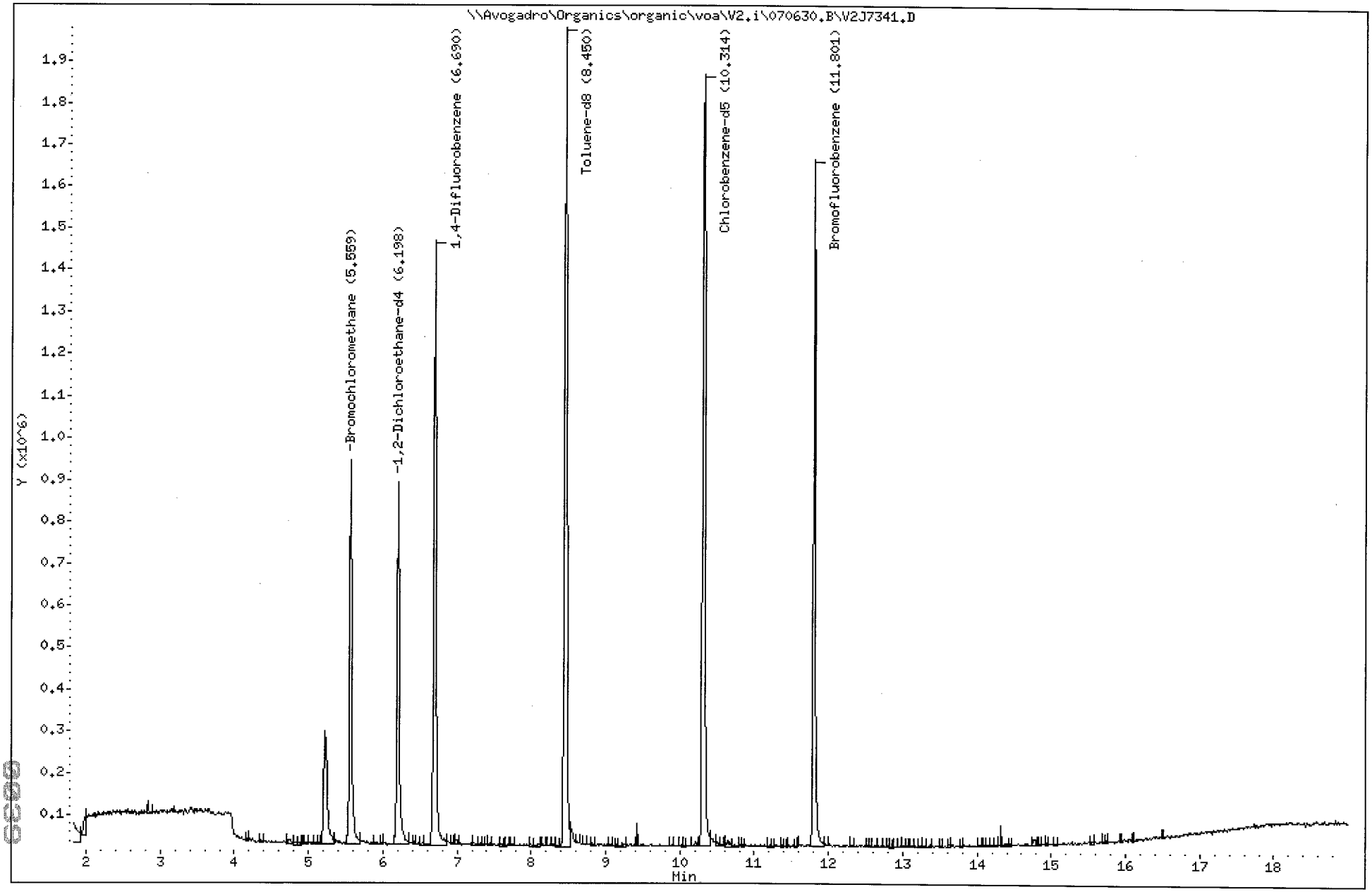
Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1066-40-6	SILANOL, TRIMETHYL-	5.22	20	NJ
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\070630.B\V2J7341.D
Date : 30-JUN-2007 12:05
Client ID: SW04
Instrument: V2.i
Sample Info: 5ML,F0895-04A,,30902
Purge Volume: 5.0
Operator: HZ SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7341.D
Report Date: 11-Jul-2007 10:28

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7341.D
Lab Smp Id: F0895-04A Client Smp ID: SW04
Inj Date : 30-JUN-2007 12:05
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,F0895-04A,,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.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)	FINAL (ug/L)
* 18 Bromochloromethane	128	5.569	5.559	(1.000)	227434	50.0000	
$ 23 1,2-Dichloroethane-d4	65	6.197	6.198	(1.113)	791531	49.7803	50
* 26 1,4-Difluorobenzene	114	6.690	6.690	(1.000)	1188304	50.0000	
$ 33 Toluene-d8	98	8.449	8.450	(0.819)	1464232	52.2197	52
* 42 Chlorobenzene-d5	117	10.313	10.314	(1.000)	1089484	50.0000	
$ 50 Bromofluorobenzene	95	11.801	11.802	(1.144)	607254	47.1697	47

WL
07/11/07

0040

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7341.D
Report Date: 11-Jul-2007 10:28

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7341.D
Lab Smp Id: F0895-04A Client Smp ID: SW04
Inj Date : 30-JUN-2007 12:05
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,F0895-04A,,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.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	5.569	2161510	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Silanol, trimethyl-				CAS #: 1066-40-6			
5.224	881157	20.3829034	20	90	NIST2002.L	2204	18

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7341.D

Date : 30-JUN-2007 12:05

Client ID: SW04

Instrument: V2.i

Sample Info: 5ML,F0895-04A,,30902

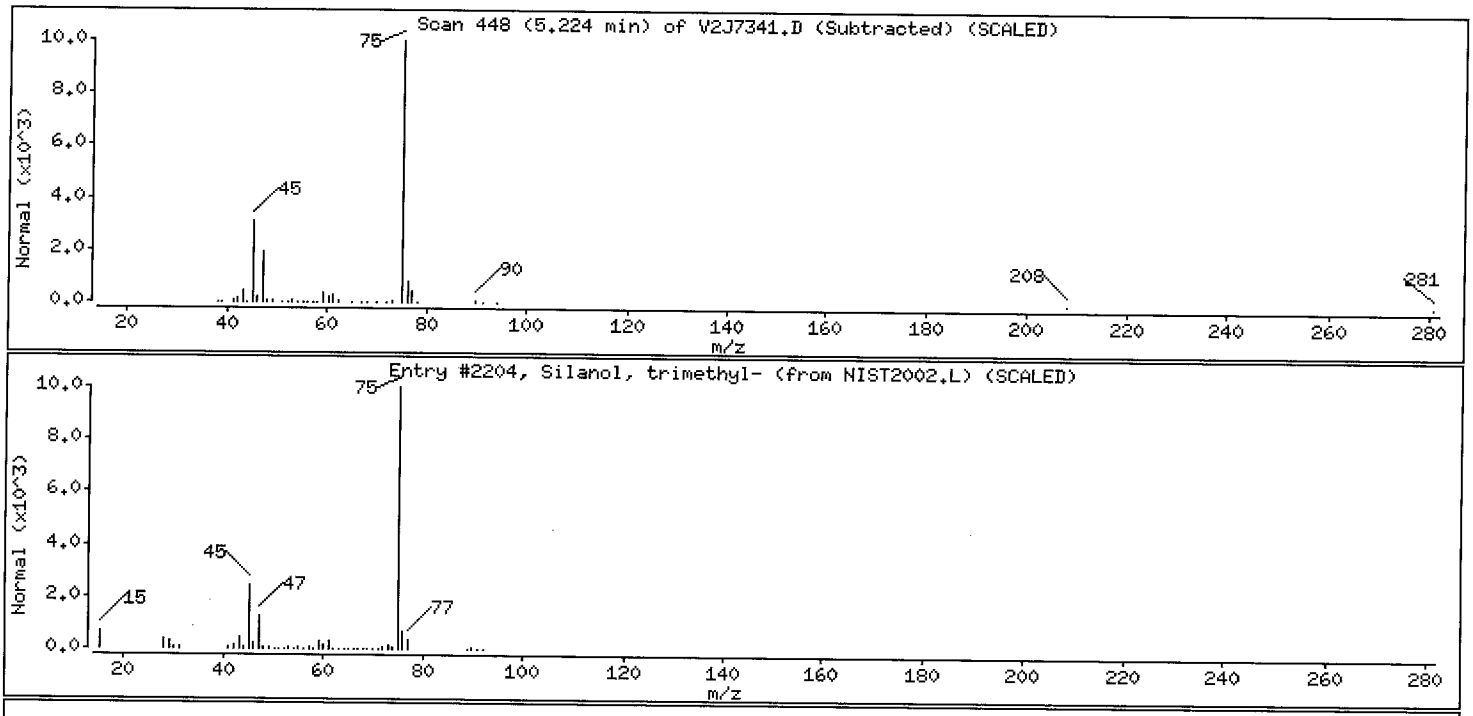
Purge Volume: 5.0

Operator: HZ SRC: LIMS

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Silanol, trimethyl-	1066-40-6	NIST2002.L	2204	90	C3H10OSi	90



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW04/O

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-08A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7345

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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.

SW04/O

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-08A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7345

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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.

SW04/O

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-08A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7345

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. Date Analyzed: 06/30/07

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

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

Number TICs found: 1

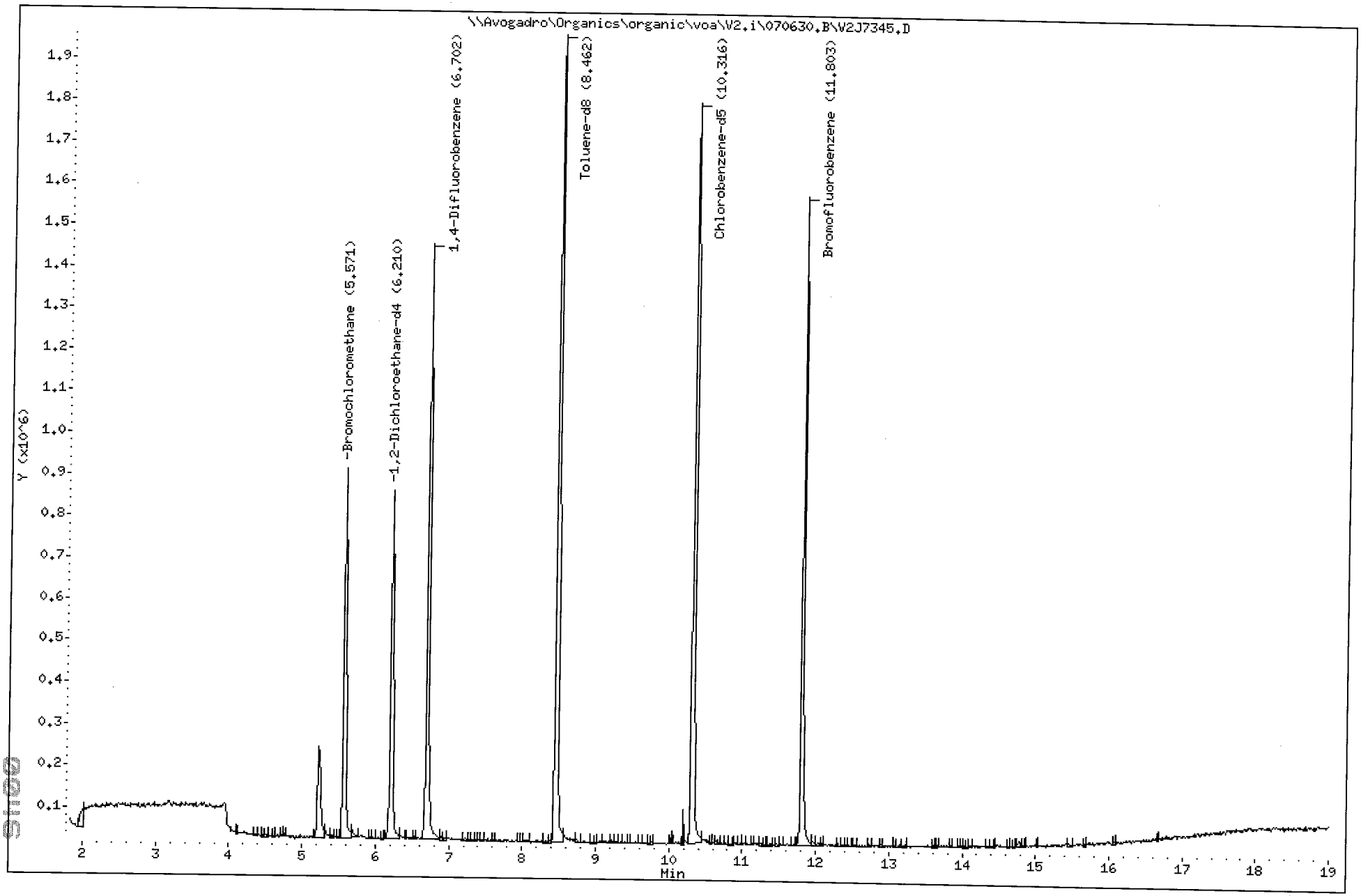
CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1066-40-6	SILANOL, TRIMETHYL-	5.23	16	NJ
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\070630.B\V2J7345.D
Date : 30-JUN-2007 13:59
Client ID: SW04/0
Sample Info: 5ML,F0895-08A,,30902
Purge Volume: 5.0
Column phase: DB-624

Instrument: V2.i

Operator: HZ SRC: LIMS
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7345.D
Report Date: 11-Jul-2007 10:28

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7345.D
Lab Smp Id: F0895-08A Client Smp ID: SW04/O
Inj Date : 30-JUN-2007 13:59
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,F0895-08A,,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.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)	FINAL (ug/L)
* 18 Bromochloromethane	128	5.571	5.559	(1.000)	221446	50.0000	
$ 23 1,2-Dichloroethane-d4	65	6.209	6.198	(1.115)	768039	49.6090	50
* 26 1,4-Difluorobenzene	114	6.702	6.690	(1.000)	1186152	50.0000	
$ 33 Toluene-d8	98	8.461	8.450	(0.820)	1418049	52.6790	53
* 42 Chlorobenzene-d5	117	10.315	10.314	(1.000)	1045922	50.0000	
$ 50 Bromofluorobenzene	95	11.802	11.802	(1.144)	585882	47.4051	47

WL
07/11/07

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7345.D
Report Date: 16-Jul-2007 15:38

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7345.D
Lab Smp Id: F0895-08A Client Smp ID: SW04/O
Inj Date : 30-JUN-2007 13:59
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,F0895-08A,,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.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	5.571	2123041	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Silanol, trimethyl-			CAS #: 1066-40-6				
5.225	676985	15.9437462	16	91	NIST2002.L	2204	18(L)

QC Flag Legend

L - Operator selected an alternate library search match.

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7345.D

Date : 30-JUN-2007 13:59

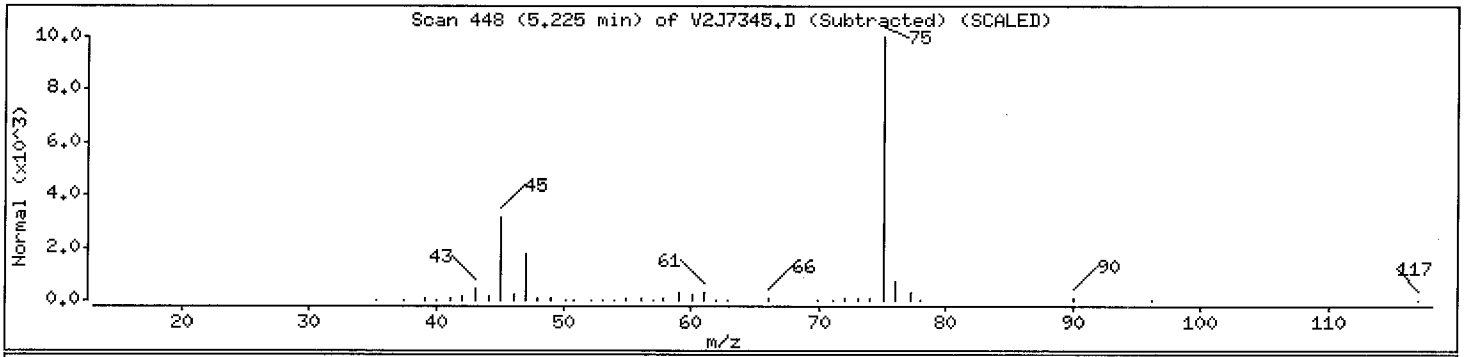
Client ID: SW04/0 Instrument: V2.i

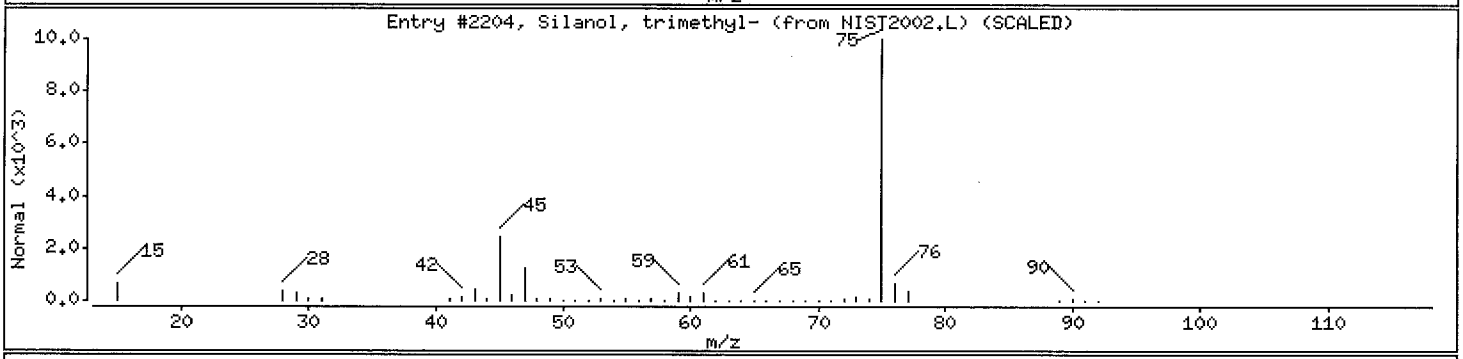
Sample Info: 5ML,F0895-08A,,30902

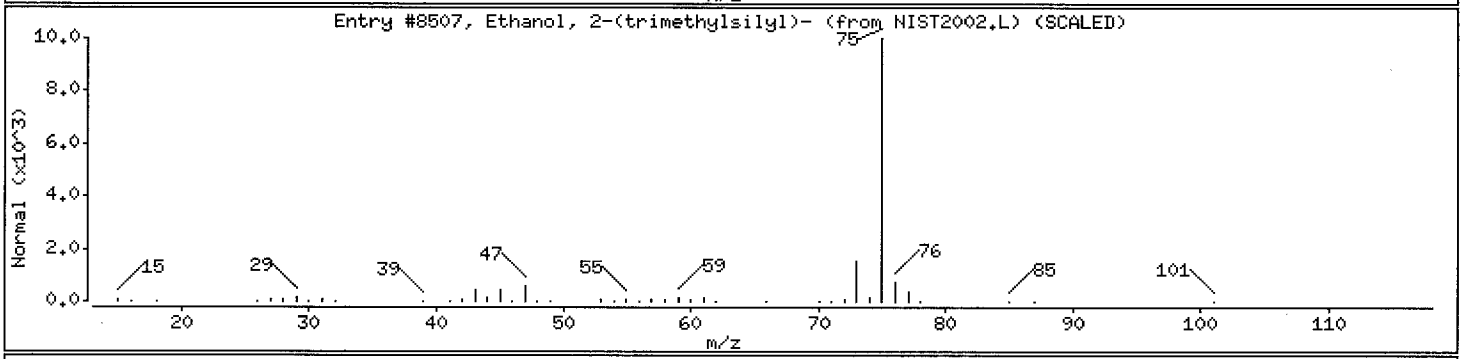
Purge Volume: 5.0 Operator: HZ SRC: LIMS

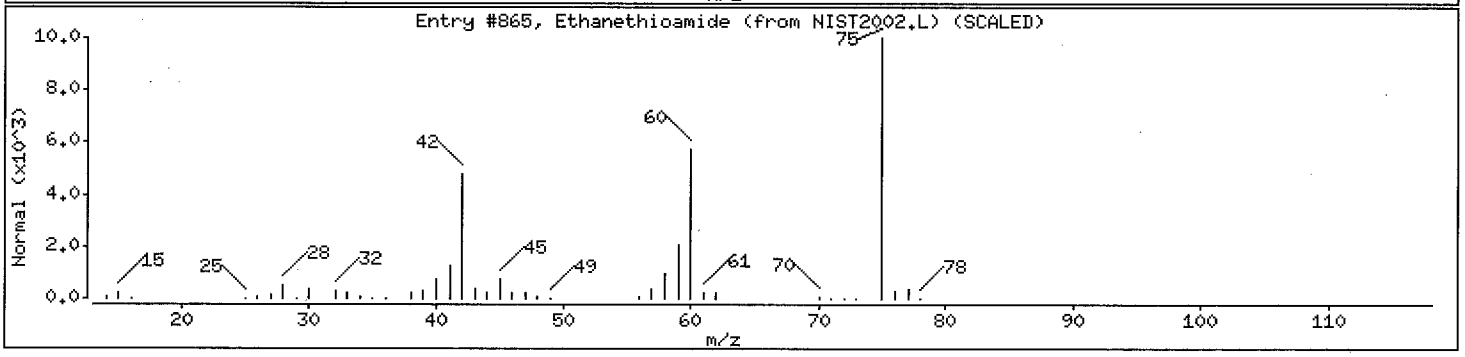
Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Silanol, trimethyl-	1066-40-6	NIST2002.L	2204	91	C3H10OSi	90
Ethanol, 2-(trimethylsilyl)-	2916-68-9	NIST2002.L	8507	56	C5H14OSi	118
Ethanethioamide	62-55-5	NIST2002.L	865	9	C2H5NS	75









1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW05

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7342

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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.

SW05

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7342

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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

SW05

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7342

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

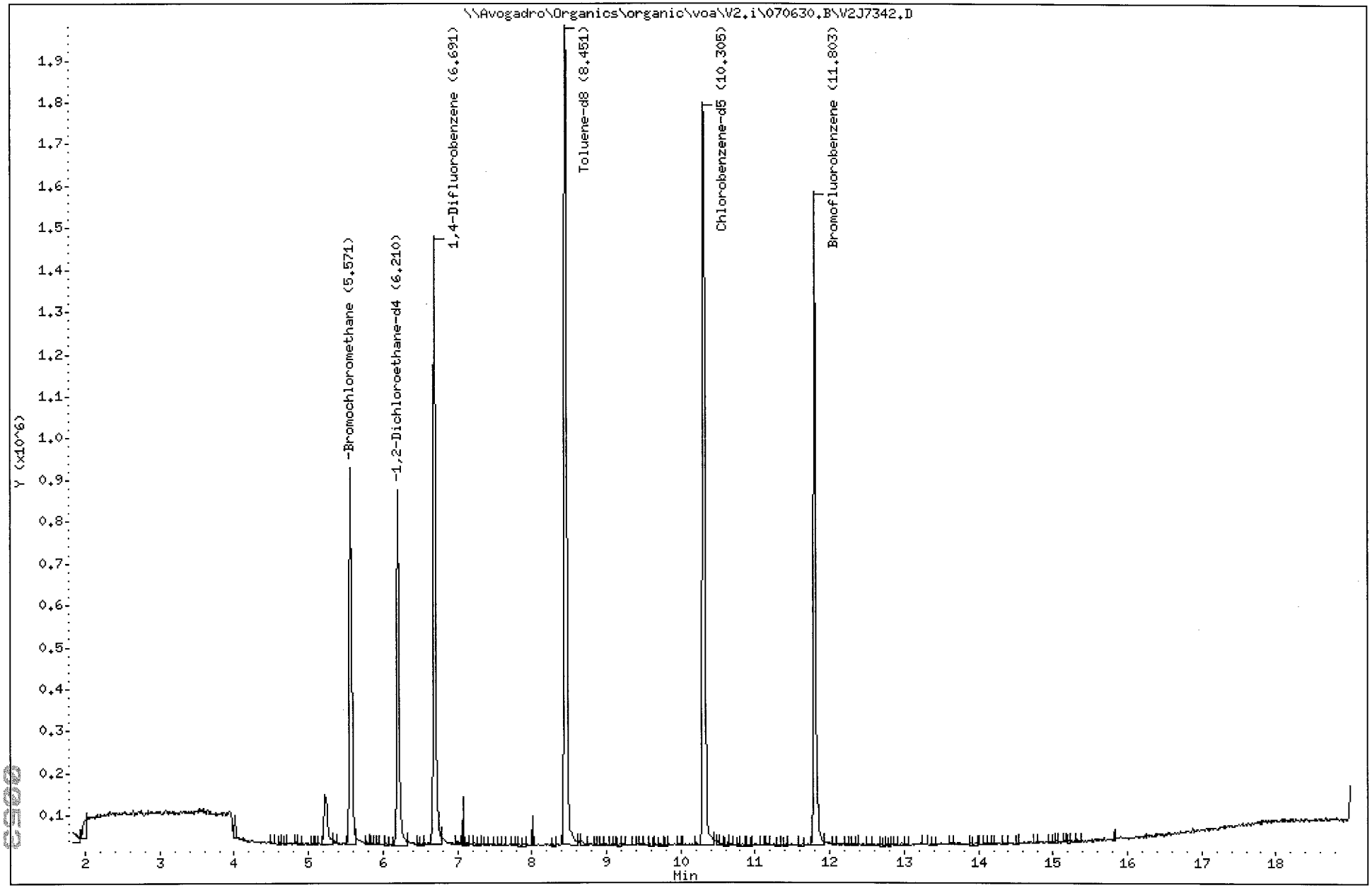
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	1066-40-6	SILANOL, TRIMETHYL-	5.23	9	NJ
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\070630.B\V2J7342.D
Date : 30-JUN-2007 12:34
Client ID: SW05
Instrument: V2.i
Sample Info: 5ML,F0895-05A,,30902
Purge Volume: 5.0
Operator: HZ SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7342.D
Report Date: 11-Jul-2007 10:28

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7342.D
Lab Smp Id: F0895-05A Client Smp ID: SW05
Inj Date : 30-JUN-2007 12:34
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,F0895-05A,,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.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)	FINAL (ug/L)
* 18 Bromochloromethane	128	5.570	5.559	(1.000)	219581	50.0000	
$ 23 1,2-Dichloroethane-d4	65	6.199	6.198	(1.113)	788555	51.3667	51
* 26 1,4-Difluorobenzene	114	6.701	6.690	(1.000)	1195760	50.0000	
$ 33 Toluene-d8	98	8.451	8.450	(0.819)	1444146	52.1687	52
* 42 Chlorobenzene-d5	117	10.315	10.314	(1.000)	1075590	50.0000	
$ 50 Bromofluorobenzene	95	11.802	11.802	(1.144)	602403	47.3974	47

WL
07/11/07

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7342.D
Report Date: 11-Jul-2007 10:28

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7342.D
Lab Smp Id: F0895-05A Client Smp ID: SW05
Inj Date : 30-JUN-2007 12:34
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,F0895-05A,,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.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	5.571	2091426	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Silanol, trimethyl-			CAS #: 1066-40-6				
5.225	393739	9.41316073	9	91	NIST2002.L	2204	18

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7342.D

Date : 30-JUN-2007 12:34

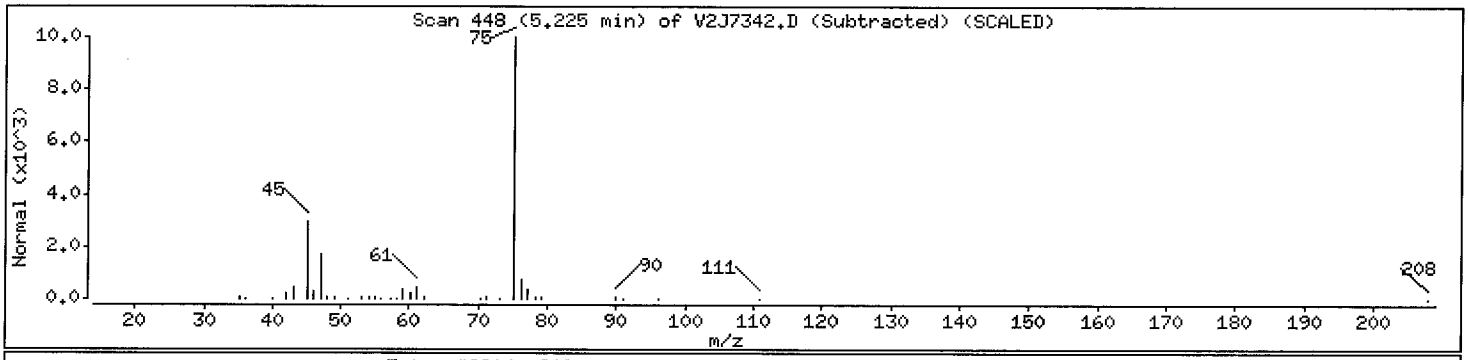
Client ID: SW05 Instrument: V2.i

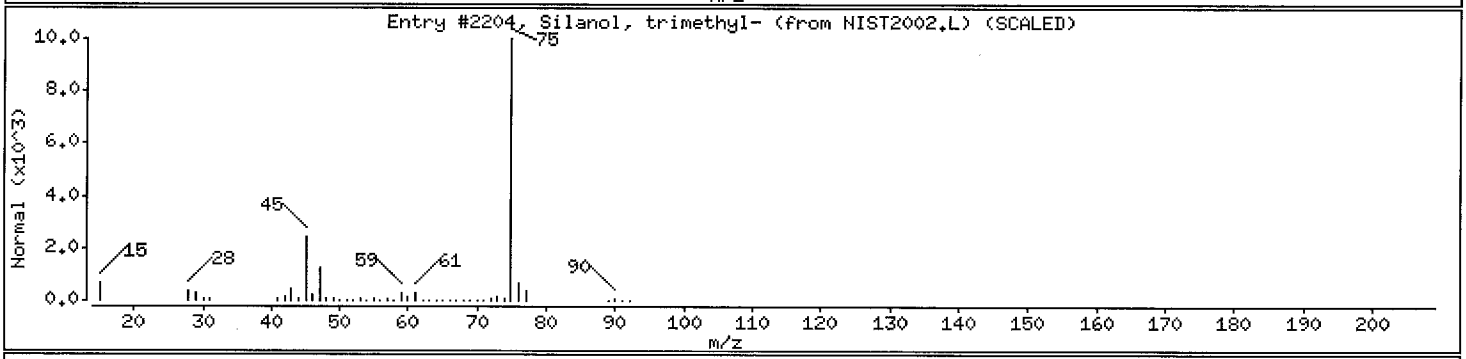
Sample Info: 5ML,F0895-05A,,30902

Purge Volume: 5.0 Operator: HZ SRC: LIMS

Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Silanol, trimethyl-	1066-40-6	NIST2002.L	2204	91	C3H10OSi	90





1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW07

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7343

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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	33	
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.

SW07

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7343

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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.

SW07

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7343

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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

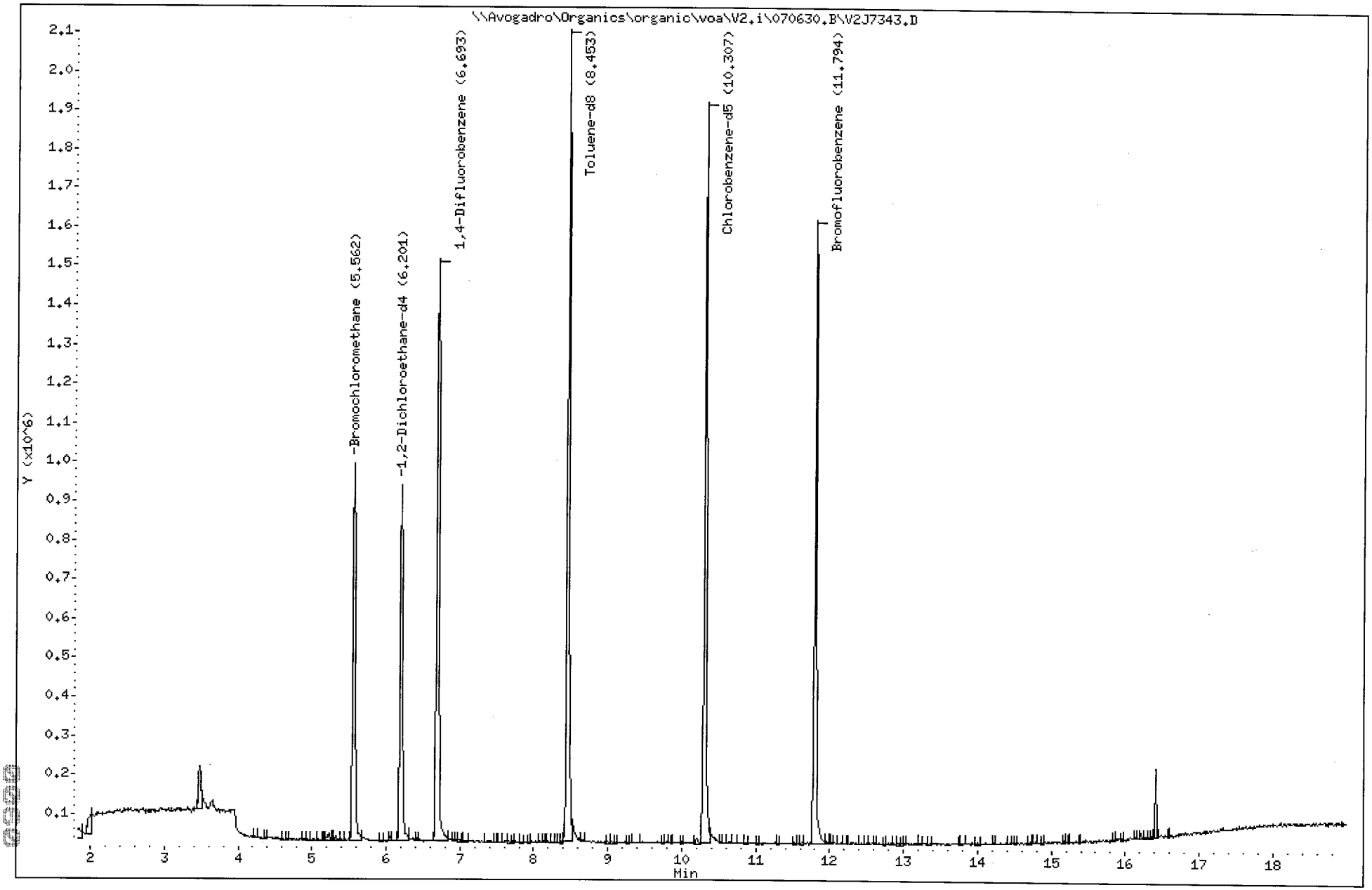
Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

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\070630.B\V2J7343.D
Date : 30-JUN-2007 13:02
Client ID: SW07
Sample Info: 5ML,F0895-06A,,30902
Purge Volume: 5.0
Column phase: DB-624

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



Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7343.D
Report Date: 11-Jul-2007 10:28

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7343.D
Lab Smp Id: F0895-06A Client Smp ID: SW07
Inj Date : 30-JUN-2007 13:02
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,F0895-06A,,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.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)	FINAL (ug/L)
	9 Acetone	43	3.477	3.475	(0.625)	212144	33.2264	33
*	18 Bromochloromethane	128	5.562	5.559	(1.000)	227839	50.0000	
$	23 1,2-Dichloroethane-d4	65	6.201	6.198	(1.115)	804477	50.5045	51
*	26 1,4-Difluorobenzene	114	6.693	6.690	(1.000)	1202465	50.0000	
$	33 Toluene-d8	98	8.452	8.450	(0.820)	1457638	51.9058	52
*	42 Chlorobenzene-d5	117	10.306	10.314	(1.000)	1091138	50.0000	
$	50 Bromofluorobenzene	95	11.793	11.802	(1.144)	607594	47.1246	47

WL
7/11/07

F

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7343.D
Report Date: 11-Jul-2007 10:28

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7343.D
Lab Smp Id: F0895-06A Client Smp ID: SW07
Inj Date : 30-JUN-2007 13:02
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,F0895-06A,,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.D
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7343.D

Date : 30-JUN-2007 13:02

Client ID: SW07

Instrument: V2.i

Sample Info: 5ML,F0895-06A,,30902

Purge Volume: 5.0

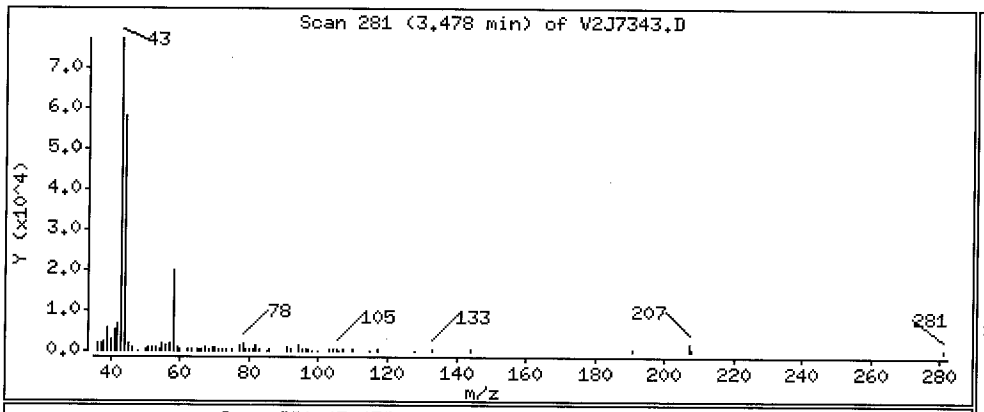
Operator: HZ SRC: LIMS

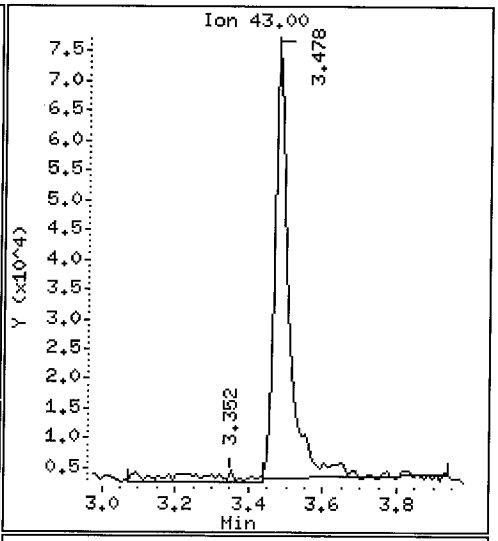
Column phase: DB-624

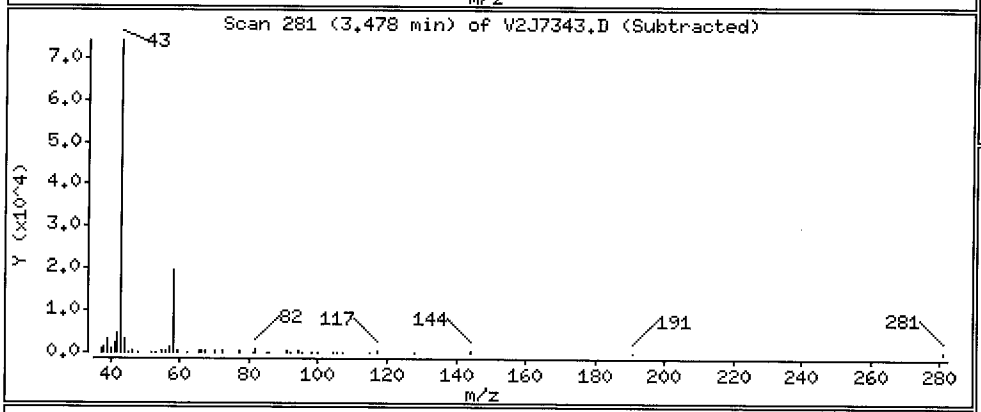
Column diameter: 0.25

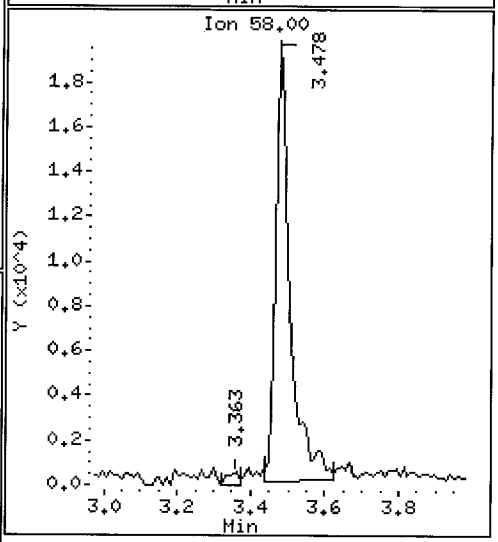
9 Acetone

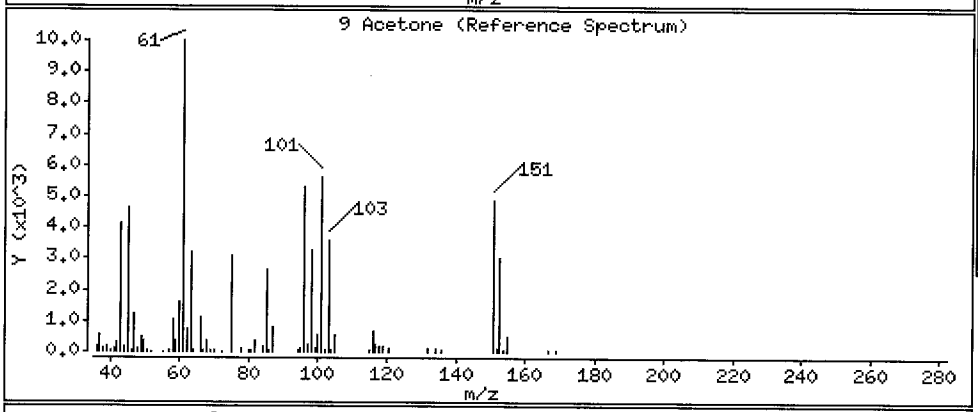
Concentration: 33 ug/L

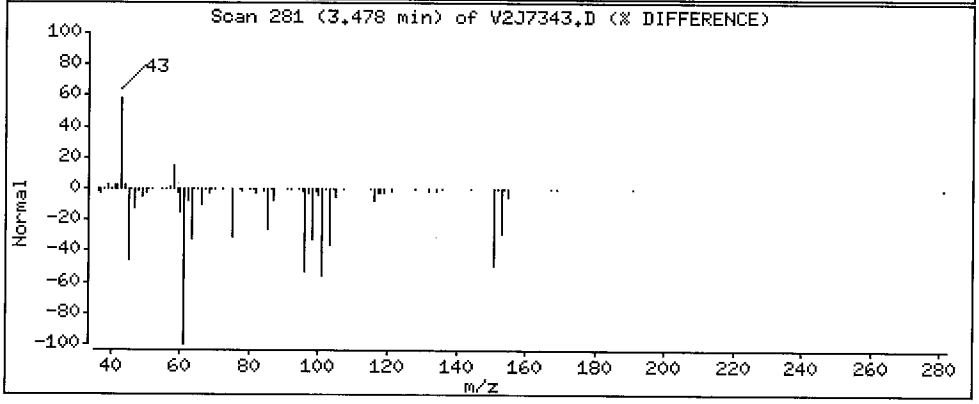












1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7344

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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.

TB01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7344

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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.

TB01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7344

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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

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

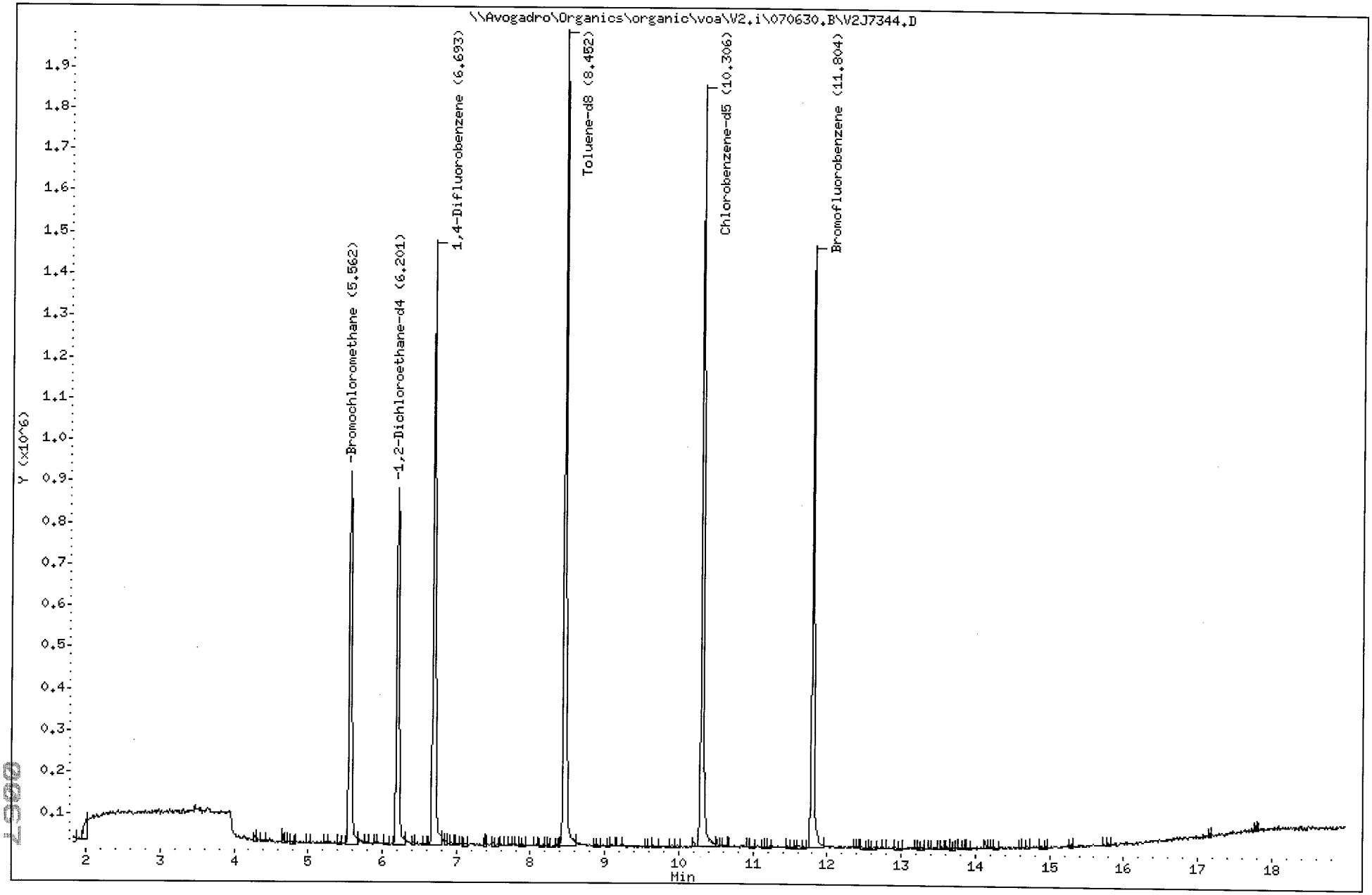
Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

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\070630.B\V2J7344.D
Date : 30-JUN-2007 13:30
Client ID: TB01
Sample Info: 5ML,F0895-07A,,30902
Purge Volume: 5.0
Column phase: DB-624

Instrument: V2.i

Operator: HZ SRC: LIMS
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7344.D
Report Date: 11-Jul-2007 10:28

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7344.D
Lab Smp Id: F0895-07A Client Smp ID: TB01
Inj Date : 30-JUN-2007 13:30
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,F0895-07A,,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.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)	FINAL (ug/L)
* 18 Bromochloromethane	128	5.561	5.559	(1.000)	211019	50.0000	
$ 23 1,2-Dichloroethane-d4	65	6.200	6.198	(1.115)	759270	51.4659	51
* 26 1,4-Difluorobenzene	114	6.692	6.690	(1.000)	1156188	50.0000	
$ 33 Toluene-d8	98	8.452	8.450	(0.820)	1419162	52.2271	52
* 42 Chlorobenzene-d5	117	10.306	10.314	(1.000)	1055801	50.0000	
$ 50 Bromofluorobenzene	95	11.804	11.802	(1.145)	572222	45.8666	46

WL 07/11/07

K

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7344.D
Report Date: 11-Jul-2007 10:28

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7344.D
Lab Smp Id: F0895-07A Client Smp ID: TB01
Inj Date : 30-JUN-2007 13:30
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,F0895-07A,,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.D
Als bottle: 100
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Instrument ID: V2 Calibration Date(s): 06/30/07 06/30/07

Heated Purge: (Y/N) N Calibration Times: 0435 0628

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

LAB FILE ID: RRF10 = V2J7325 RRF20 = V2J7326
RRF50 = V2J7327 RRF100= V2J7328 RRF200= V2J7329

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	1.492	1.463	1.456	1.297	1.311	1.404	6.6
Chloromethane	3.968	3.752	3.633	3.582	3.348	3.657	6.2
Vinyl Chloride *	3.713	3.407	3.528	3.497	3.265	3.482	4.7*
Bromomethane *	2.149	2.016	2.150	2.125	1.919	2.072	4.9*
Chloroethane	2.078	2.177	2.060	2.007	1.833	2.031	6.2
Trichlorofluoromethane	3.452	3.479	3.323	3.262	3.034	3.310	5.4
1,1-Dichloroethene *	3.010	2.809	2.692	2.688	2.540	2.748	6.4*
1,1,2-Trichloro-1,2,2-trifluoroethane	2.564	2.495	2.441	2.362	2.181	2.409	6.1
Acetone	1.544	1.552	1.401	1.339	1.270	1.421	8.8
Carbon Disulfide	10.030	9.755	9.463	9.245	8.491	9.397	6.2
Methyl Acetate	3.732	3.117	2.788	2.663	2.366	2.933	17.8
Methylene Chloride	2.998	2.998	3.015	2.873	2.654	2.908	5.3
trans-1,2-Dichloroethene	2.002	2.023	2.050	2.136	2.042	2.051	2.5
Methyl tert-Butyl Ether	6.842	6.374	6.336	6.211	5.912	6.335	5.3
1,1-Dichloroethane *	5.000	4.817	4.839	4.796	4.530	4.796	3.5*
cis-1,2-Dichloroethene	2.353	2.192	2.202	2.215	2.124	2.217	3.8
2-Butanone	1.896	1.862	1.780	1.762	1.596	1.779	6.6
Chloroform *	4.532	4.424	4.406	4.353	4.099	4.363	3.7*
1,1,1-Trichloroethane *	0.627	0.647	0.623	0.632	0.595	0.625	3.0*
Cyclohexane	0.660	0.712	0.684	0.675	0.648	0.676	3.6
Carbon Tetrachloride *	0.497	0.492	0.489	0.517	0.495	0.498	2.2*
Benzene *	1.483	1.438	1.418	1.406	1.342	1.417	3.6*
1,2-Dichloroethane *	4.687	4.488	4.560	4.448	4.202	4.477	4.0*
Trichloroethene *	0.357	0.365	0.355	0.362	0.347	0.357	2.0*
Methylcyclohexane	0.474	0.481	0.474	0.456	0.450	0.467	2.9

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Instrument ID: V2 Calibration Date(s): 06/30/07 06/30/07

Heated Purge: (Y/N) N Calibration Times: 0435 0628

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

LAB FILE ID: RRF10 = V2J7325 RRF20 = V2J7326
RRF50 = V2J7327 RRF100= V2J7328 RRF200= V2J7329

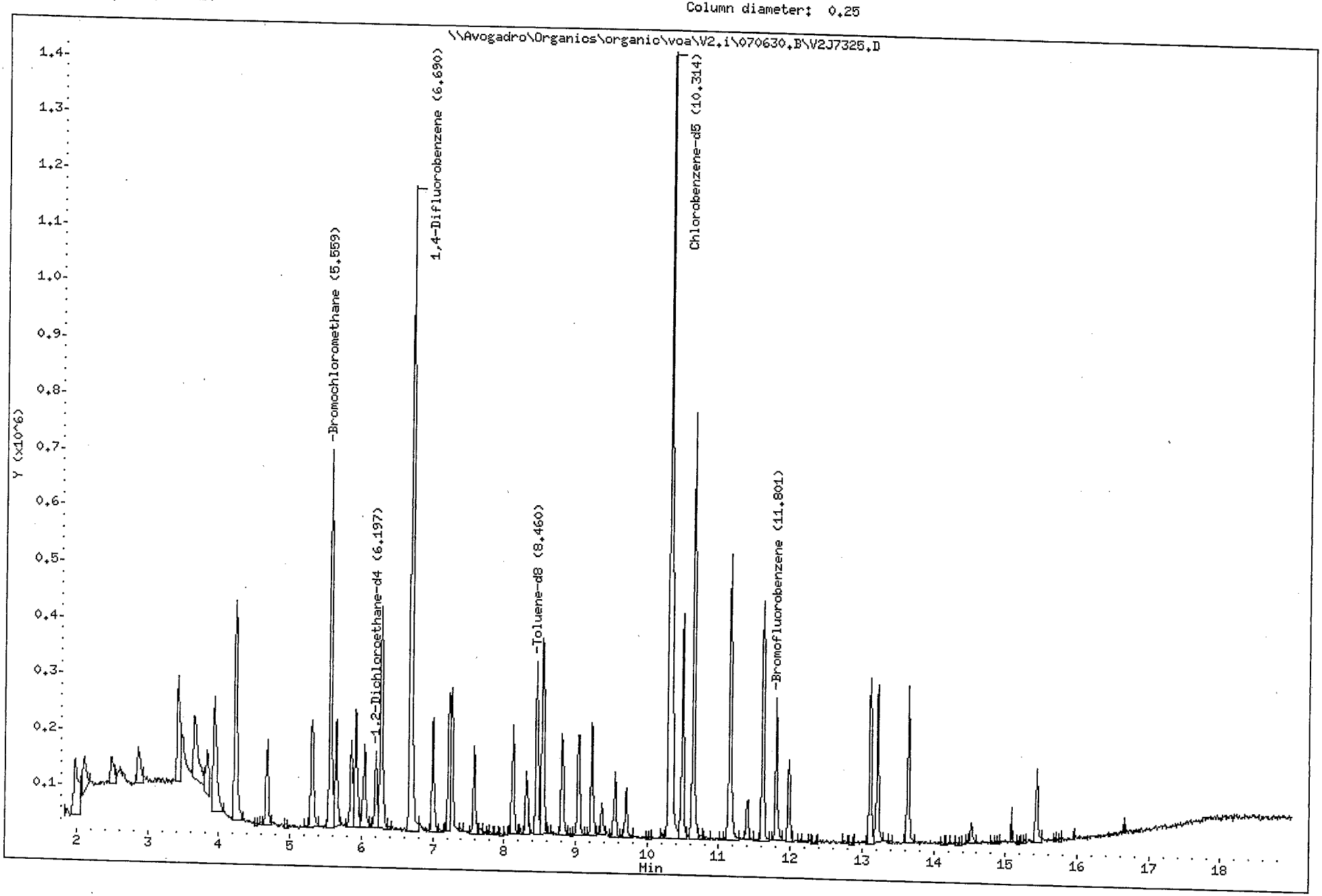
COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
1,2-Dichloropropane	0.474	0.445	0.456	0.455	0.437	0.453	3.1
Bromodichloromethane *	0.550	0.549	0.550	0.555	0.541	0.549	0.9*
cis-1,3-Dichloropropene *	0.578	0.585	0.566	0.591	0.570	0.578	1.8*
4-Methyl-2-Pentanone	0.687	0.674	0.672	0.681	0.597	0.662	5.5
Toluene *	1.662	1.632	1.613	1.615	1.467	1.598	4.7*
trans-1,3-Dichloropropene *	0.577	0.547	0.565	0.577	0.561	0.565	2.2*
1,1,2-Trichloroethane *	0.327	0.331	0.313	0.316	0.305	0.318	3.2*
Tetrachloroethene *	0.301	0.290	0.288	0.301	0.286	0.293	2.6*
2-Hexanone	0.421	0.466	0.469	0.493	0.459	0.462	5.6
Dibromochloromethane *	0.332	0.328	0.337	0.360	0.365	0.344	5.0*
1,2-Dibromoethane	0.434	0.413	0.403	0.412	0.397	0.412	3.4
Chlorobenzene *	1.102	1.092	1.064	1.087	1.023	1.074	2.9*
Ethylbenzene *	0.544	0.546	0.546	0.564	0.552	0.550	1.5*
Xylene (Total) *	0.659	0.669	0.675	0.719	0.720	0.688	4.2*
Styrene *	0.644	0.704	0.729	0.790	0.790	0.731	8.5*
Bromoform *	0.189	0.185	0.205	0.230	0.244	0.211	12.2*
Isopropylbenzene	1.776	1.791	1.791	1.846	1.722	1.785	2.5
1,1,2,2-Tetrachloroethane *	0.463	0.469	0.454	0.484	0.459	0.466	2.4*
1,3-Dichlorobenzene *	0.652	0.713	0.746	0.793	0.762	0.733	7.4*
1,4-Dichlorobenzene *	0.695	0.711	0.760	0.814	0.774	0.751	6.4*
1,2-Dichlorobenzene *	0.632	0.653	0.670	0.709	0.688	0.670	4.5*
1,2-Dibromo-3-chloropropane	0.071	0.073	0.074	0.077	0.079	0.075	4.2
1,2,4-Trichlorobenzene *	0.255	0.301	0.333	0.380	0.399	0.334	17.6*
Toluene-d8	1.351	1.289	1.287	1.293	1.217	1.287	3.7
Bromofluorobenzene *	0.605	0.596	0.591	0.627	0.615	0.607	2.4*
1,2-Dichloroethane-d4	3.761	3.458	3.496	3.377	3.238	3.466	5.5

* 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\070630.B\V2J7325.D
Date : 30-JUN-2007 04:35
Client ID: VSTD010H2
Sample Info: 5ML,VSTD010H2,VSTD010H2

Instrument: V2.i

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



Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7325.D
Report Date: 02-Jul-2007 16:40

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7325.D
Lab Smp Id: VSTD010H2 Client Smp ID: VSTD010H2
Inj Date : 30-JUN-2007 04:35
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 5ML,VSTD010H2,VSTD010H2
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 02-Jul-2007 12:21 weiluo Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.D
Als bottle: 100 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14
Processing Host: TARGET109

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.767	1.757	(0.317)	49931	10.0000	11
2	Chloromethane	50	1.976	1.967	(0.355)	132767	10.0000	11
3	Vinyl Chloride	62	2.102	2.103	(0.378)	124225	10.0000	11
4	Bromomethane	94	2.489	2.480	(0.447)	71907	10.0000	10
5	Chloroethane	64	2.594	2.606	(0.466)	69514	10.0000	10
6	Trichlorofluoromethane	101	2.866	2.868	(0.515)	115503	10.0000	10
7	1,1-Dichloroethene	96	3.421	3.423	(0.614)	100720	10.0000	11
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.421	3.423	(0.614)	85793	10.0000	11
9	Acetone	43	3.484	3.475	(0.626)	51662	10.0000	11
10	Carbon Disulfide	76	3.652	3.653	(0.656)	335593	10.0000	11
11	Methyl Acetate	43	3.830	3.831	(0.688)	124853	10.0000	13
12	Methylene Chloride	84	3.935	3.936	(0.707)	100309	10.0000	10
13	trans-1,2-Dichloroethene	96	4.228	4.229	(0.759)	66970	10.0000	10
14	Methyl tert-Butyl Ether	73	4.228	4.229	(0.759)	228932	10.0000	11
15	1,1-Dichloroethane	63	4.678	4.680	(0.840)	167276	10.0000	10
17	cis-1,2-Dichloroethene	96	5.307	5.308	(0.953)	78734	10.0000	11
16	2-Butanone	43	5.328	5.318	(0.957)	63441	10.0000	11
* 18	Bromochloromethane	128	5.569	5.559	(1.000)	167288	50.0000	
19	Chloroform	83	5.652	5.643	(1.015)	151632	10.0000	10
20	1,1,1-Trichloroethane	97	5.862	5.853	(0.876)	118290	10.0000	10
21	Cyclohexane	56	5.914	5.915	(0.884)	124557	10.0000	10

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7325.D
Report Date: 02-Jul-2007 16:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	22 Carbon Tetrachloride	117	6.040	6.041	(0.903)	93816	10.0000	10
$	23 1,2-Dichloroethane-d4	65	6.197	6.198	(1.113)	125835	10.0000	11
	25 Benzene	78	6.270	6.272	(0.937)	279758	10.0000	10
	24 1,2-Dichloroethane	62	6.291	6.282	(1.130)	156823	10.0000	10
*	26 1,4-Difluorobenzene	114	6.689	6.690	(1.000)	943252	50.0000	
	27 Trichloroethene	130	7.003	7.005	(1.047)	67296	10.0000	10
	28 Methylcyclohexane	83	7.223	7.225	(1.080)	89407	10.0000	10
	29 1,2-Dichloropropane	63	7.265	7.267	(1.086)	89450	10.0000	10
	30 Bromodichloromethane	83	7.579	7.581	(1.133)	103786	10.0000	10
	31 cis-1,3-Dichloropropene	75	8.124	8.115	(1.214)	109043	10.0000	10
	32 4-Methyl-2-Pentanone	43	8.313	8.303	(0.806)	115705	10.0000	10
$	33 Toluene-d8	98	8.459	8.450	(0.820)	227455	10.0000	10
	34 Toluene	91	8.533	8.534	(0.827)	279752	10.0000	10
	35 trans-1,3-Dichloropropene	75	8.805	8.806	(1.316)	108854	10.0000	10
	36 1,1,2-Trichloroethane	97	9.035	9.037	(1.351)	61703	10.0000	10
	37 Tetrachloroethene	164	9.224	9.225	(0.894)	50734	10.0000	10
	38 2-Hexanone	43	9.370	9.361	(0.909)	70817	10.0000	9(a)
	39 Dibromochloromethane	129	9.548	9.550	(1.427)	62538	10.0000	10
	40 1,2-Dibromoethane	107	9.706	9.707	(0.941)	73061	10.0000	11
*	42 Chlorobenzene-d5	117	10.313	10.314	(1.000)	841668	50.0000	
	43 Chlorobenzene	112	10.344	10.346	(1.003)	185469	10.0000	10
	44 Ethylbenzene	106	10.491	10.492	(1.017)	91652	10.0000	10(Q)
	45 m,p-Xylene	106	10.638	10.639	(1.031)	233913	20.0000	20(Q)
	46 o-Xylene	106	11.151	11.152	(1.081)	110909	10.0000	10(Q)
	47 Styrene	104	11.161	11.163	(1.082)	108349	10.0000	9(a)
	48 Bromoform	173	11.392	11.393	(1.703)	35651	10.0000	9(a)
M	41 Xylene (Total)	106				344822	10.0000	30
	49 Isopropylbenzene	105	11.612	11.613	(1.126)	299020	10.0000	10
$	50 Bromofluorobenzene	95	11.800	11.802	(1.144)	101797	10.0000	10
	51 1,1,2,2-Tetrachloroethane	83	11.978	11.980	(1.161)	78006	10.0000	10
	52 1,3-Dichlorobenzene	146	13.109	13.111	(1.271)	109721	10.0000	9(a)
	53 1,4-Dichlorobenzene	146	13.214	13.215	(1.281)	116939	10.0000	9(a)
	54 1,2-Dichlorobenzene	146	13.644	13.645	(1.323)	106313	10.0000	9(a)
	55 1,2-Dibromo-3-chloropropane	75	14.523	14.525	(1.408)	12008	10.0000	10
	56 1,2,4-Trichlorobenzene	180	15.435	15.425	(1.497)	42854	10.0000	8(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

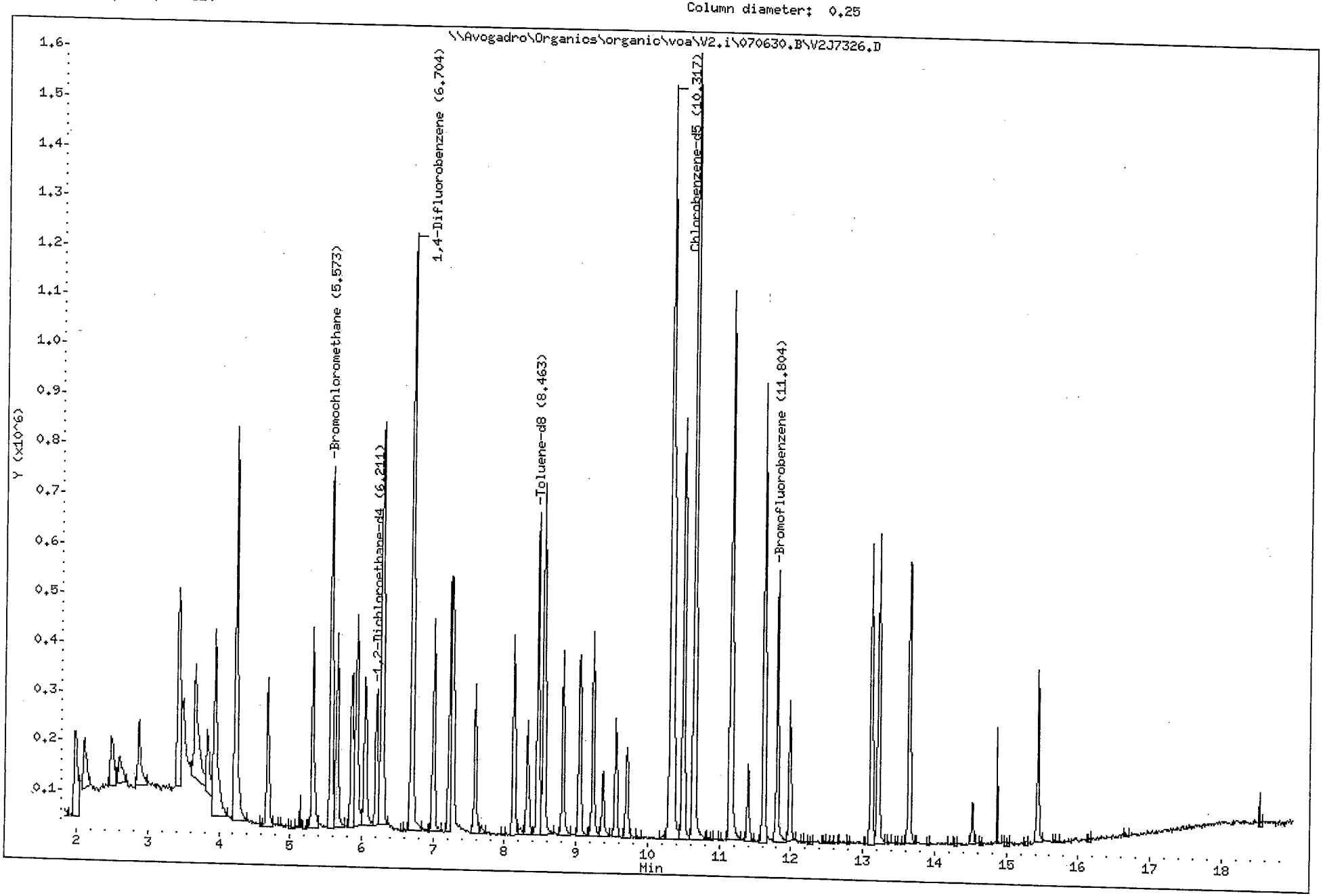
(B) 7/2/07

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7326.D
Date : 30-JUN-2007 05:03
Client ID: VSTD020H2
Sample Info: 5ML,VSTD020H2,VSTD020H2

Instrument: V2.i

Operator: HZ SRC: HZ
Column diameter: 0.25

Column phase: DB-624



Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7326.D
Report Date: 02-Jul-2007 16:40

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7326.D
Lab Smp Id: VSTD020H2 Client Smp ID: VSTD020H2
Inj Date : 30-JUN-2007 05:03
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 5ML,VSTD020H2,VSTD020H2
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 02-Jul-2007 12:21 weiluo Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.D
Als bottle: 100 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14
Processing Host: TARGET109

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.760	1.757	(0.316)	104316	20.0000	21
2	Chloromethane	50	1.969	1.967	(0.353)	267554	20.0000	21
3	Vinyl Chloride	62	2.105	2.103	(0.378)	242971	20.0000	20
4	Bromomethane	94	2.482	2.480	(0.446)	143762	20.0000	19
5	Chloroethane	64	2.608	2.606	(0.468)	155198	20.0000	21
6	Trichlorofluoromethane	101	2.870	2.868	(0.515)	248069	20.0000	21
7	1,1-Dichloroethene	96	3.425	3.423	(0.615)	200322	20.0000	20
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.435	3.423	(0.617)	177885	20.0000	21
9	Acetone	43	3.477	3.475	(0.624)	110668	20.0000	22
10	Carbon Disulfide	76	3.655	3.653	(0.656)	695554	20.0000	21
11	Methyl Acetate	43	3.833	3.831	(0.688)	222232	20.0000	21
12	Methylene Chloride	84	3.938	3.936	(0.707)	213754	20.0000	21
13	trans-1,2-Dichloroethene	96	4.231	4.229	(0.759)	144260	20.0000	20
14	Methyl tert-Butyl Ether	73	4.242	4.229	(0.761)	454500	20.0000	20
15	1,1-Dichloroethane	63	4.682	4.680	(0.840)	343450	20.0000	20
17	cis-1,2-Dichloroethene	96	5.310	5.308	(0.953)	156316	20.0000	20
16	2-Butanone	43	5.331	5.318	(0.957)	132743	20.0000	21
* 18	Bromochloromethane	128	5.572	5.559	(1.000)	178263	50.0000	
19	Chloroform	83	5.656	5.643	(1.015)	315428	20.0000	20
20	1,1,1-Trichloroethane	97	5.865	5.853	(0.875)	258600	20.0000	21
21	Cyclohexane	56	5.928	5.915	(0.884)	284895	20.0000	21

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7326.D
Report Date: 02-Jul-2007 16:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	22 Carbon Tetrachloride	117	6.043	6.041	(0.902)	196766	20.0000	20
$	23 1,2-Dichloroethane-d4	65	6.211	6.198	(1.115)	246556	20.0000	20
	25 Benzene	78	6.274	6.272	(0.936)	575203	20.0000	20
	24 1,2-Dichloroethane	62	6.295	6.282	(1.130)	320018	20.0000	20
*	26 1,4-Difluorobenzene	114	6.703	6.690	(1.000)	999895	50.0000	
	27 Trichloroethene	130	7.007	7.005	(1.045)	145976	20.0000	20
	28 Methylcyclohexane	83	7.227	7.225	(1.078)	192204	20.0000	21
	29 1,2-Dichloropropane	63	7.269	7.267	(1.084)	178025	20.0000	20
	30 Bromodichloromethane	83	7.583	7.581	(1.131)	219759	20.0000	20
	31 cis-1,3-Dichloropropene	75	8.128	8.115	(1.212)	234074	20.0000	20
	32 4-Methyl-2-Pentanone	43	8.316	8.303	(0.806)	238865	20.0000	20
$	33 Toluene-d8	98	8.463	8.450	(0.820)	456789	20.0000	20
	34 Toluene	91	8.547	8.534	(0.828)	578153	20.0000	20
	35 trans-1,3-Dichloropropene	75	8.808	8.806	(1.314)	218911	20.0000	19
	36 1,1,2-Trichloroethane	97	9.049	9.037	(1.350)	132283	20.0000	21
	37 Tetrachloroethene	164	9.238	9.225	(0.895)	102572	20.0000	20
	38 2-Hexanone	43	9.374	9.361	(0.909)	164968	20.0000	20
	39 Dibromochloromethane	129	9.552	9.550	(1.425)	131217	20.0000	19
	40 1,2-Dibromoethane	107	9.709	9.707	(0.941)	146453	20.0000	20
*	42 Chlorobenzene-d5	117	10.317	10.314	(1.000)	885678	50.0000	
	43 Chlorobenzene	112	10.348	10.346	(1.003)	386690	20.0000	20
	44 Ethylbenzene	106	10.495	10.492	(1.017)	193294	20.0000	20 (Q)
	45 m,p-Xylene	106	10.641	10.639	(1.031)	494414	40.0000	39 (Q)
	46 o-Xylene	106	11.154	11.152	(1.081)	237147	20.0000	19 (Q)
	47 Styrene	104	11.165	11.163	(1.082)	249550	20.0000	19
	48 Bromoform	173	11.395	11.393	(1.700)	74139	20.0000	18
M	41 Xylene (Total)	106				731561	20.0000	60
	49 Isopropylbenzene	105	11.615	11.613	(1.126)	634675	20.0000	20
$	50 Bromofluorobenzene	95	11.804	11.802	(1.144)	211317	20.0000	20
	51 1,1,2,2-Tetrachloroethane	83	11.982	11.980	(1.161)	166151	20.0000	20
	52 1,3-Dichlorobenzene	146	13.113	13.111	(1.271)	252626	20.0000	19
	53 1,4-Dichlorobenzene	146	13.218	13.215	(1.281)	251865	20.0000	19
	54 1,2-Dichlorobenzene	146	13.647	13.645	(1.323)	231365	20.0000	19
	55 1,2-Dibromo-3-chloropropane	75	14.516	14.525	(1.407)	25895	20.0000	19
	56 1,2,4-Trichlorobenzene	180	15.428	15.425	(1.495)	106751	20.0000	18

QC Flag Legend

Q - Qualifier signal failed the ratio test.

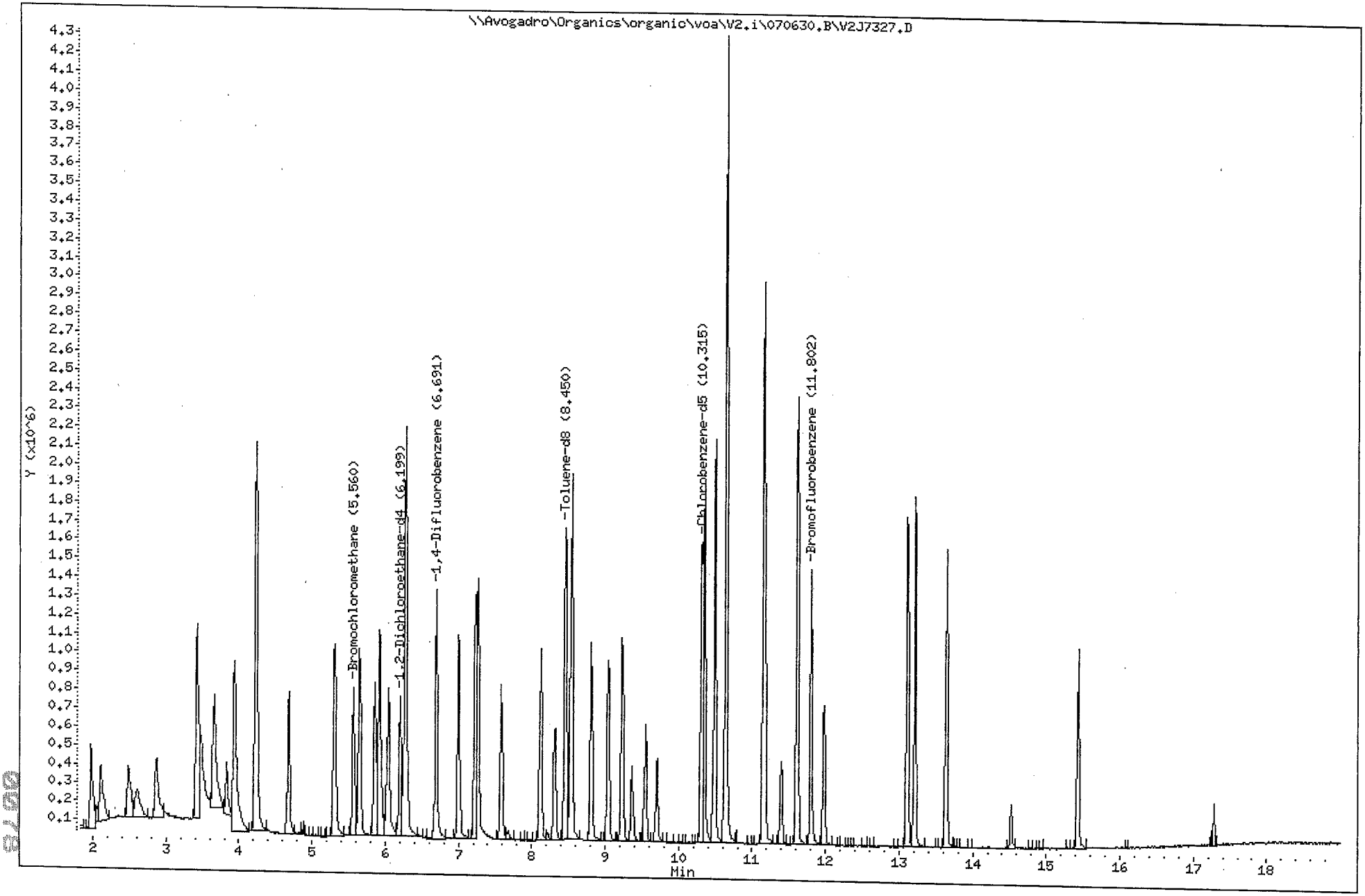
SB 7/2/07

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7327.D
Date : 30-JUN-2007 05:31
Client ID: VSTD050H2
Sample Info: 5ML,VSTD050H2,VSTD050H2

Instrument: V2.i

Operator: HZ SRC: HZ
Column diameter: 0.25

Column phase: DB-624



Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7327.D
Report Date: 02-Jul-2007 16:40

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7327.D
Lab Smp Id: VSTD050H2 Client Smp ID: VSTD050H2
Inj Date : 30-JUN-2007 05:31
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 5ML,VSTD050H2,VSTD050H2
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 02-Jul-2007 12:21 weiluo Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.D
Als bottle: 100 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14
Processing Host: TARGET109

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.757	1.757	(0.316)	269126	50.0000	52
2	Chloromethane	50	1.967	1.967	(0.354)	671407	50.0000	50
3	Vinyl Chloride	62	2.103	2.103	(0.378)	651992	50.0000	51
4	Bromomethane	94	2.480	2.480	(0.446)	397387	50.0000	52
5	Chloroethane	64	2.606	2.606	(0.469)	380648	50.0000	51
6	Trichlorofluoromethane	101	2.868	2.868	(0.516)	614039	50.0000	50
7	1,1-Dichloroethene	96	3.423	3.423	(0.616)	497500	50.0000	49
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.423	3.423	(0.616)	451130	50.0000	51
9	Acetone	43	3.475	3.475	(0.625)	258952	50.0000	49
10	Carbon Disulfide	76	3.653	3.653	(0.657)	1748928	50.0000	50
11	Methyl Acetate	43	3.831	3.831	(0.689)	515305	50.0000	48
12	Methylene Chloride	84	3.936	3.936	(0.708)	557217	50.0000	52
13	trans-1,2-Dichloroethene	96	4.229	4.229	(0.761)	378793	50.0000	50
14	Methyl tert-Butyl Ether	73	4.229	4.229	(0.761)	1170965	50.0000	50
15	1,1-Dichloroethane	63	4.680	4.680	(0.842)	894362	50.0000	50
17	cis-1,2-Dichloroethene	96	5.308	5.308	(0.955)	406937	50.0000	50
16	2-Butanone	43	5.318	5.318	(0.957)	328985	50.0000	50
* 18	Bromochloromethane	128	5.559	5.559	(1.000)	184812	50.0000	-
19	Chloroform	83	5.643	5.643	(1.015)	814216	50.0000	50
20	1,1,1-Trichloroethane	97	5.853	5.853	(0.875)	659467	50.0000	50
21	Cyclohexane	56	5.915	5.915	(0.884)	723732	50.0000	51

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7327.D
Report Date: 02-Jul-2007 16:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	22 Carbon Tetrachloride	117	6.041	6.041	(0.903)	517173	50.0000	49
$	23 1,2-Dichloroethane-d4	65	6.198	6.198	(1.115)	646034	50.0000	50
	25 Benzene	78	6.272	6.272	(0.937)	1501380	50.0000	50
	24 1,2-Dichloroethane	62	6.282	6.282	(1.130)	842662	50.0000	51
*	26 1,4-Difluorobenzene	114	6.690	6.690	(1.000)	1058454	50.0000	
	27 Trichloroethene	130	7.005	7.005	(1.047)	375944	50.0000	50
	28 Methylcyclohexane	83	7.225	7.225	(1.080)	501638	50.0000	51
	29 1,2-Dichloropropane	63	7.267	7.267	(1.086)	482323	50.0000	50
	30 Bromodichloromethane	83	7.581	7.581	(1.133)	582643	50.0000	50
	31 cis-1,3-Dichloropropene	75	8.115	8.115	(1.213)	599402	50.0000	49
	32 4-Methyl-2-Pentanone	43	8.303	8.303	(0.805)	630699	50.0000	51
$	33 Toluene-d8	98	8.450	8.450	(0.819)	1208355	50.0000	50
	34 Toluene	91	8.534	8.534	(0.827)	1514597	50.0000	50
	35 trans-1,3-Dichloropropene	75	8.806	8.806	(1.316)	598197	50.0000	50
	36 1,1,2-Trichloroethane	97	9.037	9.037	(1.351)	331712	50.0000	49
	37 Tetrachloroethene	164	9.225	9.225	(0.894)	270239	50.0000	49
	38 2-Hexanone	43	9.361	9.361	(0.908)	440235	50.0000	51
	39 Dibromochloromethane	129	9.550	9.550	(1.427)	356358	50.0000	49
	40 1,2-Dibromoethane	107	9.707	9.707	(0.941)	378395	50.0000	49
*	42 Chlorobenzene-d5	117	10.314	10.314	(1.000)	939010	50.0000	
	43 Chlorobenzene	112	10.346	10.346	(1.003)	999158	50.0000	50
	44 Ethylbenzene	106	10.492	10.492	(1.017)	512298	50.0000	50(Q)
	45 m,p-Xylene	106	10.639	10.639	(1.031)	1308478	100.000	98(Q)
	46 o-Xylene	106	11.152	11.152	(1.081)	633829	50.0000	49
	47 Styrene	104	11.163	11.163	(1.082)	684830	50.0000	50
	48 Bromoform	173	11.393	11.393	(1.703)	216602	50.0000	49
M	41 Xylene (Total)	106				1942307	50.0000	150
	49 Isopropylbenzene	105	11.613	11.613	(1.126)	1681794	50.0000	50
$	50 Bromofluorobenzene	95	11.802	11.802	(1.144)	554787	50.0000	49
	51 1,1,2,2-Tetrachloroethane	83	11.980	11.980	(1.161)	426586	50.0000	49
	52 1,3-Dichlorobenzene	146	13.111	13.111	(1.271)	700664	50.0000	51
	53 1,4-Dichlorobenzene	146	13.215	13.215	(1.281)	713660	50.0000	51
	54 1,2-Dichlorobenzene	146	13.645	13.645	(1.323)	629422	50.0000	50
	55 1,2-Dibromo-3-chloropropane	75	14.525	14.525	(1.408)	69590	50.0000	49
	56 1,2,4-Trichlorobenzene	180	15.425	15.425	(1.496)	312516	50.0000	50

QC Flag Legend

Q - Qualifier signal failed the ratio test.

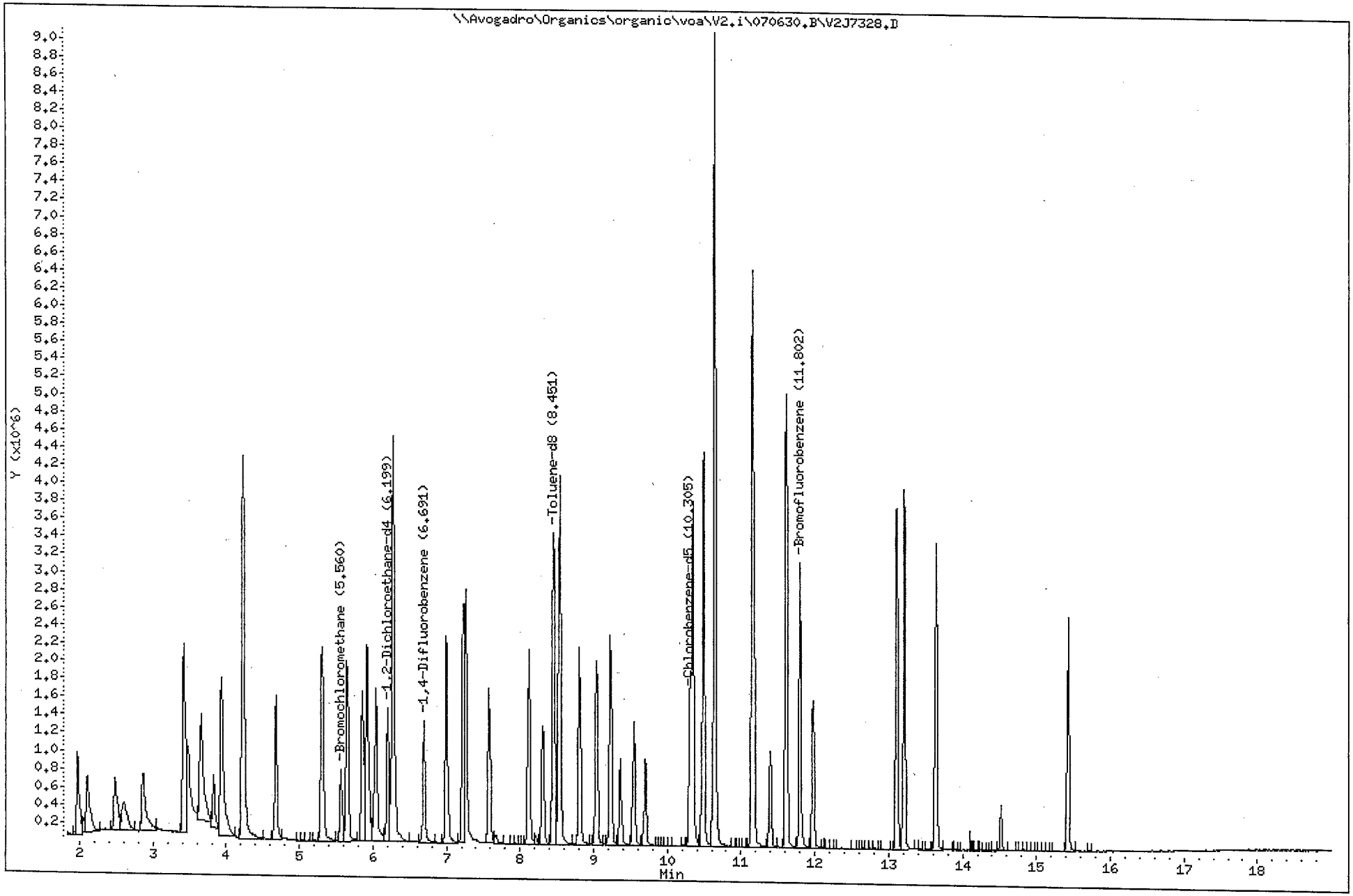
7/2/07

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7328.D
Date : 30-JUN-2007 06:00
Client ID: VSTD100H2
Sample Info: 5ML,VSTD100H2,VSTD100H2

Column phase: DB-624

Instrument: V2.i

Operator: HZ SRC: HZ
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7328.D
Report Date: 02-Jul-2007 16:40

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7328.D
Lab Smp Id: VSTD100H2 Client Smp ID: VSTD100H2
Inj Date : 30-JUN-2007 06:00
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 5ML,VSTD100H2,VSTD100H2
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 02-Jul-2007 12:21 weiluo Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.D
Als bottle: 100 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14
Processing Host: TARGET109

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.758	1.757	(0.316)	490344	100.000	92
2	Chloromethane	50	1.967	1.967	(0.353)	1354360	100.000	98
3	Vinyl Chloride	62	2.103	2.103	(0.378)	1322218	100.000	100
4	Bromomethane	94	2.480	2.480	(0.445)	803665	100.000	100
5	Chloroethane	64	2.596	2.606	(0.466)	758758	100.000	99
6	Trichlorofluoromethane	101	2.868	2.868	(0.515)	1233429	100.000	99
7	1,1-Dichloroethene	96	3.423	3.423	(0.615)	1016581	100.000	98
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.423	3.423	(0.615)	893328	100.000	98
9	Acetone	43	3.475	3.475	(0.624)	506494	100.000	94
10	Carbon Disulfide	76	3.653	3.653	(0.656)	3495722	100.000	98
11	Methyl Acetate	43	3.831	3.831	(0.688)	1006788	100.000	91
12	Methylene Chloride	84	3.936	3.936	(0.707)	1086497	100.000	99
13	trans-1,2-Dichloroethene	96	4.229	4.229	(0.759)	807881	100.000	100
14	Methyl tert-Butyl Ether	73	4.229	4.229	(0.759)	2348460	100.000	98
15	1,1-Dichloroethane	63	4.680	4.680	(0.840)	1813552	100.000	100
17	cis-1,2-Dichloroethene	96	5.308	5.308	(0.953)	837612	100.000	100
16	2-Butanone	43	5.319	5.318	(0.955)	666366	100.000	99
* 18	Bromochloromethane	128	5.570	5.559	(1.000)	189067	50.0000	
19	Chloroform	83	5.643	5.643	(1.013)	1646148	100.000	100
20	1,1,1-Trichloroethane	97	5.853	5.853	(0.875)	1362371	100.000	100
21	Cyclohexane	56	5.916	5.915	(0.884)	1456512	100.000	100

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7328.D
Report Date: 02-Jul-2007 16:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	22 Carbon Tetrachloride	117	6.041	6.041	(0.903)	1115241	100.000	100
$	23 1,2-Dichloroethane-d4	65	6.198	6.198	(1.113)	1276846	100.000	97
	25 Benzene	78	6.272	6.272	(0.937)	3032232	100.000	99
	24 1,2-Dichloroethane	62	6.282	6.282	(1.128)	1681993	100.000	99
*	26 1,4-Difluorobenzene	114	6.691	6.690	(1.000)	1078219	50.0000	
	27 Trichloroethene	130	7.005	7.005	(1.047)	781030	100.000	100
	28 Methylcyclohexane	83	7.225	7.225	(1.080)	982308	100.000	98
	29 1,2-Dichloropropane	63	7.267	7.267	(1.086)	980642	100.000	100
	30 Bromodichloromethane	83	7.581	7.581	(1.133)	1196999	100.000	100
	31 cis-1,3-Dichloropropene	75	8.115	8.115	(1.213)	1273698	100.000	100
	32 4-Methyl-2-Pentanone	43	8.304	8.303	(0.806)	1299014	100.000	100
$	33 Toluene-d8	98	8.450	8.450	(0.820)	2467225	100.000	100
	34 Toluene	91	8.534	8.534	(0.828)	3082778	100.000	100
	35 trans-1,3-Dichloropropene	75	8.806	8.806	(1.316)	1243598	100.000	100
	36 1,1,2-Trichloroethane	97	9.037	9.037	(1.351)	682356	100.000	99
	37 Tetrachloroethene	164	9.225	9.225	(0.895)	575218	100.000	100
	38 2-Hexanone	43	9.361	9.361	(0.909)	940444	100.000	110
	39 Dibromochloromethane	129	9.550	9.550	(1.427)	776735	100.000	100
	40 1,2-Dibromoethane	107	9.697	9.707	(0.941)	785729	100.000	100
*	42 Chlorobenzene-d5	117	10.304	10.314	(1.000)	954373	50.0000	
	43 Chlorobenzene	112	10.346	10.346	(1.004)	2074002	100.000	100
	44 Ethylbenzene	106	10.493	10.492	(1.018)	1076022	100.000	100
	45 m,p-Xylene	106	10.639	10.639	(1.033)	2815364	200.000	210
	46 o-Xylene	106	11.152	11.152	(1.082)	1371882	100.000	100
	47 Styrene	104	11.163	11.163	(1.083)	1508355	100.000	110
	48 Bromoform	173	11.393	11.393	(1.703)	495339	100.000	110
M	41 Xylene (Total)	106				4187246	100.000	320(A)
	49 Isopropylbenzene	105	11.613	11.613	(1.127)	3523456	100.000	100
$	50 Bromofluorobenzene	95	11.802	11.802	(1.145)	1196343	100.000	100
	51 1,1,2,2-Tetrachloroethane	83	11.980	11.980	(1.163)	923012	100.000	100
	52 1,3-Dichlorobenzene	146	13.111	13.111	(1.272)	1514179	100.000	110
	53 1,4-Dichlorobenzene	146	13.216	13.215	(1.283)	1552911	100.000	110
	54 1,2-Dichlorobenzene	146	13.645	13.645	(1.324)	1352360	100.000	110
	55 1,2-Dibromo-3-chloropropane	75	14.514	14.525	(1.409)	147832	100.000	100
	56 1,2,4-Trichlorobenzene	180	15.426	15.425	(1.497)	724552	100.000	110

SB 7/2/07

QC Flag Legend

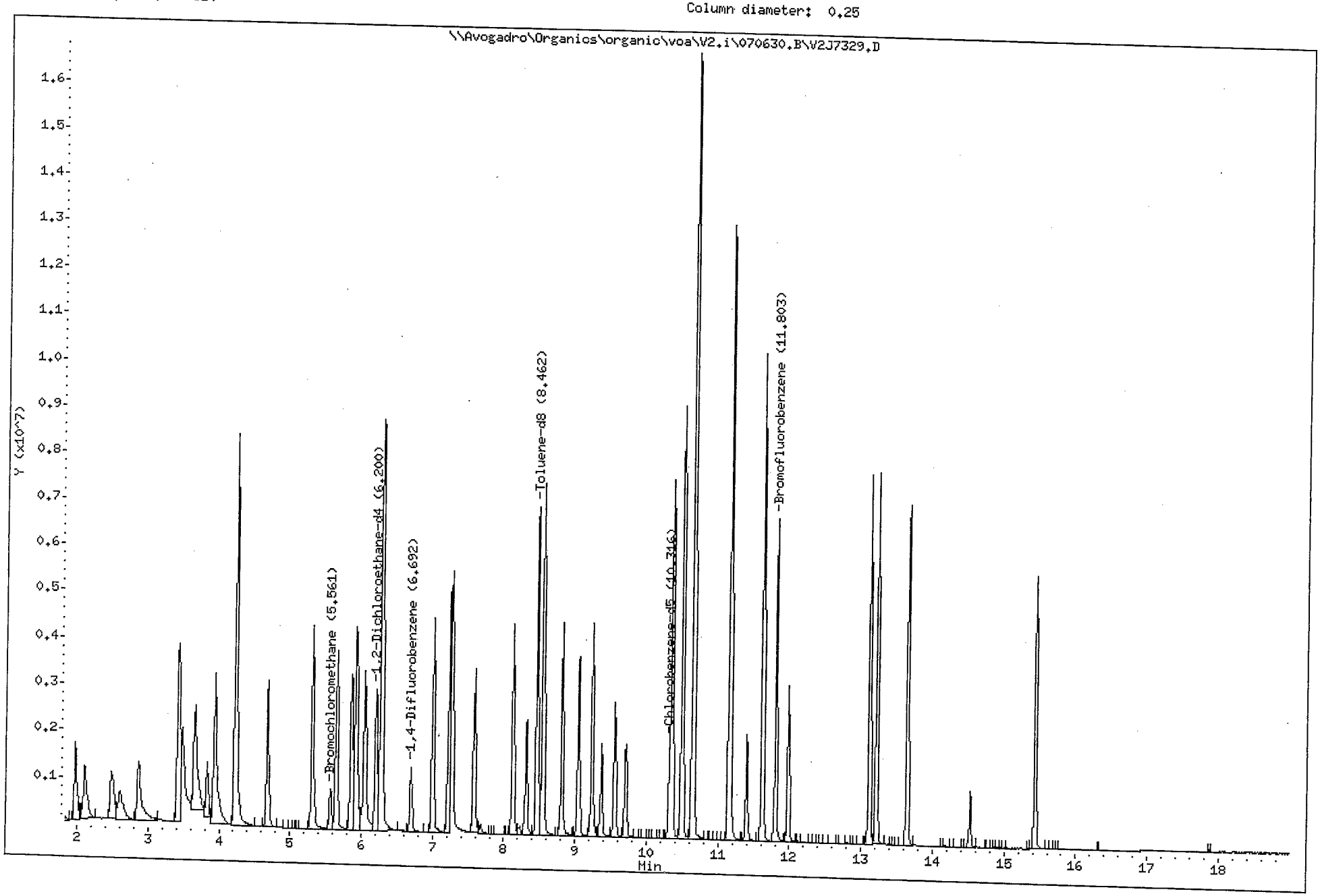
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7329.D
Date : 30-JUN-2007 06:28
Client ID: VSTD200H2
Sample Info: 5ML,VSTD200H2,VSTD200H2

Instrument: V2.i

Column phase: DB-624

Operator: HZ SRC: HZ
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7329.D
Report Date: 02-Jul-2007 16:40

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7329.D
Lab Smp Id: VSTD200H2 Client Smp ID: VSTD200H2
Inj Date : 30-JUN-2007 06:28
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 5ML,VSTD200H2,VSTD200H2
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 02-Jul-2007 12:21 weiluo Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.D
Als bottle: 100 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14
Processing Host: TARGET109

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.759	1.757	(0.316)	1032308	200.000	190
2	Chloromethane	50	1.968	1.967	(0.353)	2636402	200.000	180
3	Vinyl Chloride	62	2.094	2.103	(0.376)	2570942	200.000	190
4	Bromomethane	94	2.482	2.480	(0.445)	1510988	200.000	190
5	Chloroethane	64	2.597	2.606	(0.466)	1443163	200.000	180
6	Trichlorofluoromethane	101	2.859	2.868	(0.513)	2388787	200.000	180
7	1,1-Dichloroethene	96	3.424	3.423	(0.615)	1999674	200.000	180
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.424	3.423	(0.615)	1717352	200.000	180
9	Acetone	43	3.477	3.475	(0.624)	999758	200.000	180
10	Carbon Disulfide	76	3.655	3.653	(0.656)	6686226	200.000	180
11	Methyl Acetate	43	3.833	3.831	(0.688)	1862949	200.000	160
12	Methylene Chloride	84	3.937	3.936	(0.707)	2089900	200.000	180
13	trans-1,2-Dichloroethene	96	4.231	4.229	(0.759)	1607914	200.000	200
14	Methyl tert-Butyl Ether	73	4.231	4.229	(0.759)	4655559	200.000	190
15	1,1-Dichloroethane	63	4.681	4.680	(0.840)	3566687	200.000	190
17	cis-1,2-Dichloroethene	96	5.309	5.308	(0.953)	1672361	200.000	190
16	2-Butanone	43	5.320	5.318	(0.955)	1256586	200.000	180
* 18	Bromochloromethane	128	5.571	5.559	(1.000)	196853	50.0000	
19	Chloroform	83	5.655	5.643	(1.015)	3227621	200.000	190
20	1,1,1-Trichloroethane	97	5.854	5.853	(0.873)	2656038	200.000	190
21	Cyclohexane	56	5.917	5.915	(0.883)	2896174	200.000	190

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7329.D
Report Date: 02-Jul-2007 16:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	22 Carbon Tetrachloride	117	6.043	6.041	(0.902)	2211021	200.000	200
$	23 1,2-Dichloroethane-d4	65	6.200	6.198	(1.113)	2550023	200.000	190
	25 Benzene	78	6.273	6.272	(0.936)	5991932	200.000	190
	24 1,2-Dichloroethane	62	6.294	6.282	(1.130)	3308825	200.000	190
*	26 1,4-Difluorobenzene	114	6.702	6.690	(1.000)	1116507	50.0000	
	27 Trichloroethene	130	7.006	7.005	(1.045)	1549098	200.000	190
	28 Methylcyclohexane	83	7.226	7.225	(1.078)	2007806	200.000	190
	29 1,2-Dichloropropane	63	7.268	7.267	(1.084)	1950303	200.000	190
	30 Bromodichloromethane	83	7.582	7.581	(1.131)	2416939	200.000	200
	31 cis-1,3-Dichloropropene	75	8.127	8.115	(1.213)	2543939	200.000	200
	32 4-Methyl-2-Pentanone	43	8.315	8.303	(0.806)	2424236	200.000	180
$	33 Toluene-d8	98	8.462	8.450	(0.820)	4938715	200.000	190
	34 Toluene	91	8.546	8.534	(0.828)	5951245	200.000	180
	35 trans-1,3-Dichloropropene	75	8.808	8.806	(1.314)	2503957	200.000	200
	36 1,1,2-Trichloroethane	97	9.048	9.037	(1.350)	1363945	200.000	190
	37 Tetrachloroethene	164	9.237	9.225	(0.895)	1160136	200.000	200
	38 2-Hexanone	43	9.363	9.361	(0.908)	1862005	200.000	200
	39 Dibromochloromethane	129	9.551	9.550	(1.425)	1630985	200.000	210 (A)
	40 1,2-Dibromoethane	107	9.708	9.707	(0.941)	1609279	200.000	190
*	42 Chlorobenzene-d5	117	10.316	10.314	(1.000)	1014332	50.0000	
	43 Chlorobenzene	112	10.347	10.346	(1.003)	4148798	200.000	190
	44 Ethylbenzene	106	10.494	10.492	(1.017)	2239854	200.000	200
	45 m,p-Xylene	106	10.651	10.639	(1.032)	5792287	400.000	400
	46 o-Xylene	106	11.154	11.152	(1.081)	2921022	200.000	210 (A)
	47 Styrene	104	11.164	11.163	(1.082)	3205496	200.000	220 (A)
	48 Bromoform	173	11.394	11.393	(1.700)	1090961	200.000	230 (A)
M	41 Xylene (Total)	106				8713309	200.000	620 (A)
	49 Isopropylbenzene	105	11.614	11.613	(1.126)	6987490	200.000	190
$	50 Bromofluorobenzene	95	11.803	11.802	(1.144)	2493437	200.000	200
	51 1,1,2,2-Tetrachloroethane	83	11.981	11.980	(1.161)	1860639	200.000	200
	52 1,3-Dichlorobenzene	146	13.112	13.111	(1.271)	3092832	200.000	210 (A)
	53 1,4-Dichlorobenzene	146	13.217	13.215	(1.281)	3141406	200.000	210 (A)
	54 1,2-Dichlorobenzene	146	13.646	13.645	(1.323)	2790800	200.000	210 (A)
	55 1,2-Dibromo-3-chloropropane	75	14.516	14.525	(1.407)	320194	200.000	210 (A)
	56 1,2,4-Trichlorobenzene	180	15.427	15.425	(1.495)	1620079	200.000	240 (A)

QC Flag Legend

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

SB 7/2/07

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Instrument ID: V2 Calibration Date: 06/30/07 Time: 0531

Lab File ID: V2J7327 Init. Calib. Date(s): 06/30/07 06/30/07

EPA Sample No.(VSTD050##): VSTD050H2 Init. Calib. Times: 0435 0628

Heated Purge: (Y/N) N

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

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	1.404	1.456		3.7	
Chloromethane	3.657	3.633		-0.7	
Vinyl Chloride	3.482	3.528	0.100	1.3	25.0
Bromomethane	2.072	2.150	0.100	3.8	25.0
Chloroethane	2.031	2.060		1.4	
Trichlorofluoromethane	3.310	3.323		0.4	
1,1-Dichloroethene	2.748	2.692	0.100	-2.0	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.409	2.441		1.3	
Acetone	1.421	1.401		-1.4	
Carbon Disulfide	9.397	9.463		0.7	
Methyl Acetate	2.933	2.788		-4.9	
Methylene Chloride	2.908	3.015		3.7	
trans-1,2-Dichloroethene	2.051	2.050		-0.0	
Methyl tert-Butyl Ether	6.335	6.336		0.0	
1,1-Dichloroethane	4.796	4.839	0.200	0.9	25.0
cis-1,2-Dichloroethene	2.217	2.202		-0.7	
2-Butanone	1.779	1.780		0.1	
Chloroform	4.363	4.406	0.200	1.0	25.0
1,1,1-Trichloroethane	0.625	0.623	0.100	-0.3	25.0
Cyclohexane	0.676	0.684		1.2	
Carbon Tetrachloride	0.498	0.489	0.100	-1.8	25.0
Benzene	1.417	1.418	0.500	0.1	25.0
1,2-Dichloroethane	4.477	4.560	0.100	1.9	25.0
Trichloroethene	0.357	0.355	0.300	-0.6	25.0
Methylcyclohexane	0.467	0.474		1.5	

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.: MF0895

Instrument ID: V2 Calibration Date: 06/30/07 Time: 0531

Lab File ID: V2J7327 Init. Calib. Date(s): 06/30/07 06/30/07

EPA Sample No.(VSTD050##): VSTD050H2 Init. Calib. Times: 0435 0628

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	0.453	0.456		0.7	
Bromodichloromethane	0.549	0.550	0.200	0.2	25.0
cis-1,3-Dichloropropene	0.578	0.566	0.200	-2.1	25.0
4-Methyl-2-Pentanone	0.662	0.672		1.5	
Toluene	1.598	1.613	0.400	0.9	25.0
trans-1,3-Dichloropropene	0.565	0.565	0.100	0.0	25.0
1,1,2-Trichloroethane	0.318	0.313	0.100	-1.6	25.0
Tetrachloroethene	0.293	0.288	0.200	-1.7	25.0
2-Hexanone	0.462	0.469		1.5	
Dibromochloromethane	0.344	0.337	0.100	-2.0	25.0
1,2-Dibromoethane	0.412	0.403		-2.2	
Chlorobenzene	1.074	1.064	0.500	-0.9	25.0
Ethylbenzene	0.550	0.546	0.100	-0.7	25.0
Xylene (Total)	0.688	0.675	0.300	-1.9	25.0
Styrene	0.731	0.729	0.300	-0.3	25.0
Bromoform	0.211	0.205	0.100	-2.8	25.0
Isopropylbenzene	1.785	1.791		0.3	
1,1,2,2-Tetrachloroethane	0.466	0.454	0.300	-2.6	25.0
1,3-Dichlorobenzene	0.733	0.746	0.600	1.8	25.0
1,4-Dichlorobenzene	0.751	0.760	0.500	1.2	25.0
1,2-Dichlorobenzene	0.670	0.670	0.400	0.0	25.0
1,2-Dibromo-3-chloropropane	0.075	0.074		-1.3	
1,2,4-Trichlorobenzene	0.334	0.333	0.200	-0.3	25.0
Toluene-d8	1.287	1.287		0.0	
Bromofluorobenzene	0.607	0.591	0.200	-2.6	25.0
1,2-Dichloroethane-d4	3.466	3.496		0.9	

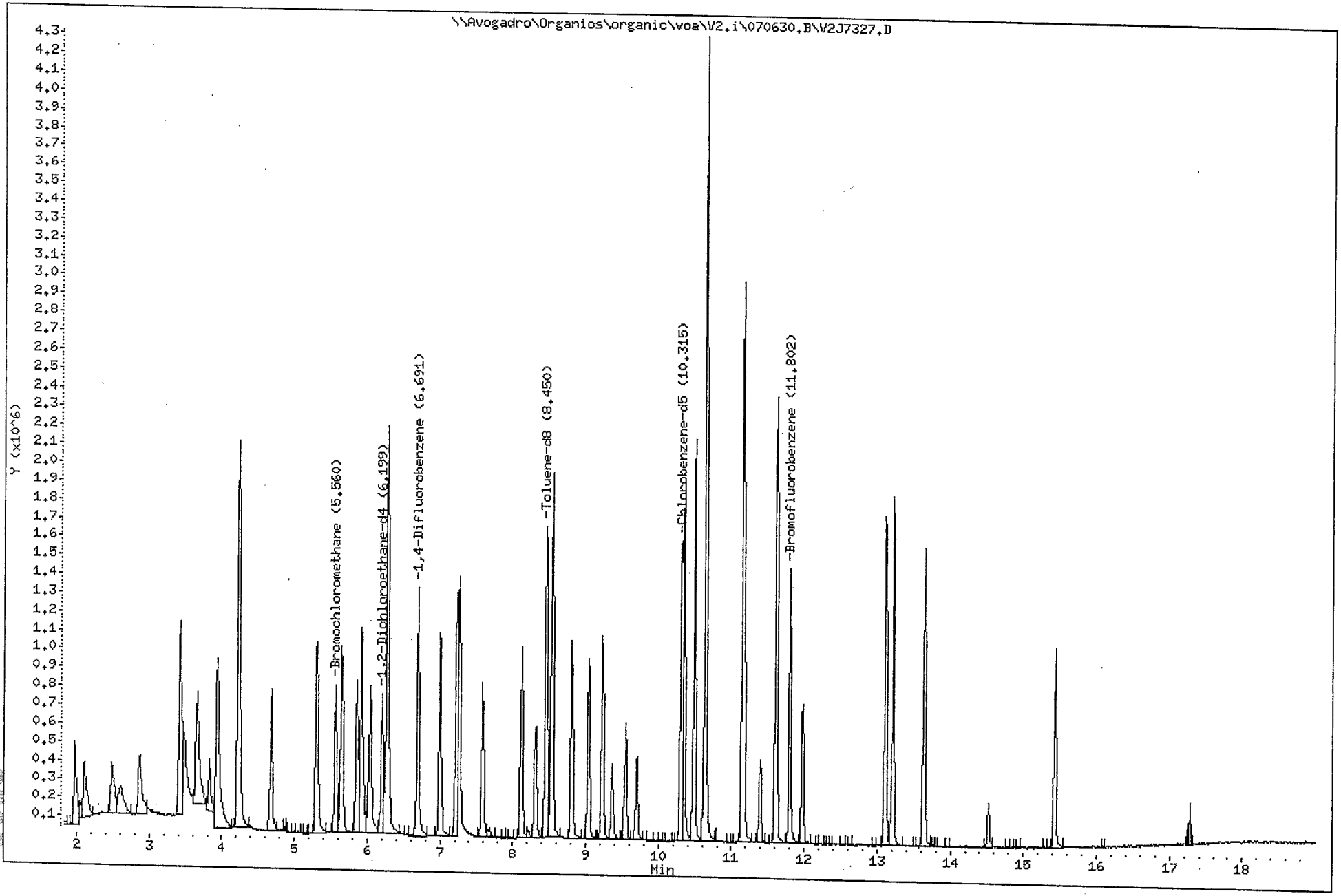
All other compounds must meet a minimum RRF of 0.010.

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7327.D
Date : 30-JUN-2007 05:31
Client ID: VSTD050H2
Sample Info: 5ML,VSTD050H2,VSTD050H2

Instrument: V2.i

Operator: HZ SRC: HZ
Column diameter: 0.25

Column phase: DB-624



Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7327.D
Report Date: 02-Jul-2007 16:40

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7327.D
Lab Smp Id: VSTD050H2 Client Smp ID: VSTD050H2
Inj Date : 30-JUN-2007 05:31
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 5ML,VSTD050H2,VSTD050H2
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 02-Jul-2007 12:21 weiluo Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.D
Als bottle: 100 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14
Processing Host: TARGET109

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
1	Dichlorodifluoromethane	85	1.757	1.757	(0.316)	269126	50.0000	52
2	Chloromethane	50	1.967	1.967	(0.354)	671407	50.0000	50
3	Vinyl Chloride	62	2.103	2.103	(0.378)	651992	50.0000	51
4	Bromomethane	94	2.480	2.480	(0.446)	397387	50.0000	52
5	Chloroethane	64	2.606	2.606	(0.469)	380648	50.0000	51
6	Trichlorofluoromethane	101	2.868	2.868	(0.516)	614039	50.0000	50
7	1,1-Dichloroethene	96	3.423	3.423	(0.616)	497500	50.0000	49
8	1,1,2-Trichloro-1,2,2-trifluo	101	3.423	3.423	(0.616)	451130	50.0000	51
9	Acetone	43	3.475	3.475	(0.625)	258952	50.0000	49
10	Carbon Disulfide	76	3.653	3.653	(0.657)	1748928	50.0000	50
11	Methyl Acetate	43	3.831	3.831	(0.689)	515305	50.0000	48
12	Methylene Chloride	84	3.936	3.936	(0.708)	557217	50.0000	52
13	trans-1,2-Dichloroethene	96	4.229	4.229	(0.761)	378793	50.0000	50
14	Methyl tert-Butyl Ether	73	4.229	4.229	(0.761)	1170965	50.0000	50
15	1,1-Dichloroethane	63	4.680	4.680	(0.842)	894362	50.0000	50
17	cis-1,2-Dichloroethene	96	5.308	5.308	(0.955)	406937	50.0000	50
16	2-Butanone	43	5.318	5.318	(0.957)	328985	50.0000	50
* 18	Bromochloromethane	128	5.559	5.559	(1.000)	184812	50.0000	-
19	Chloroform	83	5.643	5.643	(1.015)	814216	50.0000	50
20	1,1,1-Trichloroethane	97	5.853	5.853	(0.875)	659467	50.0000	50
21	Cyclohexane	56	5.915	5.915	(0.884)	723732	50.0000	51

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7327.D
Report Date: 02-Jul-2007 16:40

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	22 Carbon Tetrachloride	117	6.041	6.041	(0.903)	517173	50.0000	49
$	23 1,2-Dichloroethane-d4	65	6.198	6.198	(1.115)	646034	50.0000	50
	25 Benzene	78	6.272	6.272	(0.937)	1501380	50.0000	50
	24 1,2-Dichloroethane	62	6.282	6.282	(1.130)	842662	50.0000	51
*	26 1,4-Difluorobenzene	114	6.690	6.690	(1.000)	1058454	50.0000	
	27 Trichloroethene	130	7.005	7.005	(1.047)	375944	50.0000	50
	28 Methylcyclohexane	83	7.225	7.225	(1.080)	501638	50.0000	51
	29 1,2-Dichloropropane	63	7.267	7.267	(1.086)	482323	50.0000	50
	30 Bromodichloromethane	83	7.581	7.581	(1.133)	582643	50.0000	50
	31 cis-1,3-Dichloropropene	75	8.115	8.115	(1.213)	599402	50.0000	49
	32 4-Methyl-2-Pentanone	43	8.303	8.303	(0.805)	630699	50.0000	51
$	33 Toluene-d8	98	8.450	8.450	(0.819)	1208355	50.0000	50
	34 Toluene	91	8.534	8.534	(0.827)	1514597	50.0000	50
	35 trans-1,3-Dichloropropene	75	8.806	8.806	(1.316)	598197	50.0000	50
	36 1,1,2-Trichloroethane	97	9.037	9.037	(1.351)	331712	50.0000	49
	37 Tetrachloroethene	164	9.225	9.225	(0.894)	270239	50.0000	49
	38 2-Hexanone	43	9.361	9.361	(0.908)	440235	50.0000	51
	39 Dibromochloromethane	129	9.550	9.550	(1.427)	356358	50.0000	49
	40 1,2-Dibromoethane	107	9.707	9.707	(0.941)	378395	50.0000	49
*	42 Chlorobenzene-d5	117	10.314	10.314	(1.000)	939010	50.0000	
	43 Chlorobenzene	112	10.346	10.346	(1.003)	999158	50.0000	50
	44 Ethylbenzene	106	10.492	10.492	(1.017)	512298	50.0000	50 (Q)
	45 m,p-Xylene	106	10.639	10.639	(1.031)	1308478	100.000	98 (Q)
	46 o-Xylene	106	11.152	11.152	(1.081)	633829	50.0000	49
	47 Styrene	104	11.163	11.163	(1.082)	684830	50.0000	50
	48 Bromoform	173	11.393	11.393	(1.703)	216602	50.0000	49
M	41 Xylene (Total)	106				1942307	50.0000	150
	49 Isopropylbenzene	105	11.613	11.613	(1.126)	1681794	50.0000	50
$	50 Bromofluorobenzene	95	11.802	11.802	(1.144)	554787	50.0000	49
	51 1,1,2,2-Tetrachloroethane	83	11.980	11.980	(1.161)	426586	50.0000	49
	52 1,3-Dichlorobenzene	146	13.111	13.111	(1.271)	700664	50.0000	51
	53 1,4-Dichlorobenzene	146	13.215	13.215	(1.281)	713660	50.0000	51
	54 1,2-Dichlorobenzene	146	13.645	13.645	(1.323)	629422	50.0000	50
	55 1,2-Dibromo-3-chloropropane	75	14.525	14.525	(1.408)	69590	50.0000	49
	56 1,2,4-Trichlorobenzene	180	15.425	15.425	(1.496)	312516	50.0000	50

QC Flag Legend

Q - Qualifier signal failed the ratio test.

SB 7/2/07

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7324.D

Date : 30-JUN-2007 04:06

Client ID: BFBH2

Instrument: V2.i

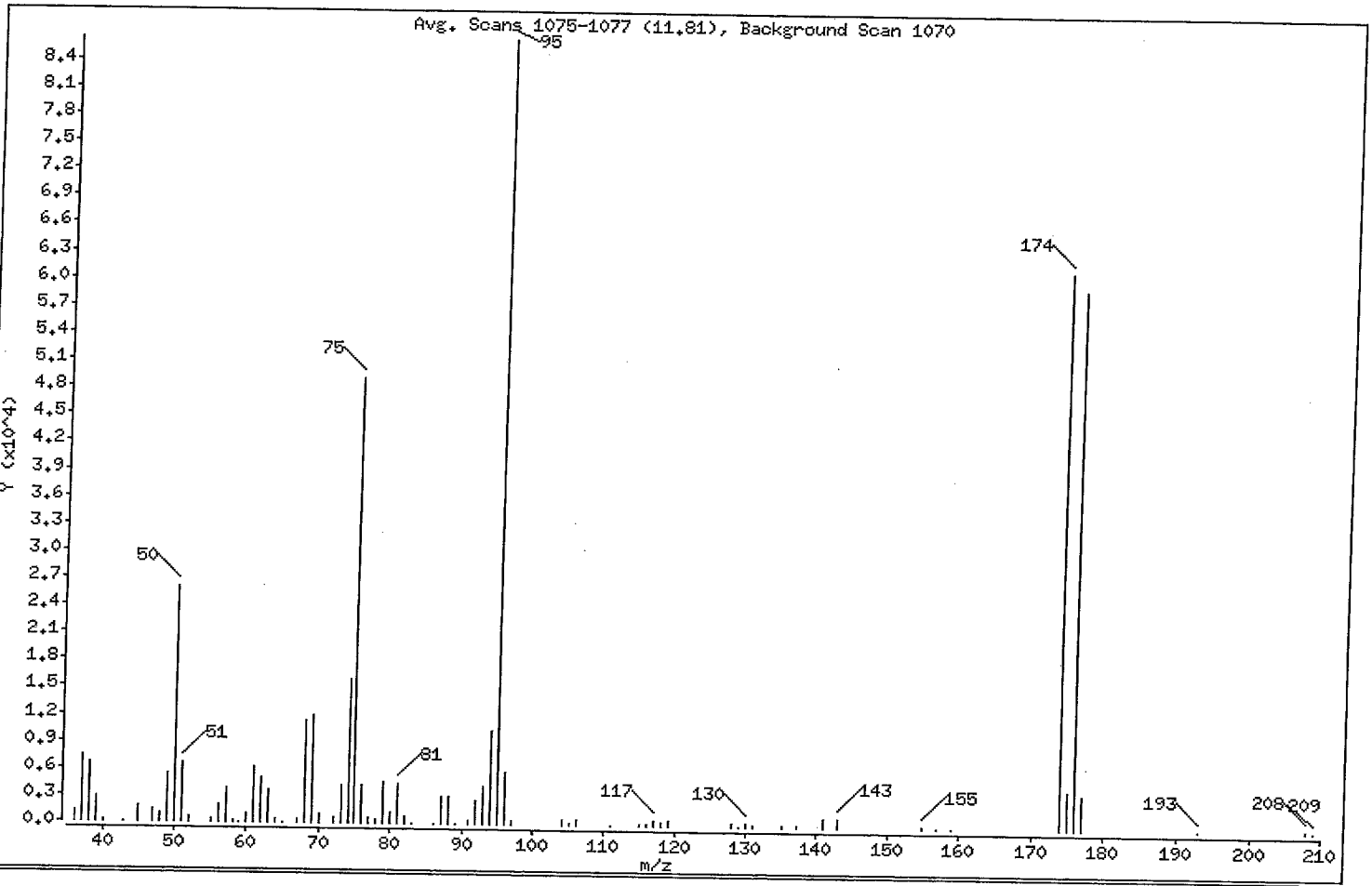
Sample Info: 2UL,BFBH2,BFBH2

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	30.01
75	30.00 - 66.00% of mass 95	56.76
96	5.00 - 9.00% of mass 95	6.63
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	70.96
175	4.00 - 9.00% of mass 174	4.91 (6.92)
176	93.00 - 101.00% of mass 174	68.65 (96.75)
177	5.00 - 9.00% of mass 176	4.37 (6.36)

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7324.D

Date : 30-JUN-2007 04:06

Client ID: BFBH2

Instrument: V2.i

Sample Info: 2UL,BFBH2,BFBH2

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25

Data File: V2J7324.D

Spectrum: Avg. Scans 1075-1077 (11.81), Background Scan 1070

Location of Maximum: 95.00

Number of points: 78

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1189	62.00	4966	86.00	70	128.00	410
37.00	7385	63.00	3480	87.00	3037	129.00	74
38.00	6646	64.00	458	88.00	2971	130.00	470
39.00	2794	65.00	94	89.00	89	131.00	136
40.00	167	67.00	436	91.00	427	135.00	114
43.00	21	68.00	11380	92.00	2637	137.00	146
45.00	1722	69.00	11819	93.00	4106	141.00	917
47.00	1463	70.00	984	94.00	10320	143.00	950
48.00	983	72.00	602	95.00	86336	155.00	249
49.00	5326	73.00	4187	96.00	5728	157.00	75
50.00	25912	74.00	15953	97.00	301	159.00	74
51.00	6514	75.00	49000	104.00	603	174.00	61264
52.00	501	76.00	4222	105.00	229	175.00	4237
55.00	409	77.00	592	106.00	564	176.00	59272
56.00	1953	78.00	441	111.00	75	177.00	3770
57.00	3697	79.00	4521	115.00	234	193.00	71
58.00	248	80.00	1197	116.00	235	208.00	124
59.00	66	81.00	4439	117.00	660	209.00	89
60.00	929	82.00	822	118.00	396		
61.00	6158	83.00	76	119.00	498		

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7324.D

Date : 30-JUN-2007 04:06

Client ID: BFBH2

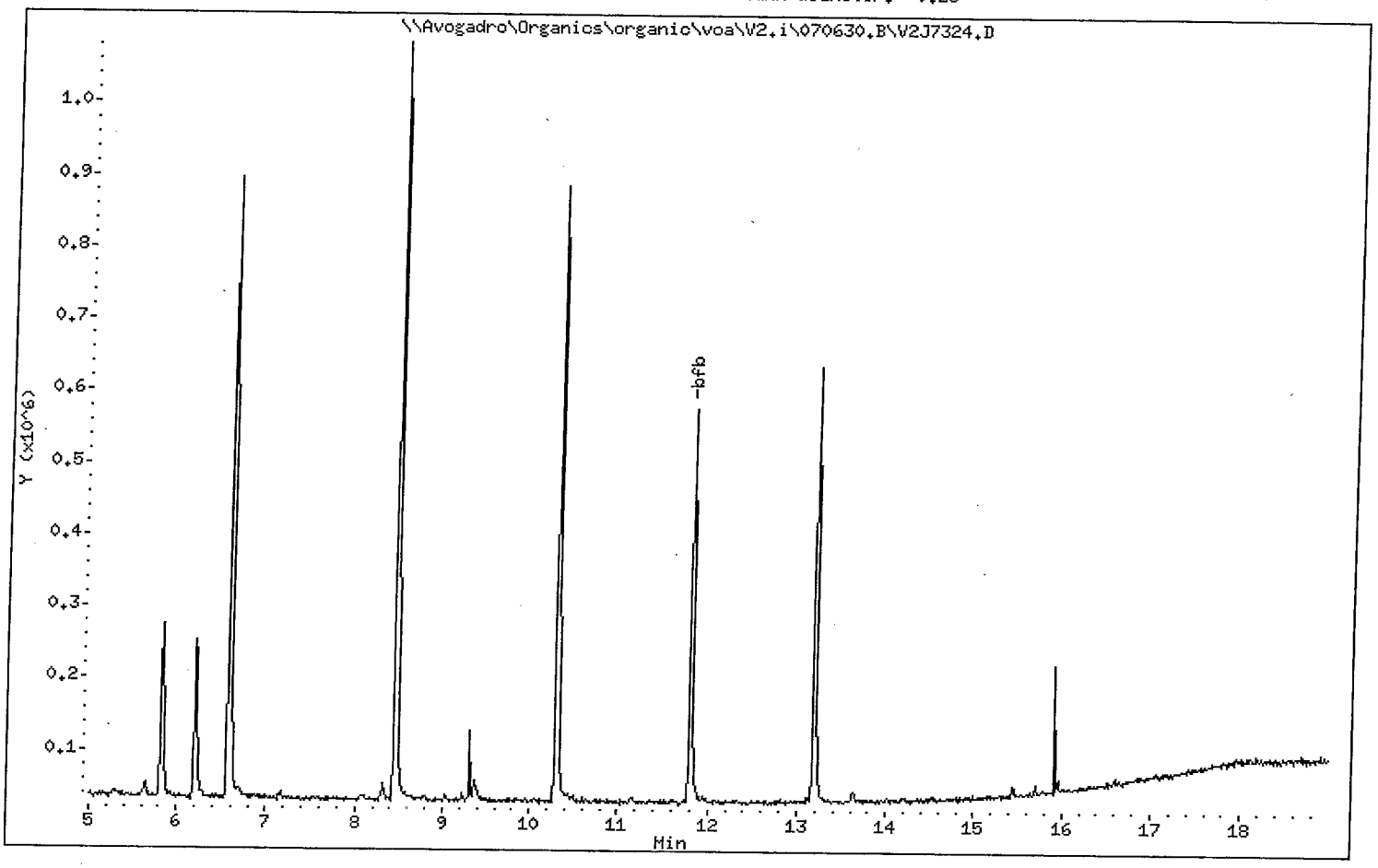
Instrument: V2.i

Sample Info: 2UL,BFBH2,BFBH2

Operator: HZ SRC: HZ

Column phase: DB-624

Column diameter: 0.25



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKI2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: MB-30902

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7332

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

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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.

VBLKI2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: MB-30902

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7332

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

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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.

VBLKI2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: MB-30902

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7332

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

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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

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

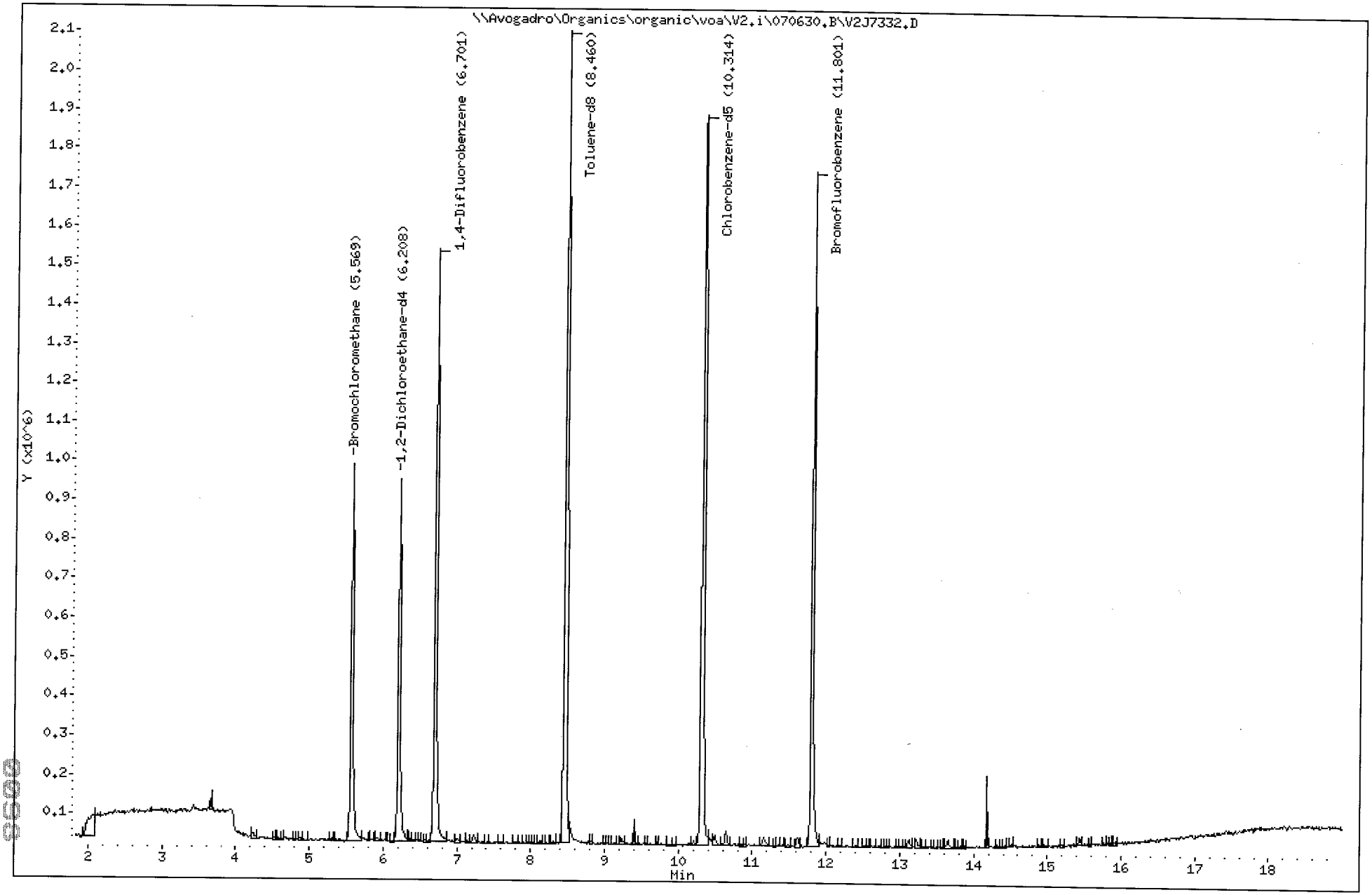
Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	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\070630.B\V2J7332.D
Date : 30-JUN-2007 07:52
Client ID: VBLKI2
Sample Info: 5ML,MB-30902,VBLKI2,30902
Purge Volume: 5.0
Column phase: DB-624

Instrument: V2.i

Operator: HZ SRC: LIMS
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7332.D
Report Date: 11-Jul-2007 10:28

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7332.D
Lab Smp Id: MB-30902 Client Smp ID: VBLKI2
Inj Date : 30-JUN-2007 07:52
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,MB-30902,VBLKI2,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.D
Als bottle: 100 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
*	18 Bromochloromethane	128	5.569	5.559	(1.000)	236144	50.0000	
$	23 1,2-Dichloroethane-d4	65	6.208	6.198	(1.115)	831090	50.3403	50
*	26 1,4-Difluorobenzene	114	6.700	6.690	(1.000)	1282063	50.0000	
$	33 Toluene-d8	98	8.460	8.450	(0.820)	1515340	51.7146	52
*	42 Chlorobenzene-d5	117	10.313	10.314	(1.000)	1138524	50.0000	
$	50 Bromofluorobenzene	95	11.801	11.802	(1.144)	658972	48.9822	49

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7332.D
Report Date: 11-Jul-2007 10:28

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7332.D
Lab Smp Id: MB-30902 Client Smp ID: VBLKI2
Inj Date : 30-JUN-2007 07:52
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,MB-30902,VBLKI2,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.D
Als bottle: 100 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKH2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: VHBLKH2

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7349

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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.

VHBLKH2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: VHBLKH2

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7349

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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

VHBLKH2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: VHBLKH2

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7349

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

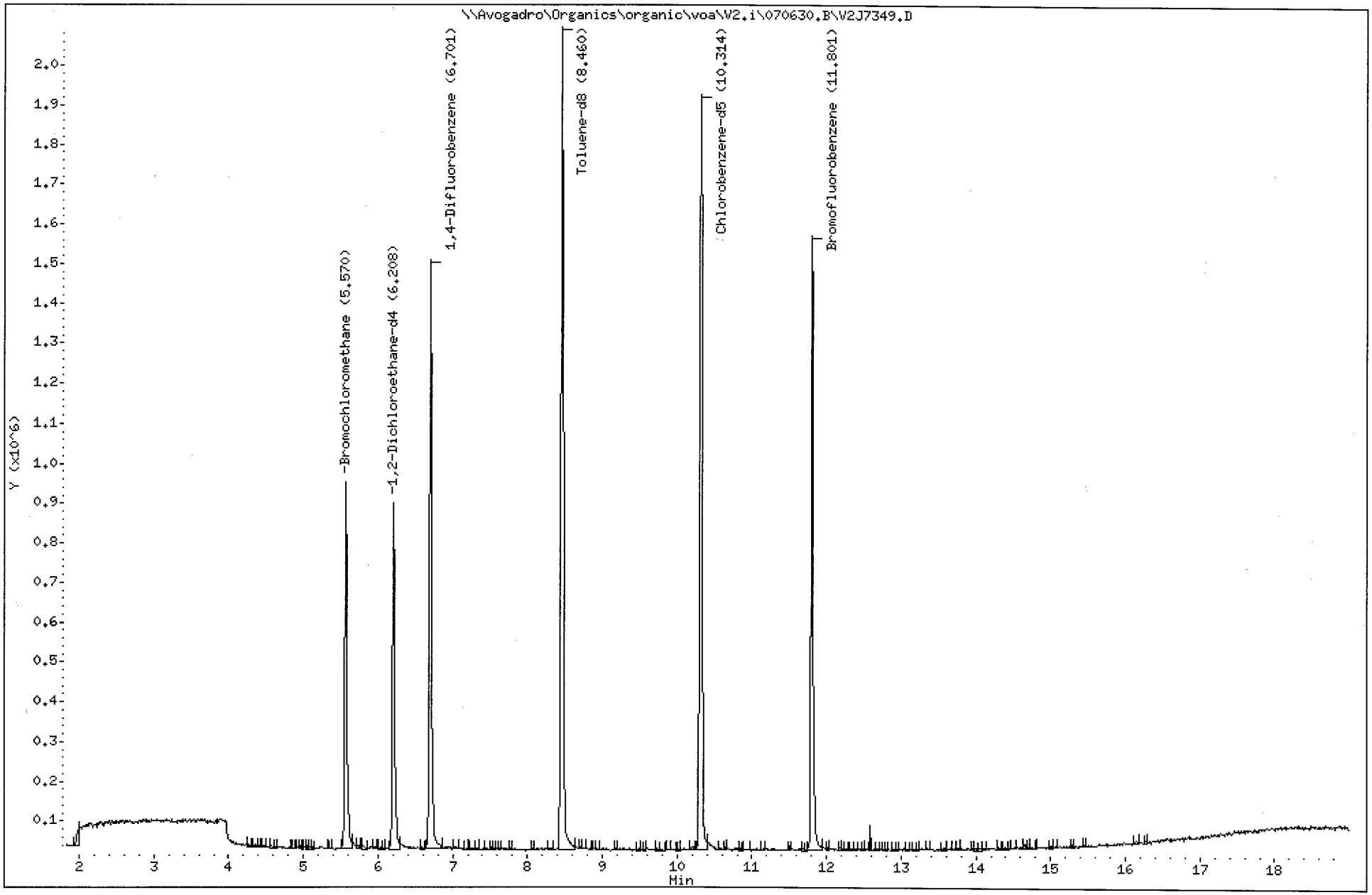
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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\070630.B\V2J7349.D
Date : 30-JUN-2007 15:52
Client ID: VHBLKH2
Instrument: V2.i
Sample Info: 5ML,VHBLKH2,VHBLKH2,30902
Purge Volume: 5.0
Operator: HZ SRC: HZ
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7349.D
Report Date: 23-Jul-2007 15:19

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7349.D
Lab Smp Id: VHBLKH2 Client Smp ID: VHBLKH2
Inj Date : 30-JUN-2007 15:52
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 5ML,VHBLKH2,VHBLKH2,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.D
Als bottle: 100 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 18 Bromochloromethane	128	5.569	5.559	(1.000)	216203	50.0000	
$ 23 1,2-Dichloroethane-d4	65	6.208	6.198	(1.115)	765722	50.6587	51
* 26 1,4-Difluorobenzene	114	6.700	6.690	(1.000)	1183657	50.0000	
$ 33 Toluene-d8	98	8.460	8.450	(0.820)	1423488	51.3638	51
* 42 Chlorobenzene-d5	117	10.314	10.314	(1.000)	1076819	50.0000	
$ 50 Bromofluorobenzene	95	11.801	11.802	(1.144)	596517	46.8807	47

WL
07/27/07

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7349.D
Report Date: 23-Jul-2007 15:19

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7349.D
Lab Smp Id: VHBLKH2 Client Smp ID: VHBLKH2
Inj Date : 30-JUN-2007 15:52
Operator : HZ SRC: HZ Inst ID: V2.i
Smp Info : 5ML,VHBLKH2,VHBLKH2,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.D
Als bottle: 100 QC Sample: STORAGEBLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7345.D
Report Date: 16-Jul-2007 15:38

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7345.D
Lab Smp Id: F0895-08A Client Smp ID: SW04/O
Inj Date : 30-JUN-2007 13:59
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,F0895-08A,,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.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	5.571	2123041	50.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Silanol, trimethyl-				CAS #: 1066-40-6			
5.225	676985	15.9437462	16	91	NIST2002.L	2204	18(L)

QC Flag Legend

L - Operator selected an alternate library search match.

Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7345.D

Date : 30-JUN-2007 13:59

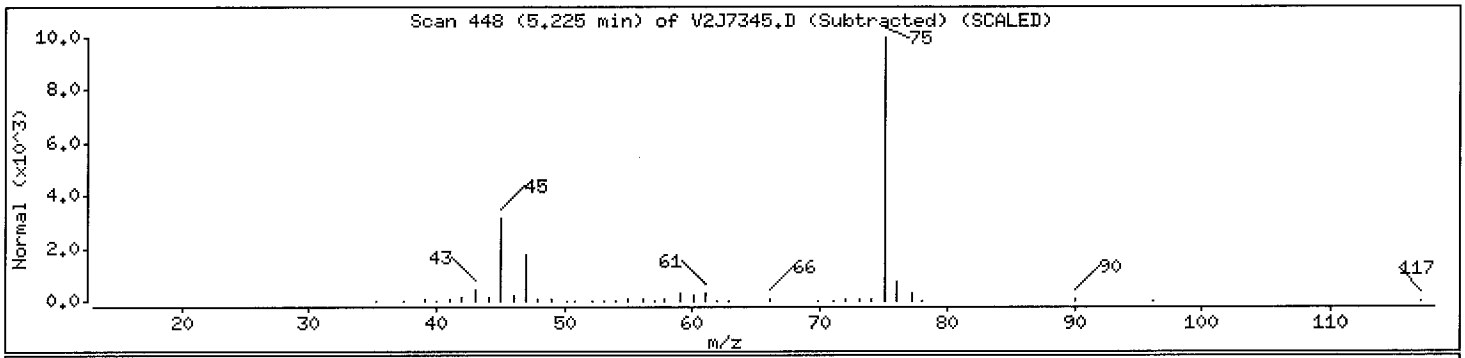
Client ID: SW04/0 Instrument: V2.i

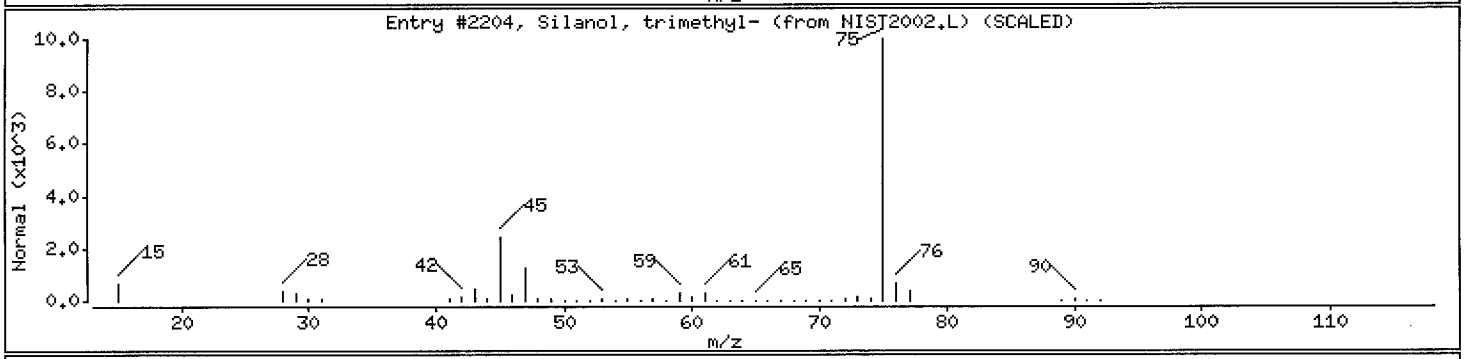
Sample Info: 5ML,F0895-08A,,30902

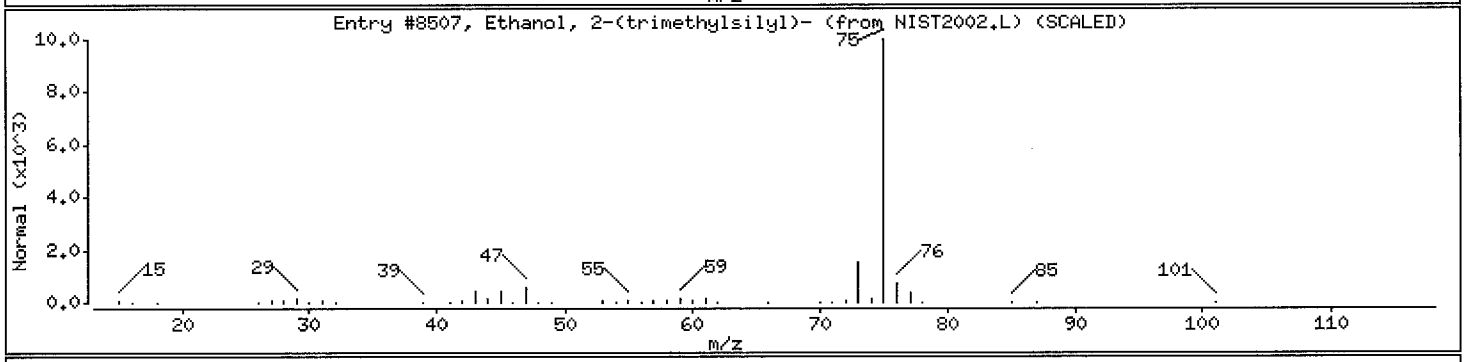
Purge Volume: 5.0 Operator: HZ SRC: LIMS

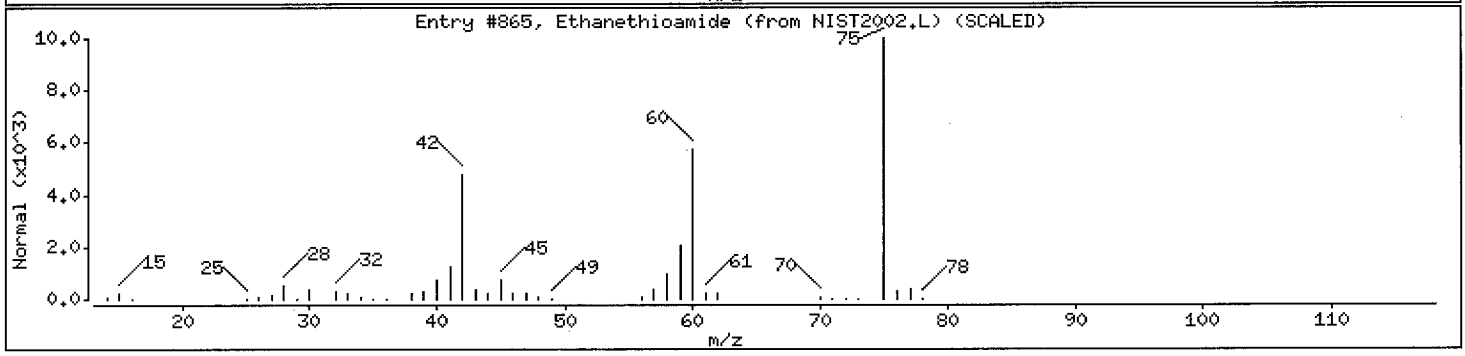
Column phase: DB-624 Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Silanol, trimethyl-	1066-40-6	NIST2002.L	2204	91	C3H10OSi	90
Ethanol, 2-(trimethylsilyl)-	2916-68-9	NIST2002.L	8507	56	C5H14OSi	118
Ethanethioamide	62-55-5	NIST2002.L	865	9	C2H5NS	75









1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VH2LCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: LCS-30902

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7333

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

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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	43	
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	43	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VH2LCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: LCS-30902

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7333

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

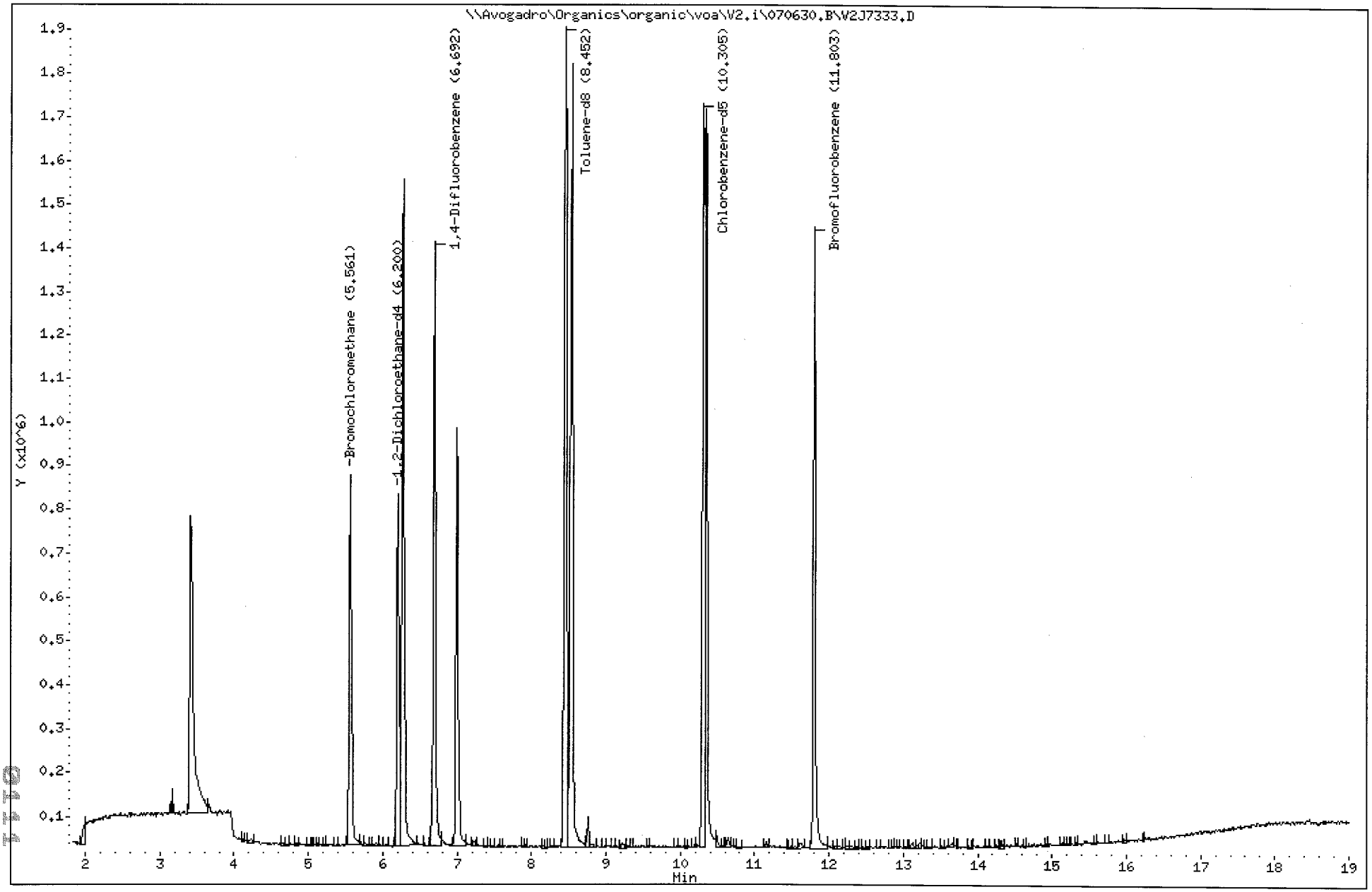
% Moisture: not dec. _____ Date Analyzed: 06/30/07

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	40	
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	42	
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	42	
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\070630.B\V2J7333.D
Date : 30-JUN-2007 08:21
Client ID: VH2LCS
Instrument: V2.i
Sample Info: 5ML,LCS-30902,VH2LCS,30902
Purge Volume: 5.0
Operator: HZ SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7333.D
Report Date: 11-Jul-2007 10:28

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7333.D
Lab Smp Id: LCS-30902 Client Smp ID: VH2LCS
Inj Date : 30-JUN-2007 08:21
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,LCS-30902,VH2LCS,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.D
Als bottle: 100 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
	7 1,1-Dichloroethene	96	3.413	3.423	(0.614)	469294	42.8392	43
*	18 Bromochloromethane	128	5.560	5.559	(1.000)	203475	50.0000	
$	23 1,2-Dichloroethane-d4	65	6.199	6.198	(1.115)	725506	51.0005	51
	25 Benzene	78	6.273	6.272	(0.937)	1312408	42.6752	43
*	26 1,4-Difluorobenzene	114	6.692	6.690	(1.000)	1084039	50.0000	
	27 Trichloroethene	130	6.995	7.005	(1.045)	311363	40.4335	40
$	33 Toluene-d8	98	8.451	8.450	(0.820)	1323788	52.6112	53
	34 Toluene	91	8.535	8.534	(0.828)	1335308	42.3388	42
*	42 Chlorobenzene-d5	117	10.305	10.314	(1.000)	977655	50.0000	
	43 Chlorobenzene	112	10.347	10.346	(1.004)	869222	41.7783	42
$	50 Bromofluorobenzene	95	11.803	11.802	(1.145)	555264	48.0649	48

WL
07/11/07

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW02MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-02AMS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7338

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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	45	
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	45	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW02MS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-02AMS

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7338

Level: (low/med) LOW Date Received: 06/28/07

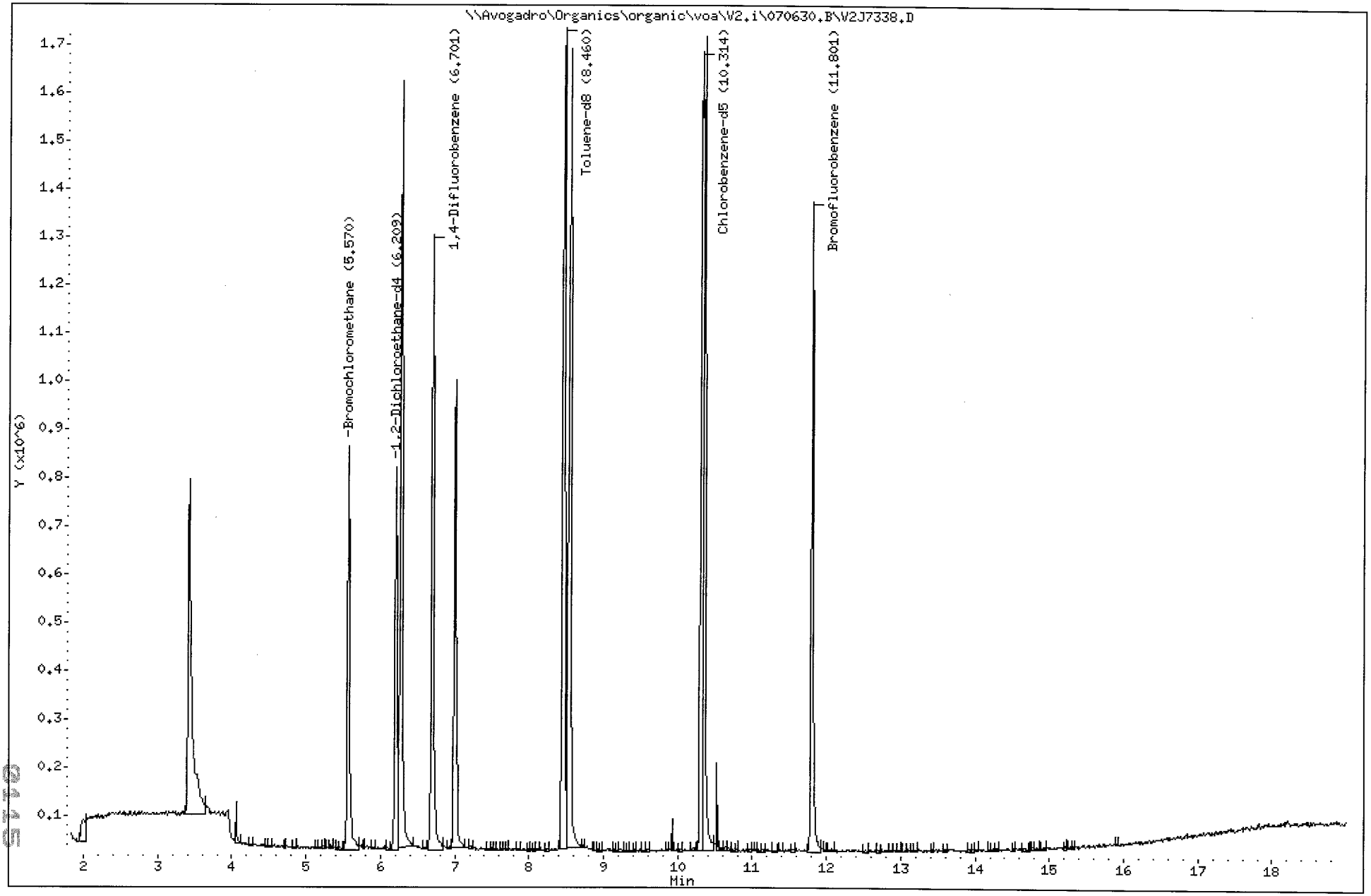
% Moisture: not dec. _____ Date Analyzed: 06/30/07

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	42	
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	45	
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	45	
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\070630.B\V2J7338.D
Date : 30-JUN-2007 10:41
Client ID: SW02MS
Instrument: V2.i
Sample Info: 5ML,F0895-02AMS,,30902
Purge Volume: 5.0
Operator: HZ SRC: LIMS
Column phase: DB-624
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7338.D
Report Date: 10-Jul-2007 17:01

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7338.D
Lab Smp Id: F0895-02AMS Client Smp ID: SW02MS
Inj Date : 30-JUN-2007 10:41
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,F0895-02AMS,,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.D
Als bottle: 100 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	7 1,1-Dichloroethene	96	3.422	3.423	(0.615)	478281	44.7849	45
*	18 Bromochloromethane	128	5.569	5.559	(1.000)	198362	50.0000	
$	23 1,2-Dichloroethane-d4	65	6.208	6.198	(1.115)	721945	52.0584	52
	25 Benzene	78	6.271	6.272	(0.936)	1366019	44.8623	45
*	26 1,4-Difluorobenzene	114	6.700	6.690	(1.000)	1073314	50.0000	
	27 Trichloroethene	130	7.004	7.005	(1.045)	318518	41.7759	42
$	33 Toluene-d8	98	8.460	8.450	(0.820)	1266059	51.9996	52
	34 Toluene	91	8.544	8.534	(0.828)	1377892	45.1501	45
*	42 Chlorobenzene-d5	117	10.314	10.314	(1.000)	946018	50.0000	
	43 Chlorobenzene	112	10.345	10.346	(1.003)	904807	44.9431	45
$	50 Bromofluorobenzene	95	11.801	11.802	(1.144)	516134	46.1718	46

VL
07/11/07

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW02MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-02AMSD

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7339

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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	49	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	50	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW02MSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF0895

Matrix: (soil/water) WATER Lab Sample ID: F0895-02AMSD

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J7339

Level: (low/med) LOW Date Received: 06/28/07

% Moisture: not dec. _____ Date Analyzed: 06/30/07

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

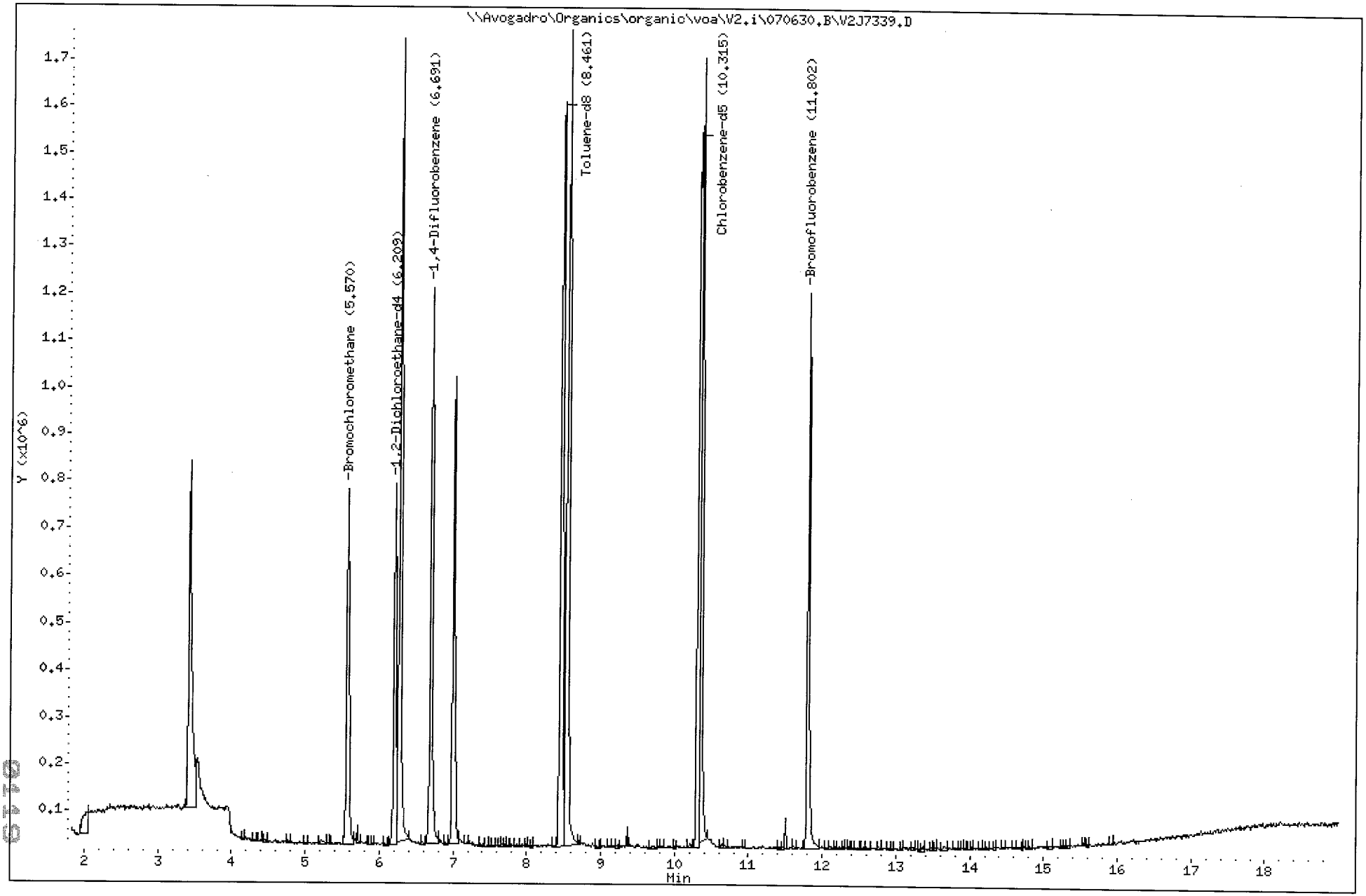
Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	46	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	51	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	49	
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\070630.B\V2J7339.D
Date : 30-JUN-2007 11:09
Client ID: SW02MSD
Sample Info: 5ML,F0895-02AMSD,,30902
Purge Volume: 5.0
Column phase: DB-624

Instrument: V2.i

Operator: HZ SRC: LIMS
Column diameter: 0.25



Data File: \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7339.D
Report Date: 10-Jul-2007 17:01

Mitkem Corporation

CLP OLM4.X - Water and Medium Soils

Data file : \\Avogadro\Organics\organic\voa\V2.i\070630.B\V2J7339.D
Lab Smp Id: F0895-02AMSD Client Smp ID: SW02MSD
Inj Date : 30-JUN-2007 11:09
Operator : HZ SRC: LIMS Inst ID: V2.i
Smp Info : 5ML,F0895-02AMSD,,30902
Misc Info :
Comment :
Method : \\Avogadro\Organics\organic\voa\V2.i\070630.B\v2clp4S.m
Meth Date : 10-Jul-2007 10:03 sbotvin Quant Type: ISTD
Cal Date : 30-JUN-2007 05:31 Cal File: V2J7327.D
Als bottle: 100 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: CLP4.sub
Target Version: 4.14

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	7 1,1-Dichloroethene	96	3.423	3.423	(0.615)	503607	49.4718	49
*	18 Bromochloromethane	128	5.570	5.559	(1.000)	189078	50.0000	
$	23 1,2-Dichloroethane-d4	65	6.208	6.198	(1.115)	697986	52.8020	53
	25 Benzene	78	6.271	6.272	(0.936)	1455388	50.3189	50
*	26 1,4-Difluorobenzene	114	6.701	6.690	(1.000)	1019528	50.0000	
	27 Trichloroethene	130	7.004	7.005	(1.045)	330281	45.6040	46
$	33 Toluene-d8	98	8.460	8.450	(0.820)	1170862	52.8542	53
	34 Toluene	91	8.544	8.534	(0.828)	1410411	50.7946	51
*	42 Chlorobenzene-d5	117	10.314	10.314	(1.000)	860739	50.0000	
	43 Chlorobenzene	112	10.346	10.346	(1.003)	896540	48.9445	49
$	50 Bromofluorobenzene	95	11.801	11.802	(1.144)	448740	44.1202	44

WL
07/10/07

Mitkem Corporation
Volatiles Laboratory

Instrument V2 Injection Log

METHOD: OLM-W
ICAL DATE: 6/2/07

ANALYST: WL
EMV:

BATCH: 070630.B

Start: 30-JUN-07 04:06
End: 30-JUN-07 15:52

Comments:

IS - VW0706 30A
SS - VW0706 30B
STD - VW0706 30C
LCS - VW0706 30D

Reviewed By: SB 7/2/07

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
V2J7324	04:06	BFBH2	BFBH2		AQ								1		ok	
V2J7325	04:35	VSTD010H2	VSTD010H2		SL		91	89	90				1		ok	
V2J7326	05:03	VSTD020H2	VSTD020H2		SL		96	94	94				1		ok	
V2J7327	05:31	VSTD050H2	VSTD050H2		SL		100	100	100				1		ok	
V2J7328	06:00	VSTD100H2	VSTD100H2		SL		102	102	102				1		ok	
V2J7329	06:28	VSTD200H2	VSTD200H2		SL		107	105	108				1		ok	
V2J7331	07:24	MB-30936	VBLKH2	30936	SL		120	113	115	105	106	98	1		ok	
V2J7332	07:52	MB-30902	VBLKH2	30902	AQ		128	121	121	101	103	98	1		ok	
V2J7333	08:21	LCS-30902	VH2LCS	30902	AQ		110	102	104	102	105	96	1		ok	
V2J7334	08:49	F0888-01A	AS-1	30902	AQ	1	123	113	117	100	103	95	1		ok	
V2J7335	09:17	F0888-02A	EW-1	30902	AQ	1	121	114	116	102	104	96	1		ok	7
V2J7336	09:45	F0895-01A	SW01	30902	AQ	1	123	116	117	100	102	95	1		ok	7
V2J7337	10:13	F0895-02A	SW02	30902	AQ	1	112	107	108	105	100	96	1		ok	7
V2J7338	10:41	F0895-02AMS	SW02MS	30902	AQ	2	107	101	101	104	104	92	1		ok	7
V2J7339	11:09	F0895-02AMSD	SW02MSD	30902	AQ	3	102	96	92	106	106	88	1		ok	7
V2J7340	11:37	F0895-03A	SW03	30902	AQ	1	122	113	116	101	101	95	1		ok	7
V2J7341	12:05	F0895-04A	SW04	30902	AQ	1	123	112	116	100	104	94	1		ok	7
V2J7342	12:34	F0895-05A	SW05	30902	AQ	1	119	113	115	103	104	95	1		ok	7
V2J7343	13:02	F0895-06A	SW07	30902	AQ	1	123	114	116	101	104	94	1		ok	7
V2J7344	13:30	F0895-07A	TB01	30902	AQ	1	114	109	112	103	104	92	1		ok	7
V2J7345	13:59	F0895-08A	SW04/O	30902	AQ	1	120	112	111	99	105	95	1		ok	7
V2J7346	14:27	F0811-02B	LG1SS6	30936	SL	1	109	105	102	98	105	104	1		ok (M,p-xylene = 113	7
V2J7347	14:56	VHBLKH2	VHBLKH2	30936	SL		120	116	113	100	104	101	1		ok (F0811)	7
V2J7348	15:24	VHBLKH2	VHBLKH2	30902	SL		110	106	108	104	104	94	1		ok (F0888)	7
V2J7349	15:52	VHBLKH2	VHBLKH2	30902	SL		117	112	115	101	103	94	1		ok (F0895)	

E - One or more target compounds are above the calibration range
R - One or more spike compounds are outside of control limits
T - Sample was injected outside of the 12 hour sequence
* - Internal Standard or Surrogate outside of control limit
D - Surrogates are diluted

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
6/27/07	F0892	Malcolm	17A-20A	CW	NZA	H	R9	
6/27/07	F0852	URS	01 - 08	CM	SB	US	R10	SB 6/27/07
6/28/07	F0890	Tetra	01B-03B		NZA	F	F10	
	F0890	Tetra	01C-03C			M	R10	
	F0889	EPA	8A			H	R10	
	F0889	EPA	19B, 20B, 19C, 20C			E		
	F0891	EPA	01C-03C, 05C, 08C 01B-03B, 05B, 08B			E		
	F0891	EPA	04A, 06A, 07A, 09A			H	R10	
	F0894	URS	01A-05A			H	R10	
	F0895	ENE	01A-08A			UA	R10	
	F0896	Malcolm	01A-05A			US	R10	
	F0897	Vertec	01A-04A			H	R10	
	F0898	Tetra	01B 02B, 03C, 04B-10B			H	R10	
6/28/07	F0892	EPA	01A-07A	CW	NZA	T	R4	

Logbook ID 90.0191-04/07

Reviewed By: NZA 07/03/07

"Preservative Used" Key

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

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

MITKEM CORPORATION

* Wet Chemistry *

USEPA - CLP
COVER PAGE

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

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF0895

SOW No.: ILM05.4

EPA Sample No.	Lab Sample ID
SW01	F0895-01
SW02	F0895-02
SW02D	F0895-02DUP
SW02S	F0895-02MS
SW03	F0895-03
SW04	F0895-04
SW04/O	F0895-08
SW05	F0895-05
SW07	F0895-06

		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: 7/25/07 Title:

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW01

Lab Name: Mitkem Corporation Contract: 002699.ID09

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF0895

Matrix (soil/water): WATER Lab Sample ID: F0895-01

Level (low/med): MED Date Received: 06/28/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	5.2	J		AS

Comments:

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW02

Lab Name: Mitkem Corporation Contract: 002699.ID09

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF0895

Matrix (soil/water): WATER Lab Sample ID: F0895-02

Level (low/med): MED Date Received: 06/28/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	10.0	U		AS

Comments:

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW03

Lab Name: Mitkem Corporation Contract: 002699.ID09

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF0895

Matrix (soil/water): WATER Lab Sample ID: F0895-03

Level (low/med): MED Date Received: 06/28/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	4.2	J		AS

Comments:

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW04

Lab Name: Mitkem Corporation Contract: 002699.ID09

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF0895

Matrix (soil/water): WATER Lab Sample ID: F0895-04

Level (low/med): MED Date Received: 06/28/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	10.0	U		AS

Comments:

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW04/O

Lab Name: Mitkem Corporation Contract: 002699.ID09

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF0895

Matrix (soil/water): WATER Lab Sample ID: F0895-08

Level (low/med): MED Date Received: 06/28/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	10.0	U		AS

Comments:

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW05

Lab Name: Mitkem Corporation Contract: 002699.ID09

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF0895

Matrix (soil/water): WATER Lab Sample ID: F0895-05

Level (low/med): MED Date Received: 06/28/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	10.0	U		AS

Comments:

USEPA - CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW07

Lab Name: Mitkem Corporation Contract: 002699.ID09

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF0895

Matrix (soil/water): WATER Lab Sample ID: F0895-06

Level (low/med): MED Date Received: 06/28/2007

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	4.9	J		AS

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.: MF0895

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

	Initial Calibration Verificaion			Continuing Calibration Verificaion					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Cyanide	250.0	242.41	97	200.0	219.59	110	220.97	110	AS

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

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

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF0895

Initial Calibration Verification Source:

Continuing Calibration Verification Source:

Concentration Units: ug/L

	Initial Calibration Verificaion			Continuing Calibration Verificaion					
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Cyanide				200.0	219.82	110			AS

(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.: MF0895

CRQL Check Standard Source:

Concentration Units: ug/L

	CRQL Check Standard				
	Initial			Final	
Analyte	True	Found*	%R (1)	Found*	%R (1)
Cyanide	10.0	7.10 J	71	7.40 J	74

(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.: MF0895

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Method Blank ID:
MB-30971

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	1	C	2	C	3	C		C	M
Cyanide	10.000	U	10.499		10.000	U	10.000	U	10.000	U	AS

USEPA - CLP

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SW02S

Lab Name: Mitkem Corporation Contract: 002699.ID09

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF0895

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Cyanide	75-125	88.7260		10.0000	U	100.00	89		AS

Comments:

USEPA - CLP

6-IN

DUPLICATES

EPA SAMPLE NO.

SW02D

Lab Name: Mitkem Corporation Contract: 002699.ID09

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF0895

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Cyanide		10.0000	U	10.0000	U			AS

USEPA - CLP

9-IN

METHOD DETECTION LIMITS (ANUALLY)

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

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF0895

Instrument Type: AS InstrumentID: LACHAT1 Date: 10/16/2006

Preparation Method: METHO

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wavelength /Mass	CRQL	MDL
Cyanide	570.00	10	3.9

Comments:

USEPA - CLP

9-IN

METHOD DETECTION LIMITS (ANUALLY)

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

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF0895

Instrument Type: AS InstrumentID: LACHAT1 Date: 10/16/2006

Preparation Method: NP1

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wavelength /Mass	CRQL	MDL
Cyanide	570.00	10	3.9

Comments:

USEPA - CLP

12-IN

PREPARATION LOG

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

Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF0895

Preparation Method: DW2 7/25/07 KB

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
ICV	07/03/2007		50
MIDRANGE	07/03/2007		50
PBW	07/03/2007		50
SW01	07/03/2007		50
SW02	07/03/2007		50
SW02D	07/03/2007		50
SW02S	07/03/2007		50
SW03	07/03/2007		50
SW04	07/03/2007		50
SW04/O	07/03/2007		50
SW05	07/03/2007		50
SW07	07/03/2007		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.: MF0895

Instrument ID: LACHAT1 Analysis Method: AS

Start Date: 07/05/2007 End Date: 07/05/2007

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0.0	1.0	1430																								X
S0.01	1.0	1433																								X
S0.025	1.0	1435																								X
S0.05	1.0	1438																								X
S0.10	1.0	1440																								X
S0.20	1.0	1443																								X
S0.40	1.0	1445																								X
ICV	1.0	1449																								X
ICB	1.0	1451																								X
CRA	1.0	1454																								X
CCV	1.0	1456																								X
CCB	1.0	1459																								X
MIDRANGE	1.0	1501																								X
PBW	1.0	1504																								X
SW01	1.0	1506																								X
SW02	1.0	1509																								X
SW02D	1.0	1511																								X
SW02S	1.0	1514																								X
SW03	1.0	1516																								X
SW04	1.0	1519																								X
CCV	1.0	1521																								X
CCB	1.0	1524																								X
SW05	1.0	1527																								X
SW07	1.0	1529																								X
SW04/O	1.0	1532																								X
CRA	1.0	1534																								X
CCV	1.0	1537																								X
CCB	1.0	1539																								X

Instrument Raw Data

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

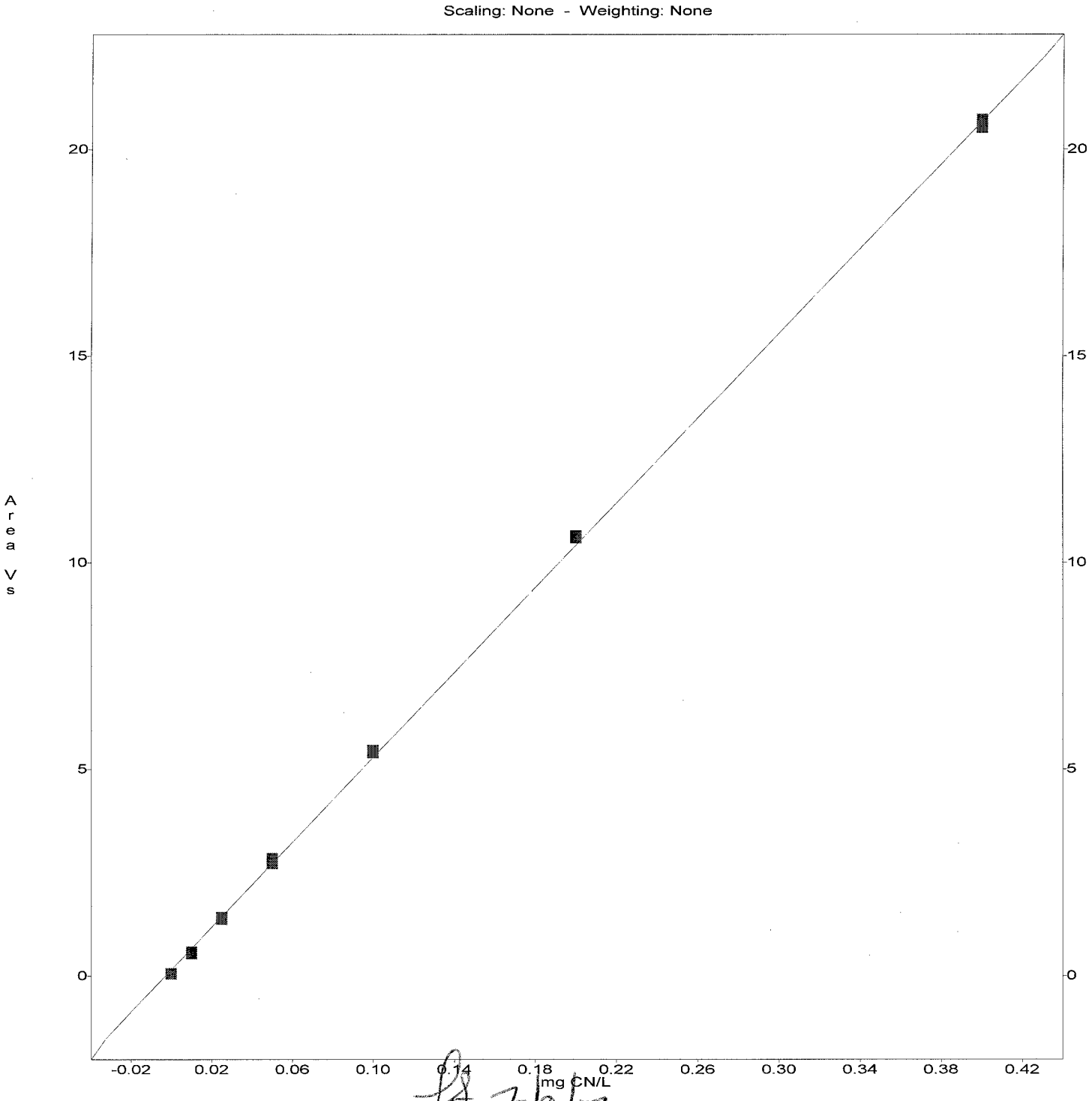
Lachat 1 – 07070SB . IUm 5-3 7/4/07B

CN

FO 895

Lvl	Area	mg CN/L	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Replic STD	Replic % RSD	Residual 1st Poly
1	57133	0.000	57133	63490				4495.0	7.5	
2	547807	0.010	547807	592758				31785.0	5.6	24.7
3	1375509	0.025	1375509	1426945				36371.3	2.6	5.3
4	2844823	0.050	2844823	2728478				82268.5	3.0	-4.6
5	5400234	0.100	5400234	5458889				41475.0	0.8	-2.1
6	10651251	0.200	10651251	10601472				35199.1	0.3	-2.2
7	20528560	0.400	20528560	20724612				138629.7	0.7	0.8

1st Order Poly
Conc = 1.949e-008 Area - 3.148e-003
r = 0.9998



Printed: Thursday, July 05, 2007 - 03:49 PM

JS 7/9/07

0143

OPERATOR: sng
ACQ. TIME: Jul 5, 2007 14:30:19
DATA FILENAME: C:\OMNION\DATA\CN\JULY07~1.DAT\C070705A.FDT
METHOD FILENAME: C:\OMNION\METHODS\CN\JULY07.MET\C070705A.MET
TRAY FILENAME: C:\OMNION\TRAYS\CN\JULY07.TRA\C070705A.TRA

TRAY DESCRIPTION:
Created: Jul 5, 2007 13:31:15
Modified: Jul 5, 2007 13:31:15
ANALYSIS: CYANIDE ANALYST: SN
DATA DESCRIPTION:
Created: Jul 5, 2007 14:30:19
Modified: Jul 5, 2007 14:30:19

Multi-Channel Table
Type: Calibration Standards
Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (uv-s)	Man Dil Factor	Weight	Unit
1	S0.0	05 Jul 2007	14:30:32	2	60311.3691	1.0	1.00000	g
2	S0.01	05 Jul 2007	14:33:03	2	570282.8438	1.0	1.00000	g
3	S0.025	05 Jul 2007	14:35:35	2	1401226.8750	1.0	1.00000	g
4	S0.05	05 Jul 2007	14:38:06	2	2786650.6250	1.0	1.00000	g
5	S0.10	05 Jul 2007	14:40:38	2	5429561.2500	1.0	1.00000	g
6	S0.20	05 Jul 2007	14:43:08	2	10626361.5000	1.0	1.00000	g
7	S0.40	05 Jul 2007	14:45:39	2	20626586.0000	1.0	1.00000	g

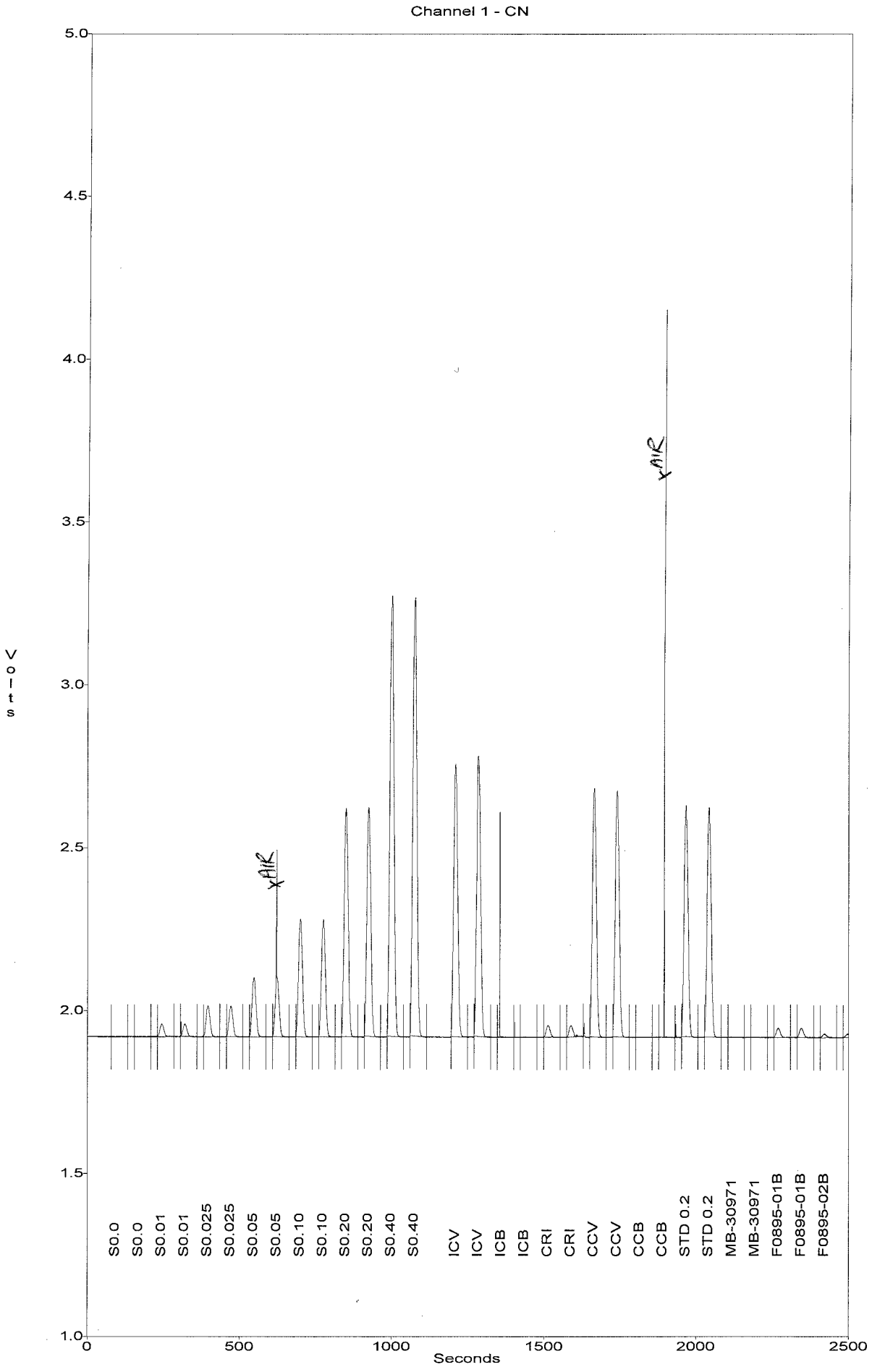
OPERATOR: sng
ACQ. TIME: Jul 5, 2007 14:30:19
DATA FILENAME: C:\OMNION\DATA\CN\JULY07~1.DAT\C070705A.FDT
METHOD FILENAME: C:\OMNION\METHODS\CN\JULY07.MET\C070705A.MET
TRAY FILENAME: C:\OMNION\TRAYS\CN\JULY07.TRA\C070705A.TRA

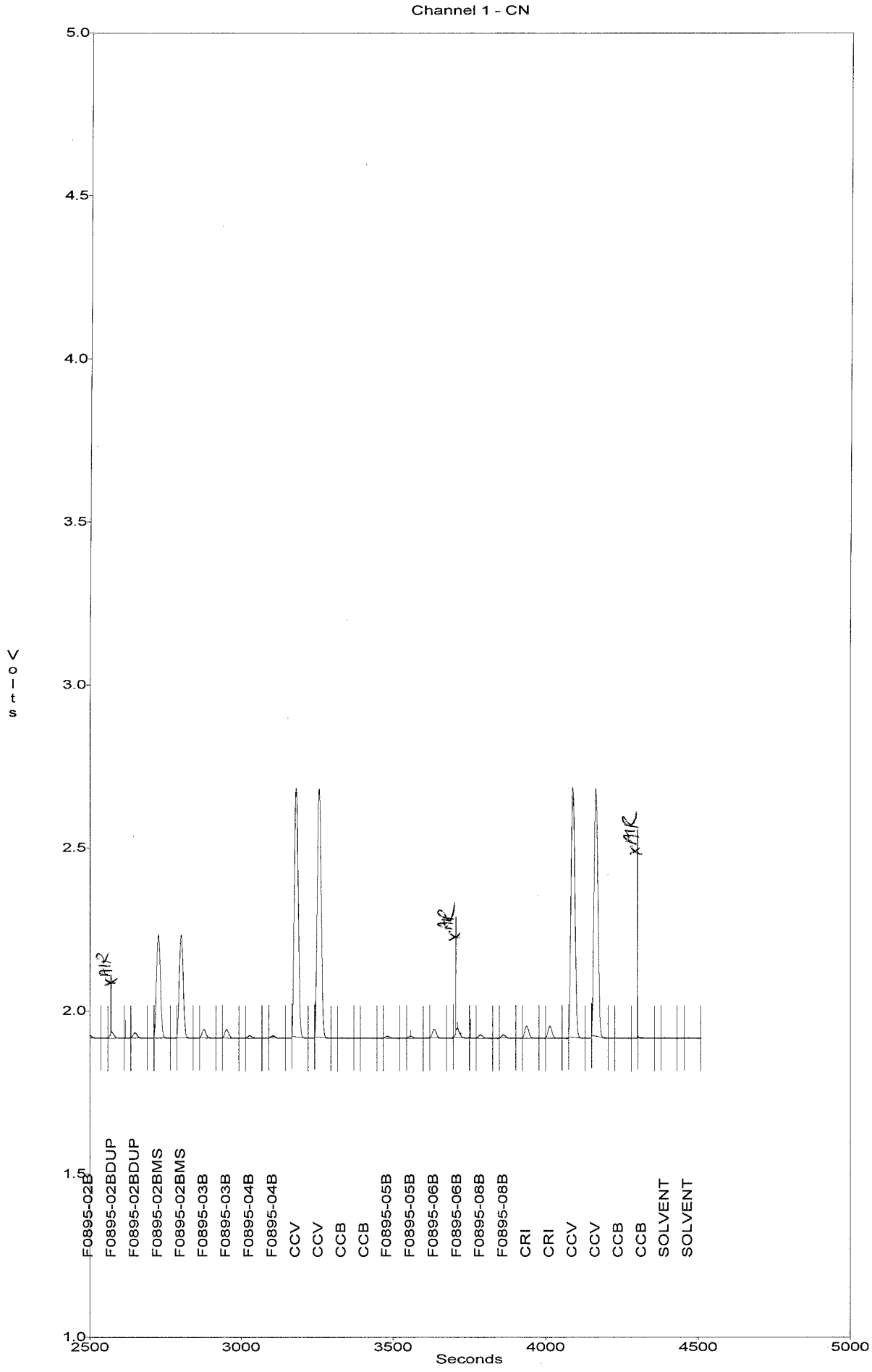
TRAY DESCRIPTION:
Created: Jul 5, 2007 13:31:15
Modified: Jul 5, 2007 13:31:15
ANALYSIS: CYANIDE ANALYST: SN
DATA DESCRIPTION:
Created: Jul 5, 2007 14:30:19
Modified: Jul 5, 2007 14:30:19

Multi-Channel Table
Type: Unknowns
Channel Range: 1 to 8 -- Cup Range: 1 to 30

Cup	Sample ID	Sampling Date	Sampling Time	# of Reps	CN (mg CN/L)	Man Dil Factor	Weight Unit	
1	ICV	05 Jul 2007	14:49:08	2	0.2424	1.0	1.00000 g	97%
2	ICB	05 Jul 2007	14:51:40	2	0.0000	1.0	1.00000 g	
3	CRI	05 Jul 2007	14:54:12	2	0.0071	1.0	1.00000 g	71%
4	CCV	05 Jul 2007	14:56:43	2	0.2196	1.0	1.00000 g	110%
5	CCB	05 Jul 2007	14:59:15	2	0.0105	1.0	1.00000 g	
6	STD 0.2	05 Jul 2007	15:01:46	2	0.2038	1.0	1.00000 g	102%
7	MB-30971	05 Jul 2007	15:04:18	2	-0.0027	1.0	1.00000 g	
8	F0895-01B	05 Jul 2007	15:06:49	2	0.0052	1.0	1.00000 g	
9	F0895-02B	05 Jul 2007	15:09:20	2	-0.0001	1.0	1.00000 g	
10	F0895-02BDUP	05 Jul 2007	15:11:52	2	0.0025	1.0	1.00000 g	
11	F0895-02BMS	05 Jul 2007	15:14:24	2	0.0887	1.0	1.00000 g	
12	F0895-03B	05 Jul 2007	15:16:55	2	0.0042	1.0	1.00000 g	
13	F0895-04B	05 Jul 2007	15:19:27	2	-0.0010	1.0	1.00000 g	
14	CCV	05 Jul 2007	15:21:59	2	0.2210	1.0	1.00000 g	111%
15	CCB	05 Jul 2007	15:24:30	2	-0.0026	1.0	1.00000 g	
16	F0895-05B	05 Jul 2007	15:27:01	2	-0.0016	1.0	1.00000 g	
17	F0895-06B	05 Jul 2007	15:29:33	2	0.0049	1.0	1.00000 g	
18	F0895-08B	05 Jul 2007	15:32:05	2	-0.0002	1.0	1.00000 g	
19	CRI	05 Jul 2007	15:34:37	2	0.0074	1.0	1.00000 g	74%
20	CCV	05 Jul 2007	15:37:08	2	0.2198	1.0	1.00000 g	110%
21	CCB	05 Jul 2007	15:39:40	2	-0.0033	1.0	1.00000 g	
22	SOLVENT	05 Jul 2007	15:42:11	2	-0.0031	1.0	1.00000 g	

Lexan SU 7/5/07 OK 89%


Channel 1 - CN
Volts
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0
500
1000
1500
2000
2500
Seconds
AIR
AIR
S0.0
S0.0
S0.01
S0.01
S0.025
S0.025
S0.05
S0.05
S0.10
S0.10
S0.20
S0.20
S0.40
S0.40
ICV
ICV
ICB
ICB
CRI
CRI
CCV
CCV
CCB
CCB
STD 0.2
STD 0.2
MB-30971
MB-30971
F0895-01B
F0895-01B
F0895-02B


Channel 1 - CN
Volts
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
2500
3000
3500
4000
4500
5000
Seconds
F0895-02B
F0895-02BDUP
F0895-02BDUP
F0895-02BMS
F0895-02BMS
F0895-03B
F0895-03B
F0895-04B
F0895-04B
CCV
CCV
CCB
CCB
F0895-05B
F0895-05B
F0895-06B
F0895-06B
F0895-08B
F0895-08B
CRI
CRI
CCV
CCV
CCB
CCB
SOLVENT
SOLVENT

MITKEM CORPORATION SAMPLE RUN LOG: LACHAT INSTRUMENT

Date: 7/5/07 Analyst: SN

Analyses: Channel 1: CN Channel 2:

* results in mg/L

AS POS	Lab ID	AS POS	Lab ID	AS POS	Lab ID	AS POS	Lab ID	AS POS	Lab ID
1	S0.0	16	F0895-05B	32		52		72	
2	S0.01	17	F0895-06B	33		53		73	
3	S0.025	18	F0895-08B	34		54		74	
4	S0.05	19	CRI	35		55		75	
5	S0.10	20	CCV	36		56		76	
6	S0.20	21	CCB	37		57		77	
7	S0.40	22	SOLVENT	38		58		78	
1	ICV	18		39		59		79	
2	ICB	19		40		60		80	
3	CRI	20		41		61		81	
4	CCV	21		42		62		82	
5	CCB	22		43		63		83	
6	STD 0.2	23		44		64		84	
7	MB-30971	24		45		65		85	
8	F0895-01B	25	SN 7/5/07	46		66		86	
9	F0895-02B	26		47		67	SN 7/5/07	87	
10	F0895-02BDUP	27		48		68		88	
11	F0895-02BMS	28		49		69		89	
12	F0895-03B	29		50		70		90	
13	F0895-04B	30		51		71		91	
14	CCV	31							
15	CCB								

ILM5.3

*Report all results in mg/L

DATA FILE NAME c070705a

METHOD FILE NAME ↓

TRAY FILE NAME ↓

REPORT FILE NAME c070705a

Reagent Lots

Pyridine IR07061903

NaOH IR07070506

KH2PO4 IR07061201

Barbituric Acid IR07061903

Chloramine-T IR07070508

Other

Curve: IWN070705J

CRI: IWN070705J3

CCV: IWN070705J2

Curve on 7/5/07

m = _____

b = _____

r = 0.9998

Logbook ID 100.0144-10/06

Reviewed by _____

Creator: sng
Creation Date: Jul 5, 2007 13:31:15
Last Modified: Jul 5, 2007 13:31:15
Description: ANALYSIS: CYANIDE ANALYST: SN

Cup #	Sample ID	Manual Dilution	Sample Type	
1	S0.0	1.0000	CalStd	
2	S0.01	1.0000	CalStd	
3	S0.025	1.0000	CalStd	
4	S0.05	1.0000	CalStd	
5	S0.10	1.0000	CalStd	
6	S0.20	1.0000	CalStd	
7	S0.40	1.0000	CalStd	
1	ICV	1.0000	Unknown	
2	ICB	1.0000	Unknown	
3	CRI	1.0000	Unknown	
4	CCV	1.0000	Unknown	
5	CCB	1.0000	Unknown	
6	STD 0.2	1.0000	Unknown	
7	MB-30971	1.0000	Unknown	
8	F0895-01B	1.0000	Unknown	
9	F0895-02B	1.0000	Unknown	
10	F0895-02BDUP	1.0000	Unknown	
11	F0895-02BMS	1.0000	Unknown	
12	F0895-03B	1.0000	Unknown	
13	F0895-04B	1.0000	Unknown	
14	CCV	1.0000	Unknown	
15	CCB	1.0000	Unknown	
16	F0895-05B	1.0000	Unknown	
17	F0895-06B	1.0000	Unknown	
18	F0895-08B	1.0000	Unknown	
19	CRI	1.0000	Unknown	
20	CCV	1.0000	Unknown	
21	CCB	1.0000	Unknown	
22	SOLVENT	1.0000	Unknown	

Prep Logbooks

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

MITKEM CORPORATION: CYANIDE DISTILLATION LOGBOOK

Date: 7/3/07 **Time On:** 11:40 **Time Off:** 13:40 **Analyst:** NT

Place #	Lab ID		Sample Vol (ml) Weight (g)	Sample pH	Pb Ac Paper (Y/N)	O.IN NaAsO2 (ml)	KI Test (Y/N)	4N Sulfamic Acid (ml)	50% H2SO4	2.5M MgCl2 (ml)	Final Volume
1	ICV		50	—	N	—	N	0.5	5	2	50
2	STD 0.2		50	—	↓	↓	↓	↓	↓	↓	50
3	MB-30971		50	—							50
4	F0895	01B	50	~13							50
5	↓	02B	50	~13							50
6		03BDUP	50	~13							50
7		03BMS	50	~13							50
8		03B	50	~13							50
9		04B	50	~13							50
10	↓	05B	50	~13							50
1	F0895	06B	50	~13	↓	↓	↓	↓	↓	↓	50
2	F0895	08B	50	~13	N	—	N	0.5	5	2	50
3											50
4											50
5											50
6					NS						50
7						7/5/07					50
8											50
9											50
10											50

1LM 5:3 Ag

Sulfamic Acid: IR07040401

Na_2AsO_2: —

H_2SO_4: IR0706203

Logbook ID: 100.0169-03/07

$MgCl_2$: IR07050401

Cad. Carbonate: —

Temp: 125°C

LCS ID: —

LCS volume: —

Spike ID: IWE070650I

Spike volume: 500ml

ICV ID: IWW070650I

Std.0.2: IWW070650I

Reviewed By: _____

Last Page of Data Report