



*"Environmental Testing For The New Millennium"*

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December 20, 2005

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

RE: Client Project: Old Troy Landfill  
Lab Work Order #: D1453

Dear Mr. Nickerson:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project.

If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,

A handwritten signature in cursive script, appearing to read "Agnes R. Ng".

Agnes R. Ng  
CLP Project Manager



**\* Data Summary Pack \***

# Mitkem Corporation

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

Project Name: Old Troy Landfill

SDG: D1453

<u>Customer Sample ID</u>	<u>Laboratory Sample ID</u>	Analytical Requirements				
		<u>VOA GC/MS Method #</u>	<u>SVOA GC/MS Method #</u>	<u>Pest/PCB Method #</u>	<u>Metals</u>	<u>Other</u>
SD01-S-O	D1453-01	ASP				
SD05-S-O	D1453-02	ASP				
SD08-S-O	D1453-03	ASP				
SD11-S-O	D1453-04	ASP				
SD05-S-D	D1453-05	ASP				
SD02-S-O	D1453-06	ASP				
SD12-S-O	D1453-07	ASP				
SD13-S-O	D1453-08	ASP				

**Mitkem Corporation**

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary  
Volatile (VOA) Analyses

Project Name: **Old Troy Landfill**

SDG: **D1453**

<u>Laboratory Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received by Lab</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>
D1453-01B	SL	12/1/05	12/2/05	12/1/05	12/9/05
D1453-02B	SL	12/1/05	12/2/05	↓	↓
D1453-03B	SL	12/1/05	12/2/05		
D1453-04B	SL	12/1/05	12/2/05	↓	↓
D1453-05B	SL	12/1/05	12/2/05	12/1/05	
D1453-06B	SL	12/2/05	12/3/05	12/2/05	
D1453-06BMS	SL	12/2/05	12/3/05	↓	↓
D1453-06BMSD	SL	12/2/05	12/3/05	↓	
D1453-07B	SL	12/2/05	12/3/05	↓	
D1453-08B	SL	12/2/05	12/3/05	12/2/05	12/9/05

**Mitkem Corporation**

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary  
Volatile (VOA) Analyses

Project Name:        **Old Troy Landfill**

SDG: **D1453**

<u>Laboratory Sample ID</u>	<u>Matrix</u>	<u>Analytical Protocol</u>	<u>Extraction Method</u>	<u>Low/Medium Level</u>	<u>Dil/Conc Factor</u>
D1453-01B	SL	ASP	Preserved in field	Low	1
D1453-02B	SL	ASP	↓	↓	↓
D1453-03B	SL	ASP			
D1453-04B	SL	ASP			
D1453-05B	SL	ASP			
D1453-06B	SL	ASP			
D1453-06BMS	SL	ASP			
D1453-06BMSD	SL	ASP			
D1453-07B	SL	ASP			
D1453-08B	SL	ASP			

NYASP 10/95

Analytical Data Package for Ecology & Environment

Client Project No.: Old Troy Landfill

Mitkem Work Order ID: D1453

December 20, 2005

Prepared For: Ecology & Environment  
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's Old Troy project. Under this deliverable, analysis results are presented for eight soil samples that were received on December 2 and 3, 2005. Analyses were performed per specifications in the project's contract and the chain of custody forms. Due to the limitations in CLP data reporting software, client sample IDs were shortened. A table of full ID, shortened ID and laboratory ID follows this narrative, 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.

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 V1 and V5: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

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

The soil samples for volatiles were received as pre-preserved and unpreserved. The pre-preserved soils were in DI water. The two vials containing DI water were frozen after login.

Surrogate recovery: recoveries were within the QC limits.

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

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on sample SD02-S-O. Spike recoveries and replicate RPDs were within the QC limits.

Sample analysis: methylene chloride was detected in the method blank below the CRQL. Methylene chloride is qualified with a "B" in the associated samples. No other unusual observation was made for the 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.



Agnes Ng  
CLP Project Manager  
12/20/05



Client ID: ENE  
 Project: Old Troy Landfill  
 Location:  
 Comments: N/A

Case:  
 SDG:  
 PO: TN 000699.NV26.02

Report Level: ASP-B  
 EDD: ADAPT  
 HC Due: 12/26/05  
 Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	fold	MS	SEL	Storage
D1453-01A	SD01-S-O	12/01/05 10:15	12/02/05	Soil	OLM4.2_VOA_MED_S	OLM, NYS-Add LCS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B3
PMoist										
D1453-01B	SD01-S-O	12/01/05 10:15	12/02/05	Soil	OLM4.2_VOA_LOW_S	OLM, NYS-Add LCS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
D1453-02A	SD05-S-O	12/01/05 12:30	12/02/05	Soil	OLM4.2_VOA_MED_S	OLM, NYS-Add LCS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B3
PMoist										
D1453-02B	SD05-S-O	12/01/05 12:30	12/02/05	Soil	OLM4.2_VOA_LOW_S	OLM, NYS-Add LCS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
D1453-03A	SD08-S-O	12/01/05 11:30	12/02/05	Soil	OLM4.2_VOA_MED_S	OLM, NYS-Add LCS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B3
PMoist										
D1453-03B	SD08-S-O	12/01/05 11:30	12/02/05	Soil	OLM4.2_VOA_LOW_S	OLM, NYS-Add LCS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
D1453-04A	SD11-S-O	12/01/05 08:30	12/02/05	Soil	OLM4.2_VOA_MED_S	OLM, NYS-Add LCS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B3
PMoist										
D1453-04B	SD11-S-O	12/01/05 08:30	12/02/05	Soil	OLM4.2_VOA_LOW_S	OLM, NYS-Add LCS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA

Client ID: ENE

Project: Old Troy Landfill

Location:

Comments: N/A

Case:

SDG:

PO: TN 000699.NV26.02

Report Level: ASP-B

EDD: ADAPT

HC Due: 12/26/05

Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
D1453-05A	SD05-S-D	12/01/05 12:30	12/02/05	Soil	OLM4.2_VOA_MED_S	OLM, NYS-Add LCS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B3
PMoist										
D1453-05B	SD05-S-D	12/01/05 12:30	12/02/05	Soil	OLM4.2_VOA_LOW_S	OLM, NYS-Add LCS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
D1453-06A	SD02-S-O	12/02/05 08:25	12/03/05	Soil	OLM4.2_VOA_MED_S	OLM, NYS-Add LCS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	B2
PMoist										
D1453-06B	SD02-S-O	12/02/05 08:25	12/03/05	Soil	OLM4.2_VOA_LOW_S	OLM, NYS-Add LCS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	VOA
D1453-07A	SD12-S-O	12/02/05 09:52	12/03/05	Soil	OLM4.2_VOA_MED_S	OLM, NYS-Add LCS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B2
PMoist										
D1453-07B	SD12-S-O	12/02/05 09:52	12/03/05	Soil	OLM4.2_VOA_LOW_S	OLM, NYS-Add LCS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
D1453-08A	SD13-S-O	12/02/05 07:55	12/03/05	Soil	OLM4.2_VOA_MED_S	OLM, NYS-Add LCS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B2
PMoist										

Mitkem Corporation

05/Dec/05 18:38

WorkOrder: D1453

Client ID: ENE

Project: Old Troy Landfill

Location:

PO: TN 000699.NV26.02

Comments: N/A

Case:

SDG:

Report Level: ASP-B

EDD: ADAPT

HC Due: 12/26/05

Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	fold	MS	SEL	Storage
D1453-08B	SD13-S-O	12/02/05 07:55	12/03/05	Soil	OLM4.2_VOA_LOW_S	OLM, NYS-Add LCS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD01-S-O

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-01B

Sample wt/vol: 6.5(g/mL) G Lab File ID: V5G3684

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 45 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
75-71-8	Dichlorodifluoromethane	14	U
74-87-3	Chloromethane	14	U
75-01-4	Vinyl Chloride	14	U
74-83-9	Bromomethane	14	U
75-00-3	Chloroethane	14	U
75-69-4	Trichlorofluoromethane	14	U
75-35-4	1,1-Dichloroethene	14	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14	U
67-64-1	Acetone	14	U
75-15-0	Carbon Disulfide	14	U
79-20-9	Methyl Acetate	14	U
75-09-2	Methylene Chloride	14	U
156-60-5	trans-1,2-Dichloroethene	14	U
1634-04-4	Methyl tert-Butyl Ether	14	U
75-34-3	1,1-Dichloroethane	14	U
156-59-2	cis-1,2-Dichloroethene	14	U
78-93-3	2-Butanone	14	U
67-66-3	Chloroform	14	U
71-55-6	1,1,1-Trichloroethane	14	U
110-82-7	Cyclohexane	14	U
56-23-5	Carbon Tetrachloride	14	U
71-43-2	Benzene	14	U
107-06-2	1,2-Dichloroethane	14	U

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD01-S-O

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-01B

Sample wt/vol: 6.5 (g/mL) G Lab File ID: V5G3684

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 45 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	14	U
108-87-2	Methylcyclohexane	14	U
78-87-5	1,2-Dichloropropane	14	U
75-27-4	Bromodichloromethane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
108-88-3	Toluene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
79-00-5	1,1,2-Trichloroethane	14	U
127-18-4	Tetrachloroethene	14	U
591-78-6	2-Hexanone	14	U
124-48-1	Dibromochloromethane	14	U
106-93-4	1,2-Dibromoethane	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
1330-20-7	Xylene (Total)	14	U
100-42-5	Styrene	14	U
75-25-2	Bromoform	14	U
98-82-8	Isopropylbenzene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
541-73-1	1,3-Dichlorobenzene	14	U
106-46-7	1,4-Dichlorobenzene	14	U
95-50-1	1,2-Dichlorobenzene	14	U
96-12-8	1,2-Dibromo-3-chloropropane	14	U
120-82-1	1,2,4-Trichlorobenzene	14	U

1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SD01-S-0

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-01B

Sample wt/vol: 6.5 (g/mL) G Lab File ID: V5G3684

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 45 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.84	40	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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28.				
29.				
30.				

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD02-S-0

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-06B

Sample wt/vol: 9.4 (g/mL) G Lab File ID: V5G3674

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 24 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

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

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD02-S-O

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-06B

Sample wt/vol: 9.4 (g/mL) G Lab File ID: V5G3674

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 24 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	7	U
108-87-2	Methylcyclohexane	7	U
78-87-5	1,2-Dichloropropane	7	U
75-27-4	Bromodichloromethane	7	U
10061-01-5	cis-1,3-Dichloropropene	7	U
108-10-1	4-Methyl-2-Pentanone	7	U
108-88-3	Toluene	7	U
10061-02-6	trans-1,3-Dichloropropene	7	U
79-00-5	1,1,2-Trichloroethane	7	U
127-18-4	Tetrachloroethene	7	U
591-78-6	2-Hexanone	7	U
124-48-1	Dibromochloromethane	7	U
106-93-4	1,2-Dibromoethane	7	U
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
1330-20-7	Xylene (Total)	0.7	J
100-42-5	Styrene	7	U
75-25-2	Bromoform	7	U
98-82-8	Isopropylbenzene	7	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
541-73-1	1,3-Dichlorobenzene	7	U
106-46-7	1,4-Dichlorobenzene	7	U
95-50-1	1,2-Dichlorobenzene	7	U
96-12-8	1,2-Dibromo-3-chloropropane	7	U
120-82-1	1,2,4-Trichlorobenzene	7	U



1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SD02-S-0

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-06B

Sample wt/vol: 9.4 (g/mL) G Lab File ID: V5G3674

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 24 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 556-67-2	CYCLOTETRAISILOXANE, OCTAMETH	10.84	21	NJ
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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28.				
29.				
30.				

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD02-S-OMS

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-06BMS

Sample wt/vol: 8.6 (g/mL) G Lab File ID: V5G3675

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 24 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
75-71-8	Dichlorodifluoromethane	8	U
74-87-3	Chloromethane	8	U
75-01-4	Vinyl Chloride	8	U
74-83-9	Bromomethane	8	U
75-00-3	Chloroethane	8	U
75-69-4	Trichlorofluoromethane	8	U
75-35-4	1,1-Dichloroethene	32	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	8	U
67-64-1	Acetone	8	U
75-15-0	Carbon Disulfide	8	U
79-20-9	Methyl Acetate	8	U
75-09-2	Methylene Chloride	8	U
156-60-5	trans-1,2-Dichloroethene	8	U
1634-04-4	Methyl tert-Butyl Ether	8	U
75-34-3	1,1-Dichloroethane	8	U
156-59-2	cis-1,2-Dichloroethene	8	U
78-93-3	2-Butanone	8	U
67-66-3	Chloroform	8	U
71-55-6	1,1,1-Trichloroethane	8	U
110-82-7	Cyclohexane	8	U
56-23-5	Carbon Tetrachloride	8	U
71-43-2	Benzene	38	
107-06-2	1,2-Dichloroethane	8	U

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD02-S-OMS

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-06BMS

Sample wt/vol: 8.6(g/mL) G Lab File ID: V5G3675

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 24 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
79-01-6	Trichloroethene	37	
108-87-2	Methylcyclohexane	8	U
78-87-5	1,2-Dichloropropane	8	U
75-27-4	Bromodichloromethane	8	U
10061-01-5	cis-1,3-Dichloropropene	8	U
108-10-1	4-Methyl-2-Pentanone	8	U
108-88-3	Toluene	38	
10061-02-6	trans-1,3-Dichloropropene	8	U
79-00-5	1,1,2-Trichloroethane	8	U
127-18-4	Tetrachloroethene	8	U
591-78-6	2-Hexanone	8	U
124-48-1	Dibromochloromethane	8	U
106-93-4	1,2-Dibromoethane	8	U
108-90-7	Chlorobenzene	39	
100-41-4	Ethylbenzene	8	U
1330-20-7	Xylene (Total)	8	U
100-42-5	Styrene	8	U
75-25-2	Bromoform	8	U
98-82-8	Isopropylbenzene	8	U
79-34-5	1,1,2,2-Tetrachloroethane	8	U
541-73-1	1,3-Dichlorobenzene	8	U
106-46-7	1,4-Dichlorobenzene	8	U
95-50-1	1,2-Dichlorobenzene	8	U
96-12-8	1,2-Dibromo-3-chloropropane	8	U
120-82-1	1,2,4-Trichlorobenzene	8	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD02-S-OMSD

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-06BMSD

Sample wt/vol: 9.3(g/mL) G Lab File ID: V5G3676

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 24 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
75-71-8	Dichlorodifluoromethane	7	U
74-87-3	Chloromethane	7	U
75-01-4	Vinyl Chloride	7	U
74-83-9	Bromomethane	7	U
75-00-3	Chloroethane	7	U
75-69-4	Trichlorofluoromethane	7	U
75-35-4	1,1-Dichloroethene	30	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7	U
67-64-1	Acetone	7	U
75-15-0	Carbon Disulfide	7	U
79-20-9	Methyl Acetate	7	U
75-09-2	Methylene Chloride	7	U
156-60-5	trans-1,2-Dichloroethene	7	U
1634-04-4	Methyl tert-Butyl Ether	7	U
75-34-3	1,1-Dichloroethane	7	U
156-59-2	cis-1,2-Dichloroethene	7	U
78-93-3	2-Butanone	7	U
67-66-3	Chloroform	7	U
71-55-6	1,1,1-Trichloroethane	7	U
110-82-7	Cyclohexane	7	U
56-23-5	Carbon Tetrachloride	7	U
71-43-2	Benzene	34	
107-06-2	1,2-Dichloroethane	7	U

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD02-S-OMSD

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-06BMSD

Sample wt/vol: 9.3(g/mL) G Lab File ID: V5G3676

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 24 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
79-01-6	Trichloroethene	32	
108-87-2	Methylcyclohexane	7	U
78-87-5	1,2-Dichloropropane	7	U
75-27-4	Bromodichloromethane	7	U
10061-01-5	cis-1,3-Dichloropropene	7	U
108-10-1	4-Methyl-2-Pentanone	7	U
108-88-3	Toluene	34	
10061-02-6	trans-1,3-Dichloropropene	7	U
79-00-5	1,1,2-Trichloroethane	7	U
127-18-4	Tetrachloroethene	7	U
591-78-6	2-Hexanone	7	U
124-48-1	Dibromochloromethane	7	U
106-93-4	1,2-Dibromoethane	7	U
108-90-7	Chlorobenzene	33	
100-41-4	Ethylbenzene	7	U
1330-20-7	Xylene (Total)	7	U
100-42-5	Styrene	7	U
75-25-2	Bromoform	7	U
98-82-8	Isopropylbenzene	7	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
541-73-1	1,3-Dichlorobenzene	7	U
106-46-7	1,4-Dichlorobenzene	7	U
95-50-1	1,2-Dichlorobenzene	7	U
96-12-8	1,2-Dibromo-3-chloropropane	7	U
120-82-1	1,2,4-Trichlorobenzene	7	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD05-S-D

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-05B

Sample wt/vol: 6.4 (g/mL) G Lab File ID: V5G3680

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 76 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
75-71-8	Dichlorodifluoromethane	33	U
74-87-3	Chloromethane	33	U
75-01-4	Vinyl Chloride	33	U
74-83-9	Bromomethane	33	U
75-00-3	Chloroethane	33	U
75-69-4	Trichlorofluoromethane	33	U
75-35-4	1,1-Dichloroethene	33	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	33	U
67-64-1	Acetone	130	
75-15-0	Carbon Disulfide	33	U
79-20-9	Methyl Acetate	33	U
75-09-2	Methylene Chloride	33	U
156-60-5	trans-1,2-Dichloroethene	33	U
1634-04-4	Methyl tert-Butyl Ether	33	U
75-34-3	1,1-Dichloroethane	33	U
156-59-2	cis-1,2-Dichloroethene	33	U
78-93-3	2-Butanone	54	
67-66-3	Chloroform	33	U
71-55-6	1,1,1-Trichloroethane	33	U
110-82-7	Cyclohexane	33	U
56-23-5	Carbon Tetrachloride	33	U
71-43-2	Benzene	33	U
107-06-2	1,2-Dichloroethane	33	U

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD05-S-D

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-05B

Sample wt/vol: 6.4 (g/mL) G Lab File ID: V5G3680

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 76 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
79-01-6	Trichloroethene	33	U
108-87-2	Methylcyclohexane	33	U
78-87-5	1,2-Dichloropropane	33	U
75-27-4	Bromodichloromethane	33	U
10061-01-5	cis-1,3-Dichloropropene	33	U
108-10-1	4-Methyl-2-Pentanone	33	U
108-88-3	Toluene	33	U
10061-02-6	trans-1,3-Dichloropropene	33	U
79-00-5	1,1,2-Trichloroethane	33	U
127-18-4	Tetrachloroethene	33	U
591-78-6	2-Hexanone	33	U
124-48-1	Dibromochloromethane	33	U
106-93-4	1,2-Dibromoethane	33	U
108-90-7	Chlorobenzene	33	U
100-41-4	Ethylbenzene	33	U
1330-20-7	Xylene (Total)	33	U
100-42-5	Styrene	33	U
75-25-2	Bromoform	33	U
98-82-8	Isopropylbenzene	33	U
79-34-5	1,1,2,2-Tetrachloroethane	33	U
541-73-1	1,3-Dichlorobenzene	33	U
106-46-7	1,4-Dichlorobenzene	33	U
95-50-1	1,2-Dichlorobenzene	33	U
96-12-8	1,2-Dibromo-3-chloropropane	33	U
120-82-1	1,2,4-Trichlorobenzene	33	U

1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SD05-S-D

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-05B

Sample wt/vol: 6.4 (g/mL) G Lab File ID: V5G3680

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 76 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	10.83	82	NJ
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD05-S-0

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-02B

Sample wt/vol: 5.9(g/mL) G Lab File ID: V5G3685

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 77 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
75-71-8	Dichlorodifluoromethane	37	U
74-87-3	Chloromethane	37	U
75-01-4	Vinyl Chloride	37	U
74-83-9	Bromomethane	37	U
75-00-3	Chloroethane	37	U
75-69-4	Trichlorofluoromethane	37	U
75-35-4	1,1-Dichloroethene	37	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	37	U
67-64-1	Acetone	320	
75-15-0	Carbon Disulfide	37	U
79-20-9	Methyl Acetate	37	U
75-09-2	Methylene Chloride	9	JB
156-60-5	trans-1,2-Dichloroethene	37	U
1634-04-4	Methyl tert-Butyl Ether	37	U
75-34-3	1,1-Dichloroethane	37	U
156-59-2	cis-1,2-Dichloroethene	37	U
78-93-3	2-Butanone	130	
67-66-3	Chloroform	37	U
71-55-6	1,1,1-Trichloroethane	37	U
110-82-7	Cyclohexane	37	U
56-23-5	Carbon Tetrachloride	37	U
71-43-2	Benzene	37	U
107-06-2	1,2-Dichloroethane	37	U

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD05-S-O

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-02B

Sample wt/vol: 5.9(g/mL) G Lab File ID: V5G3685

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 77 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	37	U
108-87-2	Methylcyclohexane	37	U
78-87-5	1,2-Dichloropropane	37	U
75-27-4	Bromodichloromethane	37	U
10061-01-5	cis-1,3-Dichloropropene	37	U
108-10-1	4-Methyl-2-Pentanone	37	U
108-88-3	Toluene	37	U
10061-02-6	trans-1,3-Dichloropropene	37	U
79-00-5	1,1,2-Trichloroethane	37	U
127-18-4	Tetrachloroethene	37	U
591-78-6	2-Hexanone	37	U
124-48-1	Dibromochloromethane	37	U
106-93-4	1,2-Dibromoethane	37	U
108-90-7	Chlorobenzene	37	U
100-41-4	Ethylbenzene	37	U
1330-20-7	Xylene (Total)	37	U
100-42-5	Styrene	37	U
75-25-2	Bromoform	37	U
98-82-8	Isopropylbenzene	37	U
79-34-5	1,1,2,2-Tetrachloroethane	37	U
541-73-1	1,3-Dichlorobenzene	37	U
106-46-7	1,4-Dichlorobenzene	37	U
95-50-1	1,2-Dichlorobenzene	37	U
96-12-8	1,2-Dibromo-3-chloropropane	37	U
120-82-1	1,2,4-Trichlorobenzene	37	U

1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SD05-S-0

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-02B

Sample wt/vol: 5.9 (g/mL) G Lab File ID: V5G3685

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 77 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	10.84	120	NJ
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD08-S-O

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-03B

Sample wt/vol: 7.5(g/mL) G Lab File ID: V5G3686

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 27 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

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

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD08-S-0

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-03B

Sample wt/vol: 7.5(g/mL) G Lab File ID: V5G3686

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 27 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
79-01-6	Trichloroethene	9	U
108-87-2	Methylcyclohexane	9	U
78-87-5	1,2-Dichloropropane	9	U
75-27-4	Bromodichloromethane	9	U
10061-01-5	cis-1,3-Dichloropropene	9	U
108-10-1	4-Methyl-2-Pentanone	9	U
108-88-3	Toluene	9	U
10061-02-6	trans-1,3-Dichloropropene	9	U
79-00-5	1,1,2-Trichloroethane	9	U
127-18-4	Tetrachloroethene	9	U
591-78-6	2-Hexanone	9	U
124-48-1	Dibromochloromethane	9	U
106-93-4	1,2-Dibromoethane	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (Total)	9	U
100-42-5	Styrene	9	U
75-25-2	Bromoform	9	U
98-82-8	Isopropylbenzene	9	U
79-34-5	1,1,2,2-Tetrachloroethane	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U
96-12-8	1,2-Dibromo-3-chloropropane	9	U
120-82-1	1,2,4-Trichlorobenzene	9	U

1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SD08-S-0

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-03B

Sample wt/vol: 7.5 (g/mL) G Lab File ID: V5G3686

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 27 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD11-S-O

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-04B

Sample wt/vol: 5.5(g/mL) G Lab File ID: V5G3687

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 77 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
75-71-8	Dichlorodifluoromethane	40	U
74-87-3	Chloromethane	40	U
75-01-4	Vinyl Chloride	40	U
74-83-9	Bromomethane	40	U
75-00-3	Chloroethane	40	U
75-69-4	Trichlorofluoromethane	40	U
75-35-4	1,1-Dichloroethene	40	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	40	U
67-64-1	Acetone	40	U
75-15-0	Carbon Disulfide	40	U
79-20-9	Methyl Acetate	40	U
75-09-2	Methylene Chloride	19	JB
156-60-5	trans-1,2-Dichloroethene	40	U
1634-04-4	Methyl tert-Butyl Ether	40	U
75-34-3	1,1-Dichloroethane	40	U
156-59-2	cis-1,2-Dichloroethene	40	U
78-93-3	2-Butanone	40	U
67-66-3	Chloroform	40	U
71-55-6	1,1,1-Trichloroethane	40	U
110-82-7	Cyclohexane	40	U
56-23-5	Carbon Tetrachloride	40	U
71-43-2	Benzene	40	U
107-06-2	1,2-Dichloroethane	40	U

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD11-S-O

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-04B

Sample wt/vol: 5.5(g/mL) G Lab File ID: V5G3687

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 77 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
79-01-6	Trichloroethene	40	U
108-87-2	Methylcyclohexane	40	U
78-87-5	1,2-Dichloropropane	40	U
75-27-4	Bromodichloromethane	40	U
10061-01-5	cis-1,3-Dichloropropene	40	U
108-10-1	4-Methyl-2-Pentanone	40	U
108-88-3	Toluene	40	U
10061-02-6	trans-1,3-Dichloropropene	40	U
79-00-5	1,1,2-Trichloroethane	40	U
127-18-4	Tetrachloroethene	40	U
591-78-6	2-Hexanone	40	U
124-48-1	Dibromochloromethane	40	U
106-93-4	1,2-Dibromoethane	40	U
108-90-7	Chlorobenzene	40	U
100-41-4	Ethylbenzene	40	U
1330-20-7	Xylene (Total)	40	U
100-42-5	Styrene	40	U
75-25-2	Bromoform	40	U
98-82-8	Isopropylbenzene	40	U
79-34-5	1,1,2,2-Tetrachloroethane	40	U
541-73-1	1,3-Dichlorobenzene	40	U
106-46-7	1,4-Dichlorobenzene	40	U
95-50-1	1,2-Dichlorobenzene	40	U
96-12-8	1,2-Dibromo-3-chloropropane	40	U
120-82-1	1,2,4-Trichlorobenzene	40	U



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 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SD11-S-0

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-04B

Sample wt/vol: 5.5 (g/mL) G Lab File ID: V5G3687

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 77 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 1066-40-6	SILANOL, TRIMETHYL-	4.83	25	NJ
2. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	10.84	110	NJ
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD12-S-0

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-07B

Sample wt/vol: 8.1(g/mL) G Lab File ID: V5G3682

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 34 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

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

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD12-S-O

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-07B

Sample wt/vol: 8.1(g/mL) G Lab File ID: V5G3682

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 34 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	9	U
108-87-2	Methylcyclohexane	9	U
78-87-5	1,2-Dichloropropane	9	U
75-27-4	Bromodichloromethane	9	U
10061-01-5	cis-1,3-Dichloropropene	9	U
108-10-1	4-Methyl-2-Pentanone	9	U
108-88-3	Toluene	9	U
10061-02-6	trans-1,3-Dichloropropene	9	U
79-00-5	1,1,2-Trichloroethane	9	U
127-18-4	Tetrachloroethene	9	U
591-78-6	2-Hexanone	9	U
124-48-1	Dibromochloromethane	9	U
106-93-4	1,2-Dibromoethane	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (Total)	9	U
100-42-5	Styrene	9	U
75-25-2	Bromoform	9	U
98-82-8	Isopropylbenzene	9	U
79-34-5	1,1,2,2-Tetrachloroethane	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U
96-12-8	1,2-Dibromo-3-chloropropane	9	U
120-82-1	1,2,4-Trichlorobenzene	9	U

1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SD12-S-0

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-07B

Sample wt/vol: 8.1 (g/mL) G Lab File ID: V5G3682

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 34 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.83	9	J
2.				
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD13-S-O

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-08B

Sample wt/vol: 6.2(g/mL) G Lab File ID: V5G3683

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 61 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
75-71-8	Dichlorodifluoromethane	21	U
74-87-3	Chloromethane	21	U
75-01-4	Vinyl Chloride	21	U
74-83-9	Bromomethane	21	U
75-00-3	Chloroethane	21	U
75-69-4	Trichlorofluoromethane	21	U
75-35-4	1,1-Dichloroethene	21	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21	U
67-64-1	Acetone	21	U
75-15-0	Carbon Disulfide	21	U
79-20-9	Methyl Acetate	21	U
75-09-2	Methylene Chloride	21	U
156-60-5	trans-1,2-Dichloroethene	21	U
1634-04-4	Methyl tert-Butyl Ether	21	U
75-34-3	1,1-Dichloroethane	21	U
156-59-2	cis-1,2-Dichloroethene	21	U
78-93-3	2-Butanone	21	U
67-66-3	Chloroform	21	U
71-55-6	1,1,1-Trichloroethane	21	U
110-82-7	Cyclohexane	21	U
56-23-5	Carbon Tetrachloride	21	U
71-43-2	Benzene	21	U
107-06-2	1,2-Dichloroethane	21	U

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD13-S-0

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-08B

Sample wt/vol: 6.2(g/mL) G Lab File ID: V5G3683

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 61 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	21	U
108-87-2	Methylcyclohexane	21	U
78-87-5	1,2-Dichloropropane	21	U
75-27-4	Bromodichloromethane	21	U
10061-01-5	cis-1,3-Dichloropropene	21	U
108-10-1	4-Methyl-2-Pentanone	21	U
108-88-3	Toluene	21	U
10061-02-6	trans-1,3-Dichloropropene	21	U
79-00-5	1,1,2-Trichloroethane	21	U
127-18-4	Tetrachloroethene	21	U
591-78-6	2-Hexanone	21	U
124-48-1	Dibromochloromethane	21	U
106-93-4	1,2-Dibromoethane	21	U
108-90-7	Chlorobenzene	21	U
100-41-4	Ethylbenzene	21	U
1330-20-7	Xylene (Total)	21	U
100-42-5	Styrene	21	U
75-25-2	Bromoform	21	U
98-82-8	Isopropylbenzene	21	U
79-34-5	1,1,2,2-Tetrachloroethane	21	U
541-73-1	1,3-Dichlorobenzene	21	U
106-46-7	1,4-Dichlorobenzene	21	U
95-50-1	1,2-Dichlorobenzene	21	U
96-12-8	1,2-Dibromo-3-chloropropane	21	U
120-82-1	1,2,4-Trichlorobenzene	21	U

1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SD13-S-0

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-08B

Sample wt/vol: 6.2 (g/mL) G Lab File ID: V5G3683

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 61 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.84	12	J
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5KLCS

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: LCS-21333

Sample wt/vol: 5.0(g/mL) G Lab File ID: V5G3673

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	39	
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	42	
107-06-2	1,2-Dichloroethane	10	U



1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5KLCS

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: LCS-21333

Sample wt/vol: 5.0(g/mL) G Lab File ID: V5G3673

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	43	
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	43	
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	46	
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

2B  
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	VBLK5K	95	90	102		0
02	V5KLCS	96	90	99		0
03	SD02-S-O	106	84	101		0
04	SD02-S-OMS	98	82	96		0
05	SD02-S-OMSD	107	79	102		0
06	SD05-S-D	106	100	105		0
07	SD12-S-O	109	102	105		0
08	SD13-S-O	115	93	107		0
09	SD01-S-O	117	93	104		0
10	SD05-S-O	117	91	106		0
11	SD08-S-O	133	80	107		0
12	SD11-S-O	97	95	109		0
13	VHBLK5K	96	107	100		0
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QC LIMITS

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

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

## SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453Matrix Spike - EPA Sample No.: SD02-S-0 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	38	0.0	32	84	59-172
Trichloroethene	38	0.0	37	97	62-137
Benzene	38	0.0	38	100	66-142
Toluene	38	0.0	38	100	59-139
Chlorobenzene	38	0.0	39	103	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
1,1-Dichloroethene	35	30	86	2	22	59-172
Trichloroethene	35	32	91	6	24	62-137
Benzene	35	34	97	3	21	66-142
Toluene	35	34	97	3	21	59-139
Chlorobenzene	35	33	94	9	21	60-133

# 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  
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MTPKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MTPKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix Spike - Sample No.: V5KLCS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		39	78	59-172
Trichloroethene	50		43	86	62-137
Benzene	50		42	84	66-142
Toluene	50		43	86	59-139
Chlorobenzene	50		46	92	60-133

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

\* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_

4A  
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK5K

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453  
 Lab File ID: V5G3672 Lab Sample ID: MB-21333  
 Date Analyzed: 12/09/05 Time Analyzed: 1016  
 GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y  
 Instrument ID: V5

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V5KLCS	LCS-21333	V5G3673	1050
02	SD02-S-O	D1453-06B	V5G3674	1149
03	SD02-S-OMS	D1453-06BMS	V5G3675	1219
04	SD02-S-OMSD	D1453-06BMSD	V5G3676	1249
05	SD05-S-D	D1453-05B	V5G3680	1453
06	SD12-S-O	D1453-07B	V5G3682	1551
07	SD13-S-O	D1453-08B	V5G3683	1620
08	SD01-S-O	D1453-01B	V5G3684	1649
09	SD05-S-O	D1453-02B	V5G3685	1718
10	SD08-S-O	D1453-03B	V5G3686	1747
11	SD11-S-O	D1453-04B	V5G3687	1816
12	VHBLK5K	VHBLK5K	V5G3692	2041
13				
14				
15				
16				
17				
18				
19				
20				
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30				

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5K

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: MB-21333

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5G3672

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	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	2	J
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.

VBLK5K

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: MB-21333

Sample wt/vol: 5.0(g/mL) G Lab File ID: V5G3672

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

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

1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK5K

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: MB-21333

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5G3672

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.83	6	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5K

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: VHBLK5K

Sample wt/vol: 5.0(g/mL) G Lab File ID: V5G3692

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	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.

VHBLK5K

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: VHBLK5K

Sample wt/vol: 5.0(g/mL) G Lab File ID: V5G3692

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

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

1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK5K

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: VHBLK5K

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5G3692

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

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

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

8A  
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453  
 EPA Sample No. (VSTD050##): VSTD0505K Date Analyzed: 12/09/05  
 Lab File ID (Standard): V5G3671 Time Analyzed: 0943  
 Instrument ID: V5 Heated Purge: (Y/N) Y  
 GC Column: DB-624 ID: 0.25 (mm)

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	148954	5.13	764494	6.13	663994	9.22
UPPER LIMIT	297908	5.63	1528988	6.63	1327988	9.72
LOWER LIMIT	74477	4.63	382247	5.63	331997	8.72
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE						
=====	=====	=====	=====	=====	=====	=====
01 VBLK5K	145602	5.13	746968	6.13	647146	9.22
02 V5KLCS	145291	5.13	734096	6.13	628431	9.22
03 SD02-S-O	132905	5.14	655695	6.12	499788	9.22
04 SD02-S-OMS	131844	5.14	628806	6.12	507112	9.22
05 SD02-S-OMSD	117120	5.13	558457	6.13	439064	9.22
06 SD05-S-D	260243	5.13	1233076	6.13	954686	9.22
07 SD12-S-O	261238	5.13	1228395	6.13	971640	9.22
08 SD13-S-O	230894	5.14	1109319	6.12	812620	9.22
09 SD01-S-O	224456	5.13	1036013	6.12	722063	9.22
10 SD05-S-O	209025	5.14	929901	6.12	641651	9.22
11 SD08-S-O	172038	5.13	691331	6.12	409431	9.22
12 SD11-S-O	184132	5.14	765895	6.12	583890	9.22
13 VHBLK5K	258070	5.13	1282568	6.13	1108521	9.22
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

**Mitekem Corporation**

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

Project Name: **Old Troy Landfill**

SDG: **D1453**

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOA GC/MS Method #	SVOA GC/MS Method #	Pest/PCB Method #	Metals	Other
SD01-S-O	D1453-01	ASP				
SD05-S-O	D1453-02	ASP				
SD08-S-O	D1453-03	ASP				
SD11-S-O	D1453-04	ASP				
SD05-S-D	D1453-05	ASP				
SD02-S-O	D1453-06	ASP				
SD12-S-O	D1453-07	ASP				
SD13-S-O	D1453-08	ASP				

# Mitkem Corporation

## New York State Department of Environmental Conservation

### Sample Preparation and Analyses Summary Volatile (VOA) Analyses

Project Name: **Old Troy Landfill**

SDG: **D1453**

<u>Laboratory Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received by Lab</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>
D1453-01B	SL	12/1/05	12/2/05	12/1/05	12/9/05
D1453-02B	SL	12/1/05	12/2/05	↓	↓
D1453-03B	SL	12/1/05	12/2/05		
D1453-04B	SL	12/1/05	12/2/05	↓	↓
D1453-05B	SL	12/1/05	12/2/05	12/1/05	
D1453-06B	SL	12/2/05	12/3/05	12/2/05	↓
D1453-06BMS	SL	12/2/05	12/3/05	↓	
D1453-06BMSD	SL	12/2/05	12/3/05	↓	↓
D1453-07B	SL	12/2/05	12/3/05	↓	
D1453-08B	SL	12/2/05	12/3/05	12/2/05	12/9/05

# Mitkem Corporation

## New York State Department of Environmental Conservation

### Sample Preparation and Analyses Summary Volatile (VOA) Analyses

Project Name: **Old Troy Landfill**

SDG: **D1453**

<u>Laboratory Sample ID</u>	<u>Matrix</u>	<u>Analytical Protocol</u>	<u>Extraction Method</u>	<u>Low/Medium Level</u>	<u>Dil/Conc Factor</u>			
D1453-01B	SL	ASP	Preserved in field	Low	1			
D1453-02B	SL	ASP	↓	↓	↓			
D1453-03B	SL	ASP						
D1453-04B	SL	ASP						
D1453-05B	SL	ASP						
D1453-06B	SL	ASP						
D1453-06BMS	SL	ASP						
D1453-06BMSD	SL	ASP						
D1453-07B	SL	ASP						
D1453-08B	SL	ASP				Preserved in field	Low	1

Analytical Data Package for Ecology & Environment

Client Project No.: Old Troy Landfill

Mitkem Work Order ID: D1453

December 20, 2005

Prepared For: Ecology & Environment  
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's Old Troy project. Under this deliverable, analysis results are presented for eight soil samples that were received on December 2 and 3, 2005. Analyses were performed per specifications in the project's contract and the chain of custody forms. Due to the limitations in CLP data reporting software, client sample IDs were shortened. A table of full ID, shortened ID and laboratory ID follows this narrative, 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.

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 V1 and V5: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

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

The soil samples for volatiles were received as pre-preserved and unpreserved. The pre-preserved soils were in DI water. The two vials containing DI water were frozen after login.

Surrogate recovery: recoveries were within the QC limits.

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

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on sample SD02-S-O. Spike recoveries and replicate RPDs were within the QC limits.

Sample analysis: methylene chloride was detected in the method blank below the CRQL. Methylene chloride is qualified with a "B" in the associated samples. No other unusual observation was made for the 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.



Agnes Ng  
CLP Project Manager  
12/20/05

**Client ID:** ENE

**Project:** Old Troy Landfill

**Location:**

**Comments:** N/A

**Case:**

**SDG:**

**PO:** TN 000699.NV26.02

**Report Level:** ASP-B

**EDD:** ADAPT

**HC Due:** 12/26/05

**Fax Due:**

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	fold	MS	SEL	Storage
D1453-01A	SD01-S-O	12/01/05 10:15	12/02/05	Soil	OLM4.2_VOA_MED_S PMoist	OLM, NYS-Add LCS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B3
D1453-01B	SD01-S-O	12/01/05 10:15	12/02/05	Soil	OLM4.2_VOA_LOW_S	OLM, NYS-Add LCS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
D1453-02A	SD05-S-O	12/01/05 12:30	12/02/05	Soil	OLM4.2_VOA_MED_S PMoist	OLM, NYS-Add LCS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B3
D1453-02B	SD05-S-O	12/01/05 12:30	12/02/05	Soil	OLM4.2_VOA_LOW_S	OLM, NYS-Add LCS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
D1453-03A	SD08-S-O	12/01/05 11:30	12/02/05	Soil	OLM4.2_VOA_MED_S PMoist	OLM, NYS-Add LCS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B3
D1453-03B	SD08-S-O	12/01/05 11:30	12/02/05	Soil	OLM4.2_VOA_LOW_S	OLM, NYS-Add LCS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
D1453-04A	SD11-S-O	12/01/05 08:30	12/02/05	Soil	OLM4.2_VOA_MED_S PMoist	OLM, NYS-Add LCS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B3
D1453-04B	SD11-S-O	12/01/05 08:30	12/02/05	Soil	OLM4.2_VOA_LOW_S	OLM, NYS-Add LCS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA

**Client Rep:** Agnes R Ng

Client ID: ENE

Project: Old Troy Landfill

Location:

Comments: N/A

Case:

SDG:

PO: TN 000699.NV26.02

Report Level: ASP-B

EDD: ADAPT

HC Due: 12/26/05

Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
D1453-05A	SD05-S-D	12/01/05 12:30	12/02/05	Soil	OLM4.2_VOA_MED_S PMoist	OLM, NYS-Add LCS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B3
D1453-05B	SD05-S-D	12/01/05 12:30	12/02/05	Soil	OLM4.2_VOA_LOW_S	OLM, NYS-Add LCS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
D1453-06A	SD02-S-O	12/02/05 08:25	12/03/05	Soil	OLM4.2_VOA_MED_S PMoist	OLM, NYS-Add LCS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	B2
D1453-06B	SD02-S-O	12/02/05 08:25	12/03/05	Soil	OLM4.2_VOA_LOW_S	OLM, NYS-Add LCS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	VOA
D1453-07A	SD12-S-O	12/02/05 09:52	12/03/05	Soil	OLM4.2_VOA_MED_S PMoist	OLM, NYS-Add LCS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B2
D1453-07B	SD12-S-O	12/02/05 09:52	12/03/05	Soil	OLM4.2_VOA_LOW_S	OLM, NYS-Add LCS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
D1453-08A	SD13-S-O	12/02/05 07:55	12/03/05	Soil	OLM4.2_VOA_MED_S PMoist	OLM, NYS-Add LCS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	B2

**Mitkem Corporation**

**05/Dec/05 18:38**

**WorkOrder: D1453**

**Client ID:** ENE

**Project:** Old Troy Landfill

**Location:**

**Comments:** N/A

**Case:**

**SDG:**

**PO:** TN 000699.NV26.02

**Report Level:** ASP-B

**EDD:** ADAPT

**HC Due:** 12/26/05

**Fax Due:**

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
D1453-08B	SD13-S-O	12/02/05 07:55	12/03/05	Soil	OLM4.2_VOA_LOW_S	OLM, NYS-Add LCS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA

Client Rep: Agnes R Ng

Page 3 of 3

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## Sample Transmittal Documentation

# ***Mitkem and Client Sample ID Summary Report\****

***Mitkem Workorder:*** D1453

***Client Name:*** Ecology and Environm

<b><i>Mitkem Sample ID</i></b>	<b><i>Reported Client Sample ID</i></b>	<b><i>Full Client Sample ID</i></b>
D1453-01A	SD01-S-O	OTMI-SD01-S-O
D1453-01B	SD01-S-O	OTMI-SD01-S-O
D1453-02A	SD05-S-O	OTMI-SD05-S-O
D1453-02B	SD05-S-O	OTMI-SD05-S-O
D1453-03A	SD08-S-O	OTMI-SD08-S-O
D1453-03B	SD08-S-O	OTMI-SD08-S-O
D1453-04A	SD11-S-O	OTMI-SD11-S-O
D1453-04B	SD11-S-O	OTMI-SD11-S-O
D1453-05A	SD05-S-D	OTMI-SD05-S-D
D1453-05B	SD05-S-D	OTMI-SD05-S-D
D1453-06A	SD02-S-O	OTMI-SD02-S-O
D1453-06B	SD02-S-O	OTMI-SD02-S-O
D1453-07A	SD12-S-O	OTMI-SD12-S-O
D1453-07B	SD12-S-O	OTMI-SD12-S-O
D1453-08A	SD13-S-O	OTMI-SD13-S-O
D1453-08B	SD13-S-O	OTMI-SD13-S-O

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



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

# CHAIN-OF-CUSTODY RECORD

REPORT TO		INVOICE TO	
COMPANY <i>Ecology + Environment</i>	PHONE <i>716-684-8060</i>	COMPANY	PHONE
NAME <i>Jon Nickerson</i>	FAX <i>716-684-8844</i>	NAME	FAX
ADDRESS <i>368 Pleasant View Dr.</i>		ADDRESS	
CITY/ST/ZIP <i>Lancaster, NY 14086</i>		CITY/ST/ZIP	

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:	REQUESTED ANALYSES						COMMENTS	
			COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID		
<i>Old Troy Municipal Incinerator</i>	<i>000679.NV26.02</i>									
<i>OTMI-SD01-S-O</i>	<i>12/1/05 1015</i>		<i>X</i>						<i>-1</i>	<i>X</i>
<i>OTMI-SD02-S-O</i>	<i>12/1/05 1130</i>		<i>X</i>						<i>-2</i>	<i>X</i>
<i>OTMI-SD05-S-O</i>	<i>12/1/05 1130</i>		<i>X</i>						<i>-3</i>	<i>X</i>
<i>OTMI-SD08-S-O</i>	<i>12/1/05 1130</i>		<i>X</i>						<i>-4</i>	<i>X</i>
<i>OTMI-SD11-S-O</i>	<i>12/1/05 0830</i>		<i>X</i>						<i>-5</i>	<i>X</i>
<i>OTMI-SD12-S-O</i>	<i>12/1/05 1230</i>		<i>X</i>							<i>X</i>
<i>OTMI-SD05-S-D</i>	<i>12/1/05 1230</i>		<i>X</i>							<i>X</i>

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:
	<i>R-L</i>	<i>12/1/05 1715</i>	<i>Jon Nickerson</i>	<i>12/2/05 08130</i>	
0000					
0000					
0000					

LAB PROJECT #:	<i>D1453</i>
TURNAROUND TIME:	
COOLER TEMP:	<i>22.240°</i>

WHITE: LABORATORY COPY

YELLOW: REPORT COPY

PINK: CLIENT'S COPY



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



# CHAIN-OF-CUSTODY RECORD

REPORT TO		INVOICE TO								
COMPANY	NAME	COMPANY	NAME							
Ecology + Environment	Jon Nickerson		Same							
PHONE	FAX	PHONE	FAX							
716-684-8060	716-684-0844									
ADDRESS	CITY/ST/ZIP	ADDRESS	CITY/ST/ZIP							
368 Pleasant View Dr Lancaster, NY 14086										
CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT PO #:	LAB PROJECT #:							
Old Troy	000699.NV26.02		D1453							
SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES	COMMENTS
OTMI-S202-W-0	12/26/05 0825		X	X				18	TLC VOCs TLC PCBs TLC PAHs TLC Heavy Metals TLC Volatile Organics	MS/MSD Sample
OTMI-S203-W-0	10925		X	X				6		
OTMI-S212-W-0	10952		X	X				6		
OTMI-S213-W-0	10755		X	X				6		
OTMI-S202-S-0	10825		X	X	X		-02	9		MS/MSD Sample
OTMI-S202-S-0	10952		X	X	X		-07	3		
OTMI-S213-S-0	10755		X	X	X		-08	3		
OTMI-MN25-W-0-165	11350		X	X				5		
OTMI-TB03	10715		X	X				2		
<del>           OTMI-S202-W-0            OTMI-S203-W-0            OTMI-S212-W-0            OTMI-S213-W-0            OTMI-S202-S-0            OTMI-S202-S-0            OTMI-S213-S-0            OTMI-MN25-W-0-165            OTMI-TB03         </del>										
TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:				
	B-L	12/26/05	Xiangdong Ding	12/27/05	Soic VOC vials Frozen 9:30 12/3/05	10C				

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

**MITKEM CORPORATION**  
**Sample Condition Form**

Received By: <u>NU</u>		Reviewed By: <u>JH</u>		Date: <u>12-2-05</u> MITKEM Project #: <u>D1453</u>			
Client Project: <u>OLD TROY</u>				Client: <u>EBE</u>			Soil Headspace or Air Bubbles $\geq 1/4"$
Cooler Sealed <input checked="" type="checkbox"/> Yes / No	Lab Sample ID		Preservation (pH)				VOA Matrix
			HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	HCl	NaOH	
	<u>D1453</u>	<u>-01</u>					<u>DI FREEZE</u>
		<u>-02</u>					<u>DI FREEZE</u>
1) Custody Seal(s) Present / Absent		<u>-03</u>					<u>DI FREEZE</u>
Coolers / Bottles Intact / Broken	<u>+</u>	<u>-04</u>					<u>DI FREEZE</u>
	<u>D1453</u>	<u>-05</u>					<u>DI FREEZE</u>
2) Custody Seal Number(s) <u>N/A</u>							
3) Chain-of-Custody <input checked="" type="checkbox"/> Present / Absent							
4) Cooler Temperature <u>22/20/30/40</u> Coolant Condition <u>6c</u>							
5) Airbill(s) <input checked="" type="checkbox"/> Present / Absent Airbill Number(s) <u>FED-EX</u>							
6) Sample Bottles <input checked="" type="checkbox"/> Intact / Broken / Leaking							
7) Date Received <u>12-2-05</u>							
8) Time Received <u>0830</u>							
Preservative Name/Lot No:							

VOA Matrix Key:  
 US = Unpreserved Soil    A = Air  
 UA = Unpreserved Aqueo    H = HCl  
 M/N = MeOH & NaHSO<sub>4</sub>    E = Encore  
 N = NaHSO<sub>4</sub>    M = MeOH

See Sample Condition Notification/Corrective Action Form    yes /  no

Rad OK  yes / no

**MITKEM CORPORATION**  
**Sample Condition Form**

Received By: <u>NW</u>		Reviewed By: <u>JDH</u>		Date: <u>12-3-05</u> MITKEM Project #: <u>D1453</u>			
Client Project: <u>OLD TOY</u>		Client: <u>EBE</u>				Soil Headspace or Air Bubbles $\geq 1/4"$	
Cooler Sealed <u>Yes</u> /No	Lab Sample ID	Preservation (pH)				VOA Matrix	
		HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	HCl	NaOH		
	D1453 -06					UA FE E	
	D1453 -07					UA FE E	
1) Custody Seal(s) Present / Absent	D1453 -08					UA FE E	
Coolers / Bottles Intact / Broken							
2) Custody Seal Number(s) <u>N/A</u>							
3) Chain-of-Custody <u>Present</u> / Absent							
4) Cooler Temperature <u>12</u>							
Coolant Condition <u>ICE</u>							
5) Airbill(s) <u>Present</u> / Absent							
Airbill Number(s) <u>FED-EX</u>							
<u>8550 243463600</u>							
<u>8550 24346337</u>							
<u>8550 24346318</u>							
6) Sample Bottles <u>Intact</u> /Broken/Leaking							
7) Date Received <u>12-3-05</u>							
8) Time Received <u>0855</u>							
Preservative Name/Lot No:							

VOA Matrix Key:  
**US** = Unpreserved Soil    **A** = Air  
**UA** = Unpreserved Aqueo    **H** = HCl  
**M/N** = MeOH & NaHSO<sub>4</sub>    **E** = Encore  
**N** = NaHSO<sub>4</sub>    **M** = MeOH

See Sample Condition Notification/Corrective Action Form    yes / no

Rad OK yes / no



\* Volatiles \*

2B  
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK5K	95	90	102		0
02	V5KLCS	96	90	99		0
03	SD02-S-O	106	84	101		0
04	SD02-S-OMS	98	82	96		0
05	SD02-S-OMSD	107	79	102		0
06	SD05-S-D	106	100	105		0
07	SD12-S-O	109	102	105		0
08	SD13-S-O	115	93	107		0
09	SD01-S-O	117	93	104		0
10	SD05-S-O	117	91	106		0
11	SD08-S-O	133	80	107		0
12	SD11-S-O	97	95	109		0
13	VHBLK5K	96	107	100		0
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

QC LIMITS

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

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

3B  
SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix Spike - EPA Sample No.: SD02-S-0 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	38	0.0	32	84	59-172
Trichloroethene	38	0.0	37	97	62-137
Benzene	38	0.0	38	100	66-142
Toluene	38	0.0	38	100	59-139
Chlorobenzene	38	0.0	39	103	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
1,1-Dichloroethene	35	30	86	2	22	59-172
Trichloroethene	35	32	91	6	24	62-137
Benzene	35	34	97	3	21	66-142
Toluene	35	34	97	3	21	59-139
Chlorobenzene	35	33	94	9	21	60-133

# 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  
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix Spike - Sample No.: V5KLCS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		39	78	59-172
Trichloroethene	50		43	86	62-137
Benzene	50		42	84	66-142
Toluene	50		43	86	59-139
Chlorobenzene	50		46	92	60-133

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

\* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_

4A  
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK5K

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453  
 Lab File ID: V5G3672 Lab Sample ID: MB-21333  
 Date Analyzed: 12/09/05 Time Analyzed: 1016  
 GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y  
 Instrument ID: V5

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V5KLCS	LCS-21333	V5G3673	1050
02	SD02-S-O	D1453-06B	V5G3674	1149
03	SD02-S-OMS	D1453-06BMS	V5G3675	1219
04	SD02-S-OMSD	D1453-06BMSD	V5G3676	1249
05	SD05-S-D	D1453-05B	V5G3680	1453
06	SD12-S-O	D1453-07B	V5G3682	1551
07	SD13-S-O	D1453-08B	V5G3683	1620
08	SD01-S-O	D1453-01B	V5G3684	1649
09	SD05-S-O	D1453-02B	V5G3685	1718
10	SD08-S-O	D1453-03B	V5G3686	1747
11	SD11-S-O	D1453-04B	V5G3687	1816
12	VHBLK5K	VHBLK5K	V5G3692	2041
13				
14				
15				
16				
17				
18				
19				
20				
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30				

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_



5A  
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Lab File ID: V5G3660 BFB Injection Date: 12/08/05

Instrument ID: V5 BFB Injection Time: 1516

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.0
75	30.0 - 66.0% of mass 95	41.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 ( 0.0)1
174	50.0 - 120.0% of mass 95	88.3
175	4.0 - 9.0% of mass 174	6.5 ( 7.3)1
176	93.0 - 101.0% of mass 174	85.6 ( 97.0)1
177	5.0 - 9.0% of mass 176	5.7 ( 6.7)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	VSTD0505J	VSTD0505J	V5G3661	12/08/05	1541
02	VSTD2005J	VSTD2005J	V5G3663	12/08/05	1641
03	VSTD1005J	VSTD1005J	V5G3664	12/08/05	1710
04	VSTD0205J	VSTD0205J	V5G3665	12/08/05	1740
05	VSTD0105J	VSTD0105J	V5G3667	12/08/05	1842
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A  
 VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
 BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453  
 Lab File ID: V5G3670 BFB Injection Date: 12/09/05  
 Instrument ID: V5 BFB Injection Time: 0924  
 GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	16.9
75	30.0 - 66.0% of mass 95	41.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.0 ( 0.0) 1
174	50.0 - 120.0% of mass 95	87.8
175	4.0 - 9.0% of mass 174	6.1 ( 7.0) 1
176	93.0 - 101.0% of mass 174	84.0 ( 95.7) 1
177	5.0 - 9.0% of mass 176	5.6 ( 6.7) 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	VSTD0505K	VSTD0505K	V5G3671	12/09/05	0943
02	VBLK5K	MB-21333	V5G3672	12/09/05	1016
03	V5KLCS	LCS-21333	V5G3673	12/09/05	1050
04	SD02-S-O	D1453-06B	V5G3674	12/09/05	1149
05	SD02-S-OMS	D1453-06BMS	V5G3675	12/09/05	1219
06	SD02-S-OMSD	D1453-06BMSD	V5G3676	12/09/05	1249
07	SD05-S-D	D1453-05B	V5G3680	12/09/05	1453
08	SD12-S-O	D1453-07B	V5G3682	12/09/05	1551
09	SD13-S-O	D1453-08B	V5G3683	12/09/05	1620
10	SD01-S-O	D1453-01B	V5G3684	12/09/05	1649
11	SD05-S-O	D1453-02B	V5G3685	12/09/05	1718
12	SD08-S-O	D1453-03B	V5G3686	12/09/05	1747
13	SD11-S-O	D1453-04B	V5G3687	12/09/05	1816
14	VHBLK5K	VHBLK5K	V5G3692	12/09/05	2041
15					
16					
17					
18					
19					
20					
21					
22					

8A  
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453  
 EPA Sample No. (VSTD050##): VSTD0505K Date Analyzed: 12/09/05  
 Lab File ID (Standard): V5G3671 Time Analyzed: 0943  
 Instrument ID: V5 Heated Purge: (Y/N) Y  
 GC Column: DB-624 ID: 0.25 (mm)

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	148954	5.13	764494	6.13	663994	9.22
UPPER LIMIT	297908	5.63	1528988	6.63	1327988	9.72
LOWER LIMIT	74477	4.63	382247	5.63	331997	8.72
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE						
=====	=====	=====	=====	=====	=====	=====
01 VBLK5K	145602	5.13	746968	6.13	647146	9.22
02 V5KLCS	145291	5.13	734096	6.13	628431	9.22
03 SD02-S-O	132905	5.14	655695	6.12	499788	9.22
04 SD02-S-OMS	131844	5.14	628806	6.12	507112	9.22
05 SD02-S-OMSD	117120	5.13	558457	6.13	439064	9.22
06 SD05-S-D	260243	5.13	1233076	6.13	954686	9.22
07 SD12-S-O	261238	5.13	1228395	6.13	971640	9.22
08 SD13-S-O	230894	5.14	1109319	6.12	812620	9.22
09 SD01-S-O	224456	5.13	1036013	6.12	722063	9.22
10 SD05-S-O	209025	5.14	929901	6.12	641651	9.22
11 SD08-S-O	172038	5.13	691331	6.12	409431	9.22
12 SD11-S-O	184132	5.14	765895	6.12	583890	9.22
13 VHBLK5K	258070	5.13	1282568	6.13	1108521	9.22
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.

SD01-S-O

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-01B

Sample wt/vol: 6.5(g/mL) G Lab File ID: V5G3684

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 45 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
75-71-8	Dichlorodifluoromethane	14	U
74-87-3	Chloromethane	14	U
75-01-4	Vinyl Chloride	14	U
74-83-9	Bromomethane	14	U
75-00-3	Chloroethane	14	U
75-69-4	Trichlorofluoromethane	14	U
75-35-4	1,1-Dichloroethene	14	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14	U
67-64-1	Acetone	14	U
75-15-0	Carbon Disulfide	14	U
79-20-9	Methyl Acetate	14	U
75-09-2	Methylene Chloride	14	U
156-60-5	trans-1,2-Dichloroethene	14	U
1634-04-4	Methyl tert-Butyl Ether	14	U
75-34-3	1,1-Dichloroethane	14	U
156-59-2	cis-1,2-Dichloroethene	14	U
78-93-3	2-Butanone	14	U
67-66-3	Chloroform	14	U
71-55-6	1,1,1-Trichloroethane	14	U
110-82-7	Cyclohexane	14	U
56-23-5	Carbon Tetrachloride	14	U
71-43-2	Benzene	14	U
107-06-2	1,2-Dichloroethane	14	U

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD01-S-O

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-01B

Sample wt/vol: 6.5(g/mL) G Lab File ID: V5G3684

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 45 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
79-01-6	Trichloroethene	14	U
108-87-2	Methylcyclohexane	14	U
78-87-5	1,2-Dichloropropane	14	U
75-27-4	Bromodichloromethane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
108-88-3	Toluene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
79-00-5	1,1,2-Trichloroethane	14	U
127-18-4	Tetrachloroethene	14	U
591-78-6	2-Hexanone	14	U
124-48-1	Dibromochloromethane	14	U
106-93-4	1,2-Dibromoethane	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
1330-20-7	Xylene (Total)	14	U
100-42-5	Styrene	14	U
75-25-2	Bromoform	14	U
98-82-8	Isopropylbenzene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
541-73-1	1,3-Dichlorobenzene	14	U
106-46-7	1,4-Dichlorobenzene	14	U
95-50-1	1,2-Dichlorobenzene	14	U
96-12-8	1,2-Dibromo-3-chloropropane	14	U
120-82-1	1,2,4-Trichlorobenzene	14	U

1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SD01-S-O

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-01B

Sample wt/vol: 6.5 (g/mL) G Lab File ID: V5G3684

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 45 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.84	40	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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29.				
30.				

Data File: \\AVOCADRO\ORGANICS\organic\voa\5.1\081209.B\VEG3684.D

Date: 09-DEC-2008 16:49

Client ID: SD01-S-0

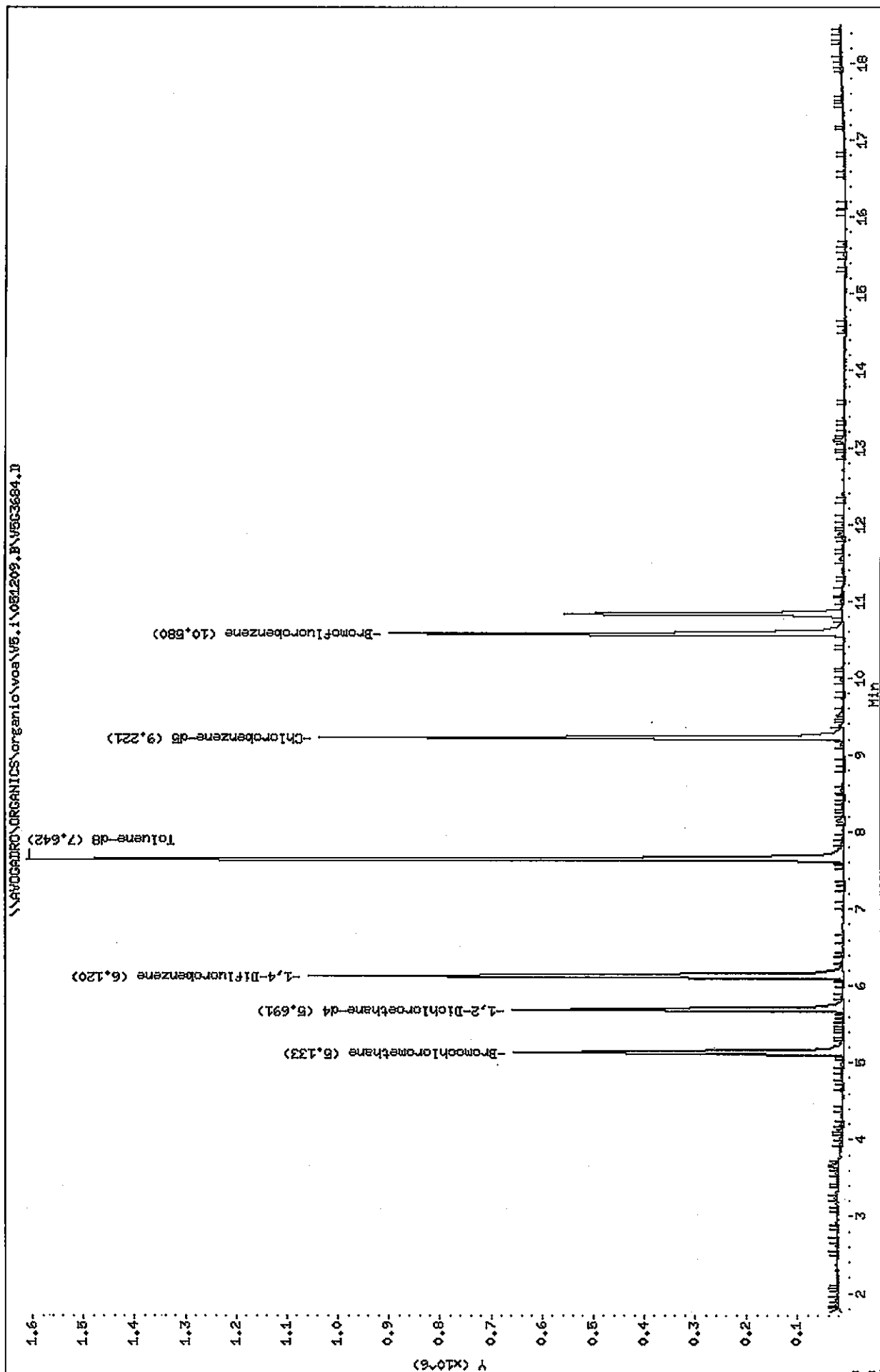
Sample Info: Em1.D\483-Q1B,,24333

Instrument: v5.i

Operator: HZ SRC: LIMS

Column diameter: 0.25

Column phase: DB-624



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3684.D  
 Report Date: 14-Dec-2005 11:12

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3684.D  
 Lab Smp Id: D1453-01B Client Smp ID: SD01-S-0  
 Inj Date : 09-DEC-2005 16:49  
 Operator : HZ SRC: LIMS Inst ID: v5.i  
 Smp Info : 5ml,D1453-01B,,21333  
 Misc Info :  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\v5clp4h.m  
 Meth Date : 14-Dec-2005 11:05 mtl Quant Type: ISTD  
 Cal Date : 09-DEC-2005 09:43 Cal File: V5G3671.D  
 Als bottle: 14  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET3

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	6.500	Weight of sample (g)
M	45.000	% Moisture (not decanted)

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN ( ug/L)	FINAL (ug/Kg)
* 18 Bromochloromethane	128	5.133	5.131	(1.000)	224456	50.0000		
\$ 23 1,2-Dichloroethane-d4	65	5.691	5.688	(1.109)	519114	52.0813	73	
* 26 1,4-Difluorobenzene	114	6.120	6.129	(1.000)	1036013	50.0000		
\$ 33 Toluene-d8	98	7.642	7.639	(0.829)	1310251	58.3273	82	
* 42 Chlorobenzene-d5	117	9.221	9.218	(1.000)	722063	50.0000		
\$ 50 Bromofluorobenzene	95	10.580	10.577	(1.147)	417199	46.6860	65	

SB  
12/14/05



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3684.D  
 Report Date: 14-Dec-2005 11:12

Mitekem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3684.D  
 Lab Smp Id: D1453-01B Client Smp ID: SD01-S-O  
 Inj Date : 09-DEC-2005 16:49  
 Operator : HZ SRC: LIMS Inst ID: v5.i  
 Smp Info : 5ml,D1453-01B,,21333  
 Misc Info :  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\v5clp4h.m.  
 Meth Date : 14-Dec-2005 11:05 mt1 Quant Type: ISTD  
 Cal Date : 09-DEC-2005 09:43 Cal File: V5G3671.D  
 Als bottle: 14  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET3

Concentration Formula: Amt \* DF \* UF \* 5 / (Ws \* (100 - M) / 100)

Name	Value	Description
DF	1.000	Dilution Factor
UF	1.000	ng unit correction factor
Ws	6.500	Weight of sample (g)
M	45.000	% Moisture (not decanted)

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 42 Chlorobenzene-d5	9.221	2201040	50.000

RT	CONCENTRATIONS			QUAL	QUANT		
	AREA	ON-COL ( ug/L)	FINAL (ug/Kg)		LIBRARY	LIB ENTRY	CPND #
====	====	=====	=====	====	=====	=====	=====
Unknown				CAS #:			
10.835	1255695	28.5250382	40	0		0	42

Data File: \\AVOGADRO\ORGANICS\organic\voa\v5.1\051209.B\563684.D

Date : 09-DEC-2006 16:49

Client ID: SD01-S-0

Instrument: v5.1

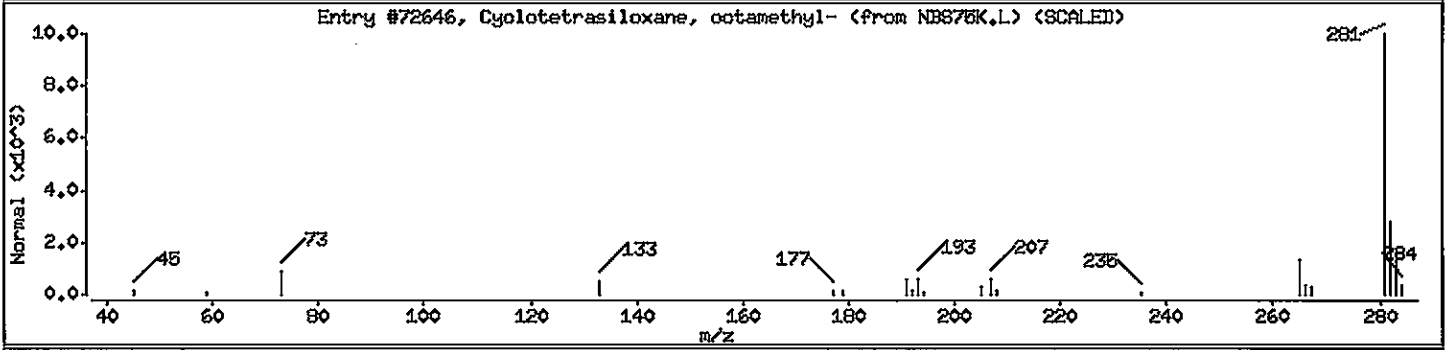
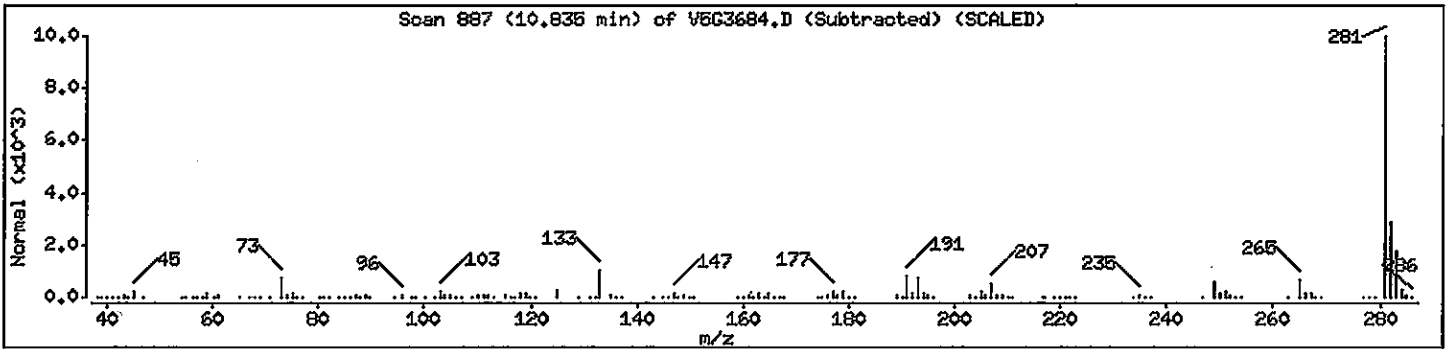
Sample Info: Em1,D1463-01B,,21333

Operator: HZ SRC: LIMS

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS76K.L	72646	83	C8H24O4Si4	296



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD02-S-O

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-06B

Sample wt/vol: 9.4 (g/mL) G Lab File ID: V5G3674

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 24 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

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

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD02-S-O

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-06B

Sample wt/vol: 9.4 (g/mL) G Lab File ID: V5G3674

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 24 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
79-01-6	Trichloroethene	7	U
108-87-2	Methylcyclohexane	7	U
78-87-5	1,2-Dichloropropane	7	U
75-27-4	Bromodichloromethane	7	U
10061-01-5	cis-1,3-Dichloropropene	7	U
108-10-1	4-Methyl-2-Pentanone	7	U
108-88-3	Toluene	7	U
10061-02-6	trans-1,3-Dichloropropene	7	U
79-00-5	1,1,2-Trichloroethane	7	U
127-18-4	Tetrachloroethene	7	U
591-78-6	2-Hexanone	7	U
124-48-1	Dibromochloromethane	7	U
106-93-4	1,2-Dibromoethane	7	U
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
1330-20-7	Xylene (Total)	0.7	J
100-42-5	Styrene	7	U
75-25-2	Bromoform	7	U
98-82-8	Isopropylbenzene	7	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
541-73-1	1,3-Dichlorobenzene	7	U
106-46-7	1,4-Dichlorobenzene	7	U
95-50-1	1,2-Dichlorobenzene	7	U
96-12-8	1,2-Dibromo-3-chloropropane	7	U
120-82-1	1,2,4-Trichlorobenzene	7	U

1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SD02-S-0

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-06B

Sample wt/vol: 9.4 (g/mL) G Lab File ID: V5G3674

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 24 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	10.84	21	NJ
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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29.				
30.				

Data File: \\ANUCADURO\ORGANICS\voa\55.1\061209.B\VEG3674.D

Date : 09-DEC-2005 11:49

Client ID: SD02-8-0

Sample Info: 5ml, D1453-06B,, 21.333

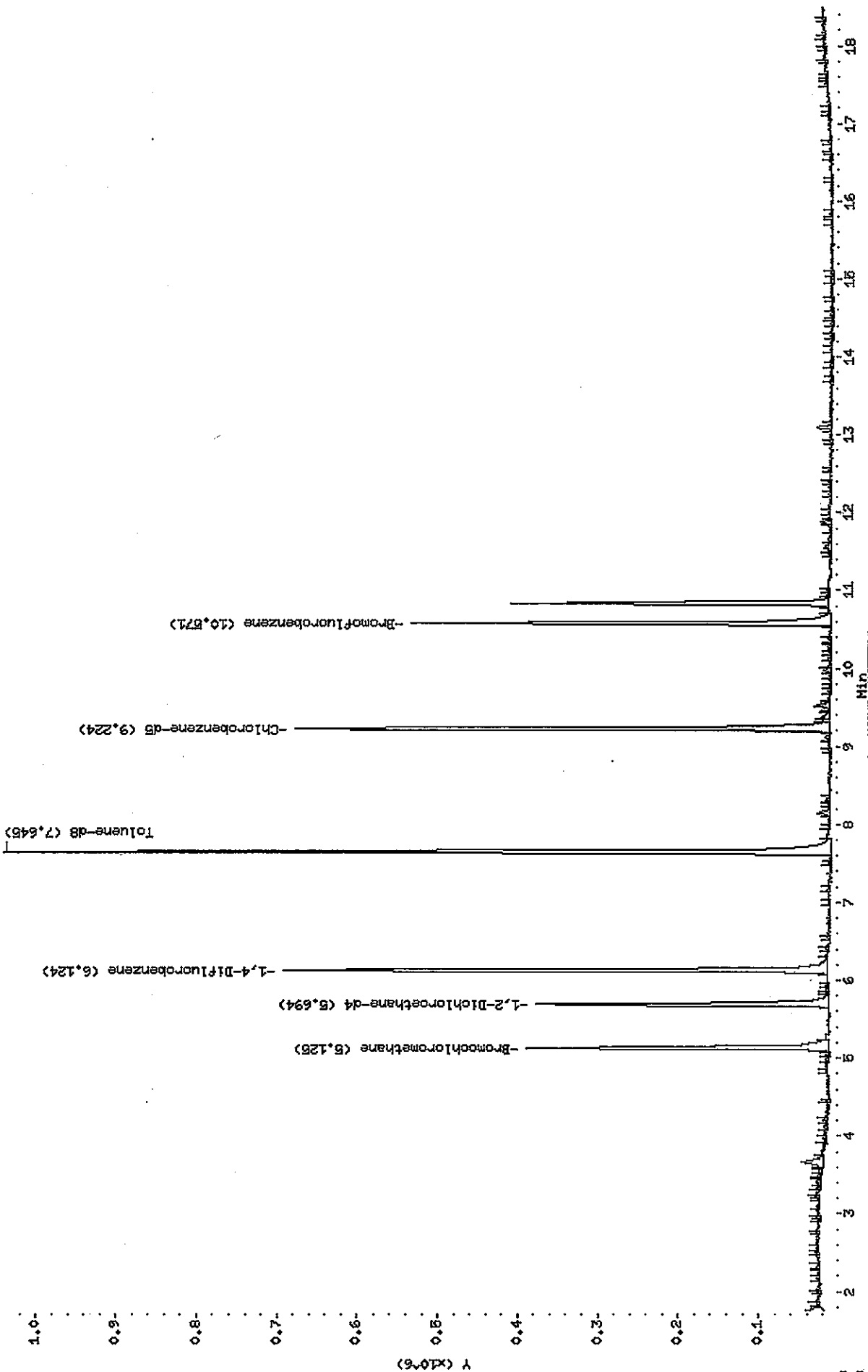
Column phase: DB-624

Instrument: v5.i

Operator: HZ SRC: LIMS

Column diameter: 0.25

\\ANUCADURO\ORGANICS\voa\55.1\061209.B\VEG3674.D



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3674.D  
 Report Date: 14-Dec-2005 11:12

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3674.D  
 Lab Smp Id: D1453-06B Client Smp ID: SD02-S-O  
 Inj Date : 09-DEC-2005 11:49  
 Operator : HZ SRC: LIMS Inst ID: v5.i  
 Smp Info : 5ml,D1453-06B,,21333  
 Misc Info :  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\v5clp4h.m  
 Meth Date : 14-Dec-2005 11:05 mtl Quant Type: ISTD  
 Cal Date : 09-DEC-2005 09:43 Cal File: V5G3671.D  
 Als bottle: 4  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET3

Concentration Formula: Amt \* DF \* UF \* 5 / (Ws \* (100 - M) / 100)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	9.400	Weight of sample (g)
M	✓ 24.000	% Moisture (not decanted)

Compounds	QUANT SIG				CONCENTRATIONS		
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
12 Methylene Chloride	84	3.662	3.667	(0.713)	16094	2.19039	2 (aH)
* 18 Bromochloromethane	128	5.136	5.131	(1.000)	132905	50.0000	
\$ 23 1,2-Dichloroethane-d4	65	5.694	5.688	(1.109)	297834	50.4641	35
* 26 1,4-Difluorobenzene	114	6.124	6.129	(1.000)	655695	50.0000	
\$ 33 Toluene-d8	98	7.645	7.639	(0.829)	823279	52.9485	37
* 42 Chlorobenzene-d5	117	9.224	9.218	(1.000)	499788	50.0000	
45 m,p-Xylene	106	9.515	9.509	(1.031)	7926	1.04297	0.7 (a)
\$ 50 Bromofluorobenzene	95	10.571	10.577	(1.146)	259013	41.8749	29
M 41 Xylene (Total)	106				7926	1.06640	0.7 (a)

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- H - Operator selected an alternate compound hit.

SB  
12/14/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3674.D  
 Report Date: 14-Dec-2005 11:12

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3674.D  
 Lab Smp Id: D1453-06B Client Smp ID: SD02-S-O  
 Inj Date : 09-DEC-2005 11:49  
 Operator : HZ SRC: LIMS Inst ID: v5.i  
 Smp Info : 5ml,D1453-06B,,21333  
 Misc Info :  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\v5clp4h.m  
 Meth Date : 14-Dec-2005 11:05 mtl Quant Type: ISTD  
 Cal Date : 09-DEC-2005 09:43 Cal File: V5G3671.D  
 Als bottle: 4  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET3

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	9.400	Weight of sample (g)
M	24.000	% Moisture (not decanted)

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 42 Chlorobenzene-d5	9.224	1520916	50.000

RT	AREA	CONCENTRATIONS			QUANT		
		ON-COL ( ug/L)	FINAL (ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Cyclotetrasiloxane, octamethyl-					CAS #: 556-67-2		
10.838	917180	30.1522241	21	86	NBS75K.L	41966	42



Data File: \\AVOGADRO\ORGANICS\organico\voa\W5.i\051209.B\VG3674.D

Date : 09-DEC-2005 11:49

Client ID: SD02-S-0

Instrument: v5.i

Sample Info: Em1,D1453-06B,,21333

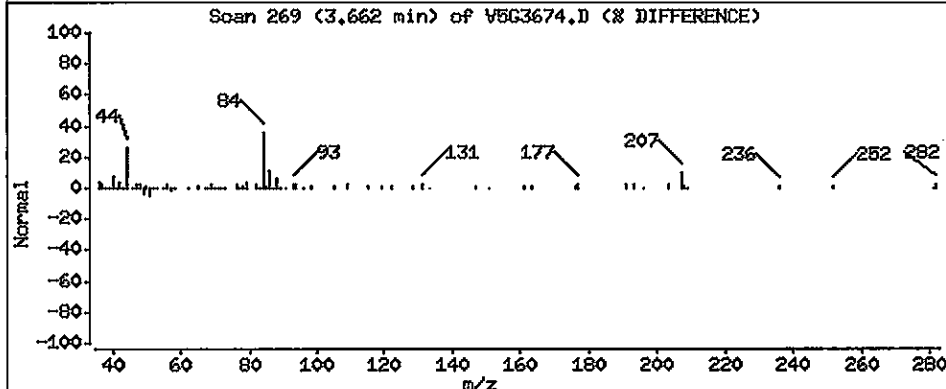
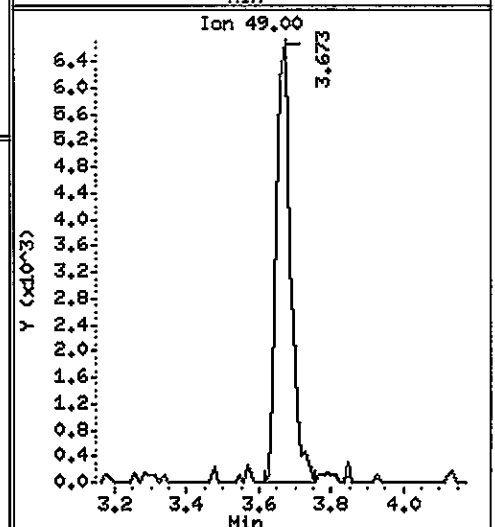
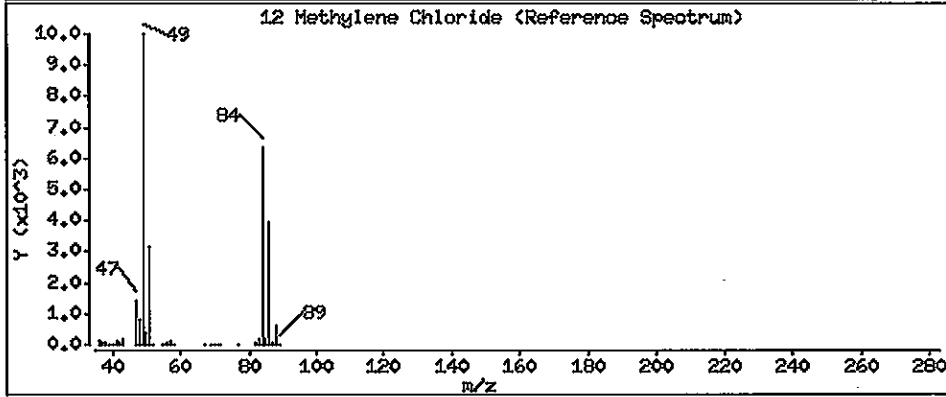
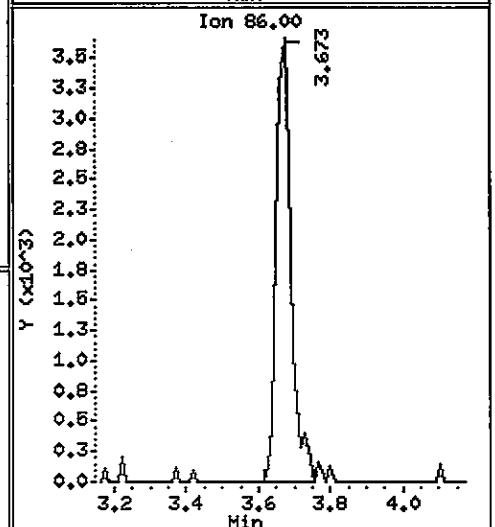
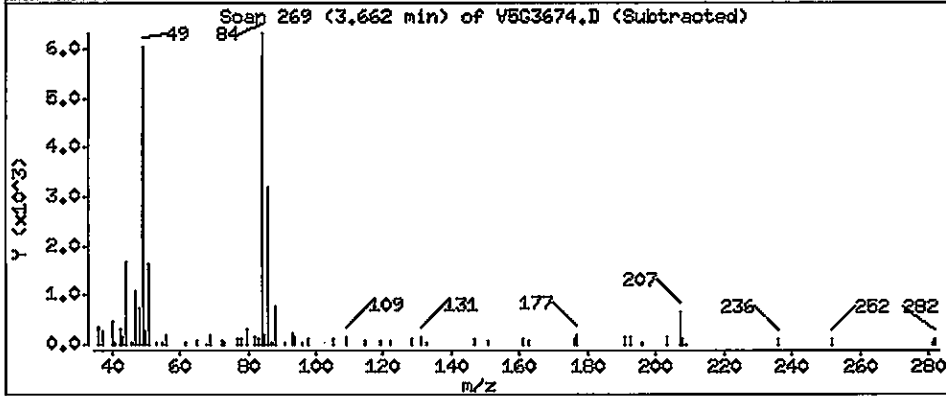
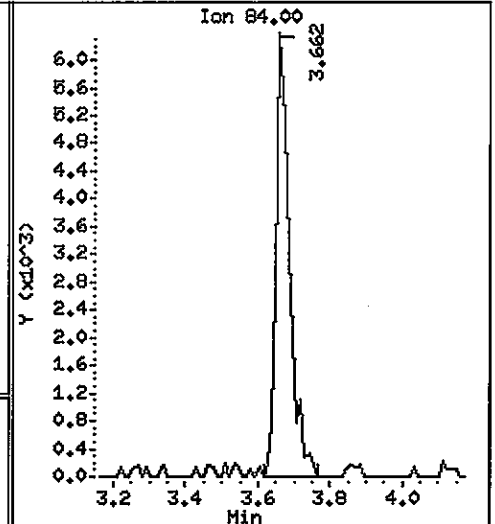
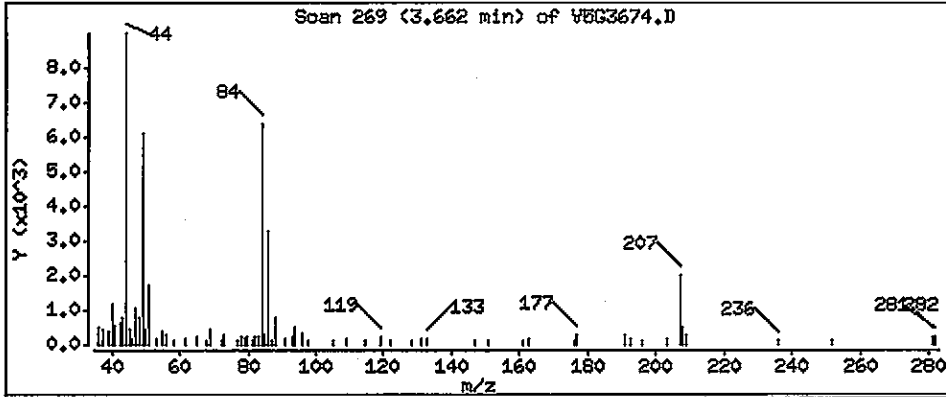
Operator: HZ SRC: LIMS

Column phase: DB-624

Column diameter: 0.25

12 Methylene Chloride

Concentration: 2 ug/Kg



Data File: \\AVOGADRO\ORGANICS\organic\voa\051209.B\563674.D

Date : 09-DEC-2005 11:49

Client ID: SD02-S-0

Instrument: v5.1

Sample Info: 5ml, D1453-06B,, 21333

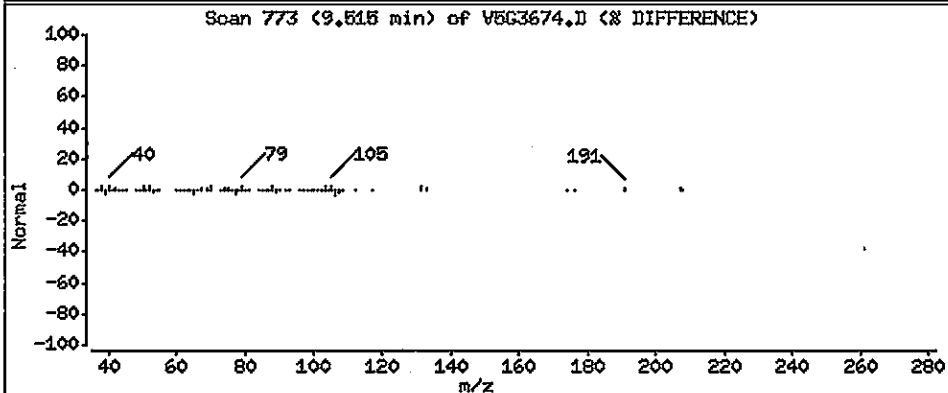
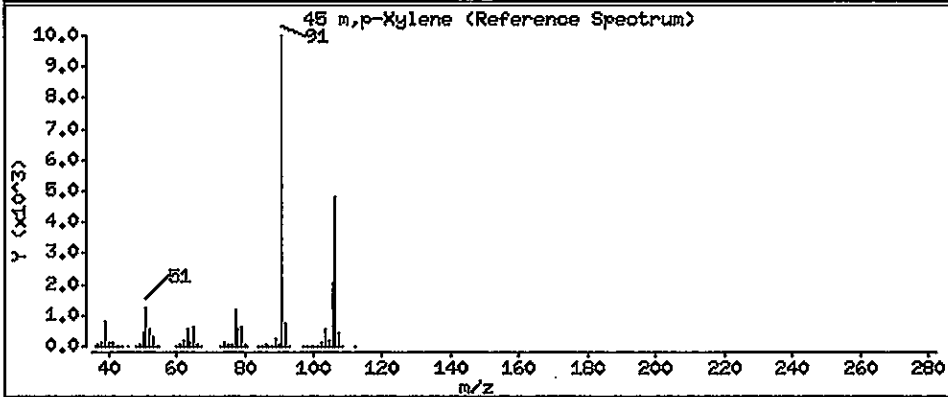
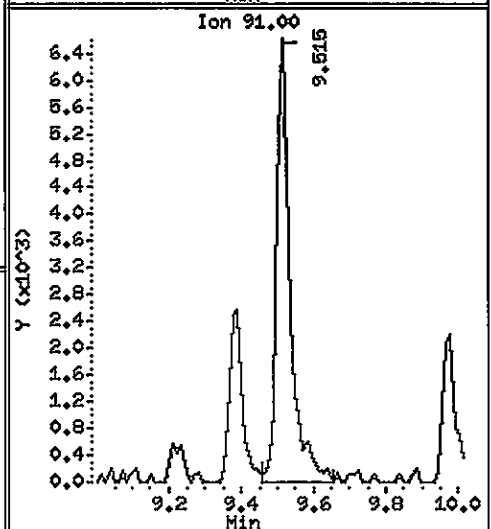
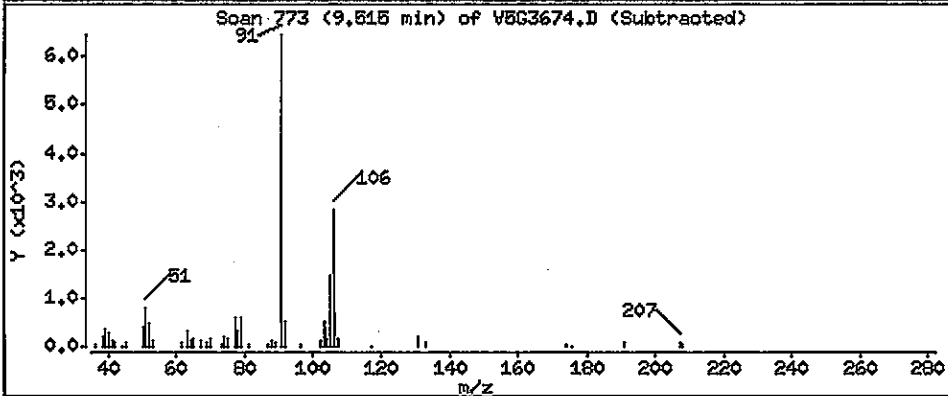
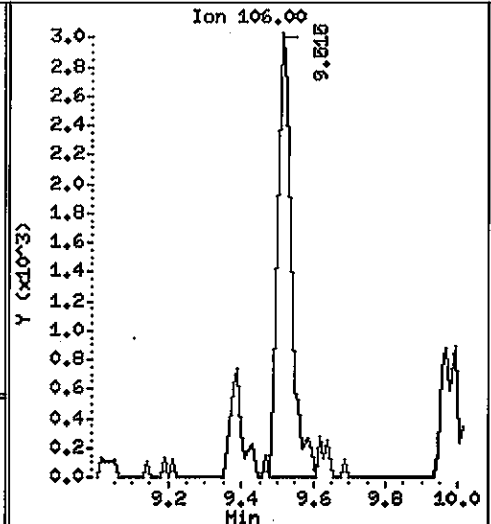
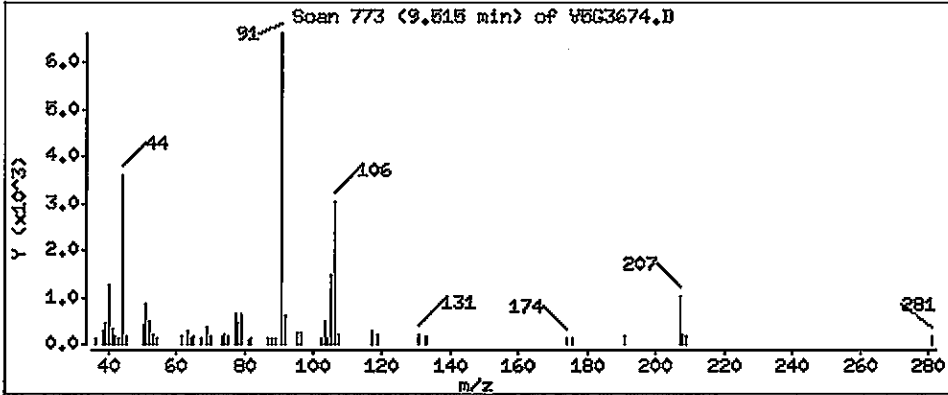
Operator: HZ SRC: LIMS

Column phase: DB-624

Column diameter: 0.25

45 m,p-Xylene

Concentration: 0.7 ug/Kg



Data File: \\AVOGADRO\ORGANICS\organic\voa\051209.B\063674.D

Date : 09-DEC-2005 11:49

Client ID: SD02-S-0

Instrument: v5.i

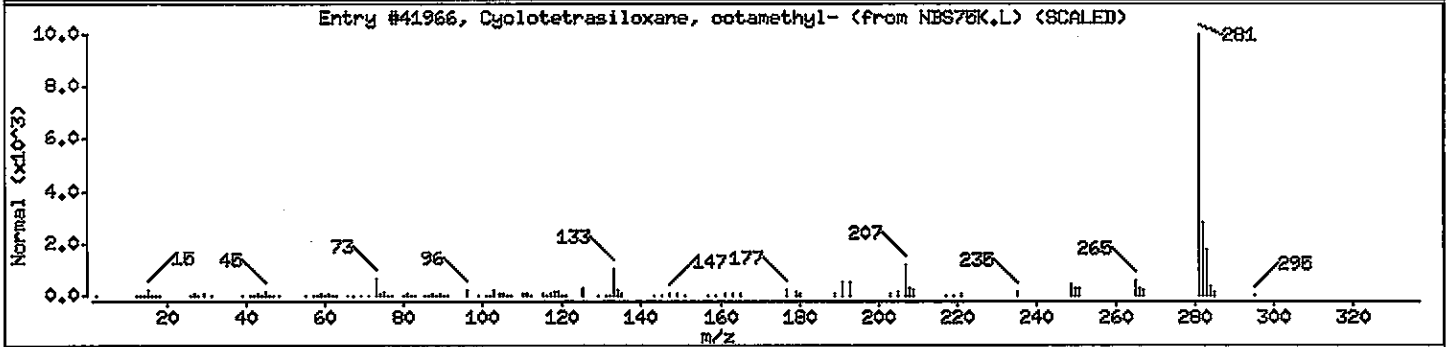
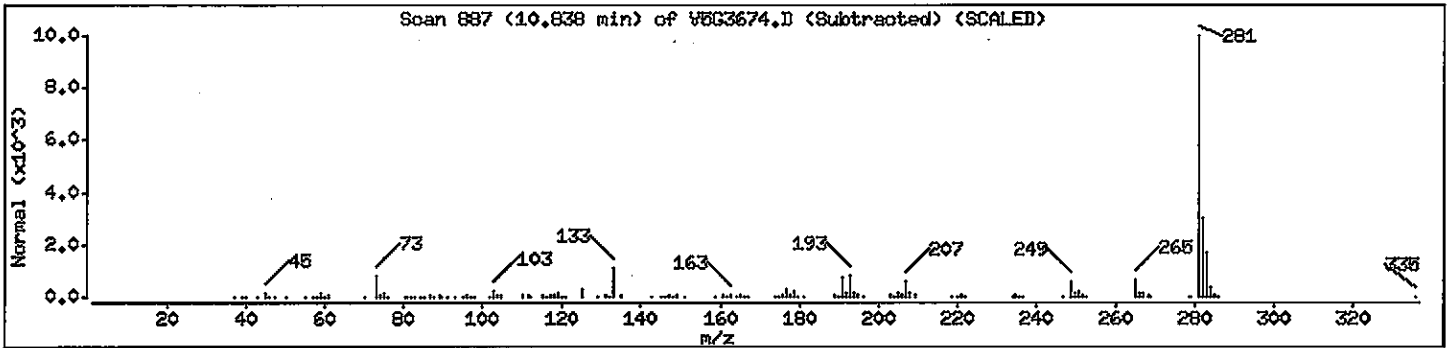
Sample Info: 5ml, D1453-06B,, 21333

Operator: HZ SRC: LIHS

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS76K.L	41966	86	C8H24O4Si4	296



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD05-S-D

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-05B

Sample wt/vol: 6.4(g/mL) G Lab File ID: V5G3680

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 76 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
75-71-8	Dichlorodifluoromethane	33	U
74-87-3	Chloromethane	33	U
75-01-4	Vinyl Chloride	33	U
74-83-9	Bromomethane	33	U
75-00-3	Chloroethane	33	U
75-69-4	Trichlorofluoromethane	33	U
75-35-4	1,1-Dichloroethene	33	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	33	U
67-64-1	Acetone	130	
75-15-0	Carbon Disulfide	33	U
79-20-9	Methyl Acetate	33	U
75-09-2	Methylene Chloride	33	U
156-60-5	trans-1,2-Dichloroethene	33	U
1634-04-4	Methyl tert-Butyl Ether	33	U
75-34-3	1,1-Dichloroethane	33	U
156-59-2	cis-1,2-Dichloroethene	33	U
78-93-3	2-Butanone	54	
67-66-3	Chloroform	33	U
71-55-6	1,1,1-Trichloroethane	33	U
110-82-7	Cyclohexane	33	U
56-23-5	Carbon Tetrachloride	33	U
71-43-2	Benzene	33	U
107-06-2	1,2-Dichloroethane	33	U

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD05-S-D

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-05B

Sample wt/vol: 6.4 (g/mL) G Lab File ID: V5G3680

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 76 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	33	U
108-87-2	Methylcyclohexane	33	U
78-87-5	1,2-Dichloropropane	33	U
75-27-4	Bromodichloromethane	33	U
10061-01-5	cis-1,3-Dichloropropene	33	U
108-10-1	4-Methyl-2-Pentanone	33	U
108-88-3	Toluene	33	U
10061-02-6	trans-1,3-Dichloropropene	33	U
79-00-5	1,1,2-Trichloroethane	33	U
127-18-4	Tetrachloroethene	33	U
591-78-6	2-Hexanone	33	U
124-48-1	Dibromochloromethane	33	U
106-93-4	1,2-Dibromoethane	33	U
108-90-7	Chlorobenzene	33	U
100-41-4	Ethylbenzene	33	U
1330-20-7	Xylene (Total)	33	U
100-42-5	Styrene	33	U
75-25-2	Bromoform	33	U
98-82-8	Isopropylbenzene	33	U
79-34-5	1,1,2,2-Tetrachloroethane	33	U
541-73-1	1,3-Dichlorobenzene	33	U
106-46-7	1,4-Dichlorobenzene	33	U
95-50-1	1,2-Dichlorobenzene	33	U
96-12-8	1,2-Dibromo-3-chloropropane	33	U
120-82-1	1,2,4-Trichlorobenzene	33	U

1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SD05-S-D

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-05B

Sample wt/vol: 6.4 (g/mL) G Lab File ID: V5G3680

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 76 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	10.83	82	NJ
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
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19.				
20.				
21.				
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24.				
25.				
26.				
27.				
28.				
29.				
30.				

Data File: \\AVOCARD\ORGANICS\organo\voa\05.1\051209.B\0503680.D

Date: 09-DEC-2005 14:53

Client ID: SD05-S-D

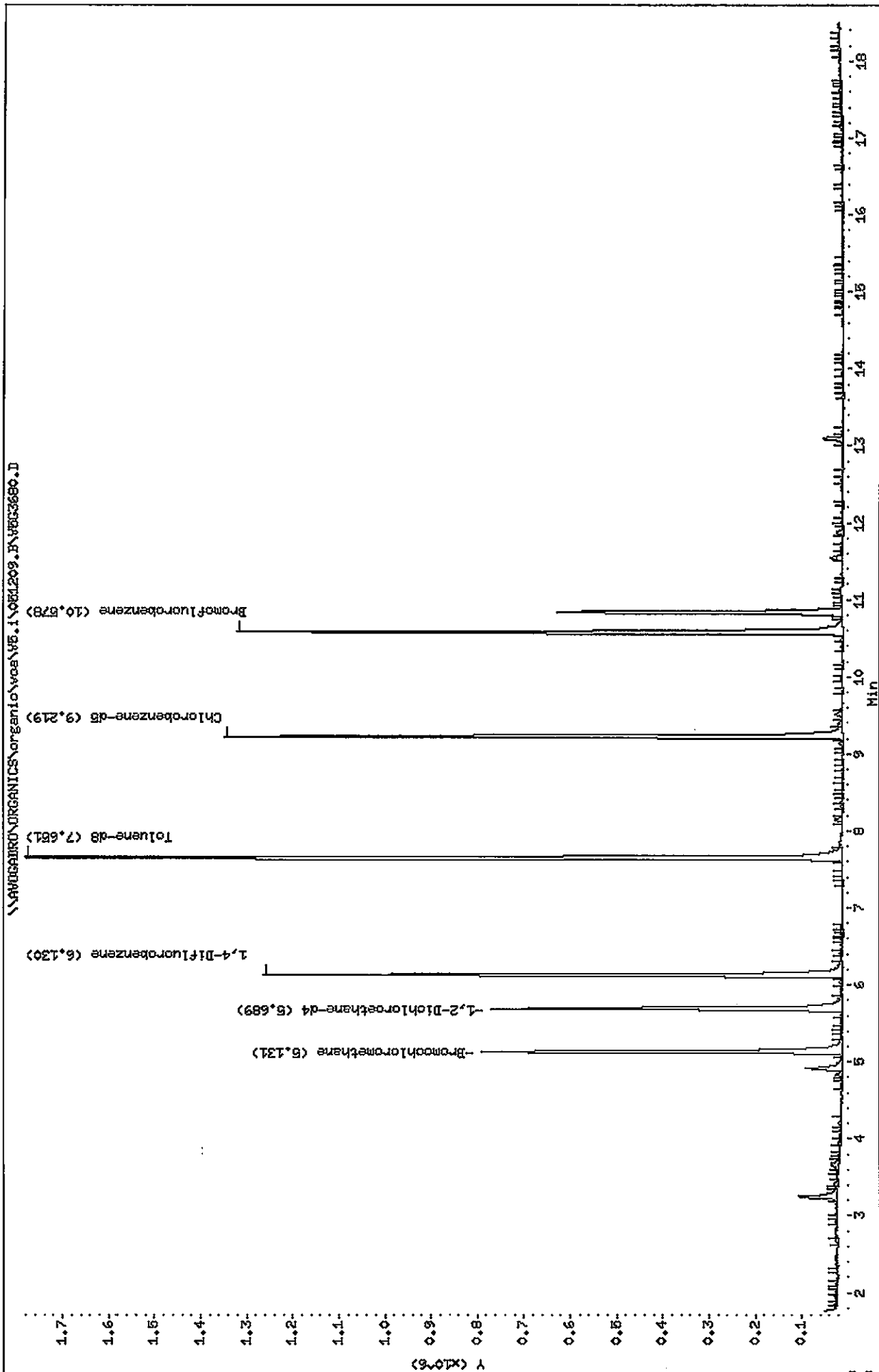
Sample Info: 5ml, D1453-05B,, 21333

Column phase: DB-624

Instrument: v5.i

Operator: HZ SRC: LIMS

Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3680.D  
 Report Date: 14-Dec-2005 11:12

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3680.D  
 Lab Smp Id: D1453-05B Client Smp ID: SD05-S-D  
 Inj Date : 09-DEC-2005 14:53  
 Operator : HZ SRC: LIMS Inst ID: v5.i  
 Smp Info : 5ml,D1453-05B,,21333  
 Misc Info :  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\v5clp4h.m  
 Meth Date : 14-Dec-2005 11:05 mtl Quant Type: ISTD  
 Cal Date : 09-DEC-2005 09:43 Cal File: V5G3671.D  
 Als bottle: 10  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET3

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	6.400	Weight of sample (g)
M	76.000	% Moisture (not decanted)

Compounds	QUANT SIG				CONCENTRATIONS		
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL (ug/Kg)
9 Acetone	43	3.250	3.238	(0.633)	171767	40.4782	130
16 2-Butanone	43	4.911	4.910	(0.957)	145280	16.6923	54 (H)
* 18 Bromochloromethane	128	5.131	5.131	(1.000)	260243	50.0000	
\$ 23 1,2-Dichloroethane-d4	65	5.689	5.688	(1.109)	605866	52.4261	170
* 26 1,4-Difluorobenzene	114	6.130	6.129	(1.000)	1233076	50.0000	
\$ 33 Toluene-d8	98	7.651	7.639	(0.830)	1575560	53.0477	170
* 42 Chlorobenzene-d5	117	9.219	9.218	(1.000)	954686	50.0000	
\$ 50 Bromofluorobenzene	95	10.578	10.577	(1.147)	592364	50.1356	160

QC Flag Legend

H - Operator selected an alternate compound hit.

*JB*  
12/14/05



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3680.D  
 Report Date: 14-Dec-2005 11:12

Mitekem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3680.D  
 Lab Smp Id: D1453-05B Client Smp ID: SD05-S-D  
 Inj Date : 09-DEC-2005 14:53  
 Operator : HZ SRC: LIMS Inst ID: v5.i  
 Smp Info : 5ml,D1453-05B,,21333  
 Misc Info :  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\v5clp4h.m  
 Meth Date : 14-Dec-2005 11:05 mt1 Quant Type: ISTD  
 Cal Date : 09-DEC-2005 09:43 Cal File: V5G3671.D  
 Als bottle: 10  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET3

Concentration Formula: Amt \* DF \* UF \* 5 / (Ws \* (100 - M) / 100)

Name	Value	Description
DF	1.000	Dilution Factor
UF	1.000	ng unit correction factor
Ws	6.400	Weight of sample (g)
M	76.000	% Moisture (not decanted)

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 42 Chlorobenzene-d5	9.219	2882029	50.000

RT	AREA	CONCENTRATIONS		QUAL	QUANT		
		ON-COL ( ug/L)	FINAL (ug/Kg)		LIBRARY	LIB ENTRY	CPND #
-----	-----	-----	-----	-----	-----	-----	-----
Cyclotetrasiloxane, octamethyl-					CAS #:	556-67-2	
10.833	1454369	25.2316857	82	86	NBS75K.L	41966	42

Data File: \\AVOCADRO\ORGANICS\organic\woa\051209.B\VEG3680.D

Date : 09-DEC-2005 14:53

Client ID: SD05-S-D

Instrument: v5.i

Sample Info: 5ml,M1453-05B,,21333

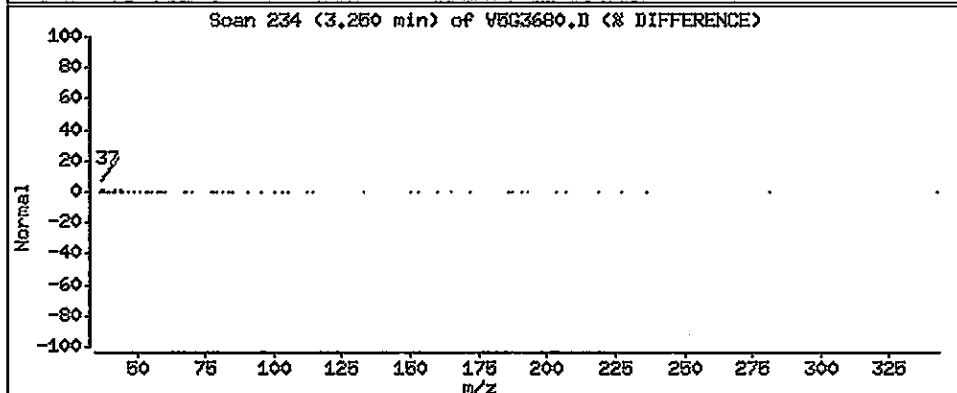
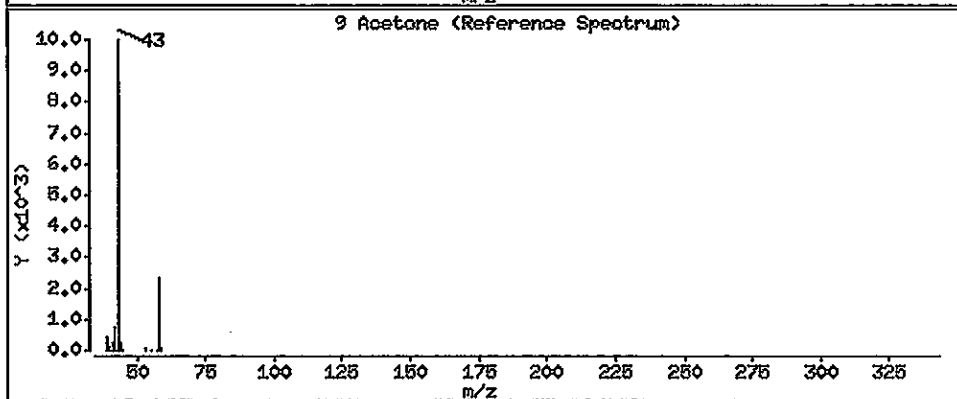
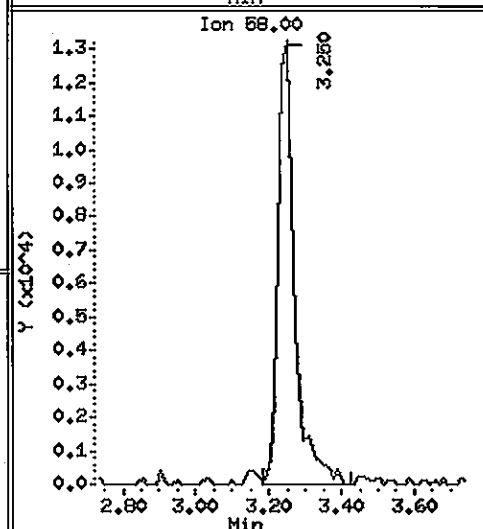
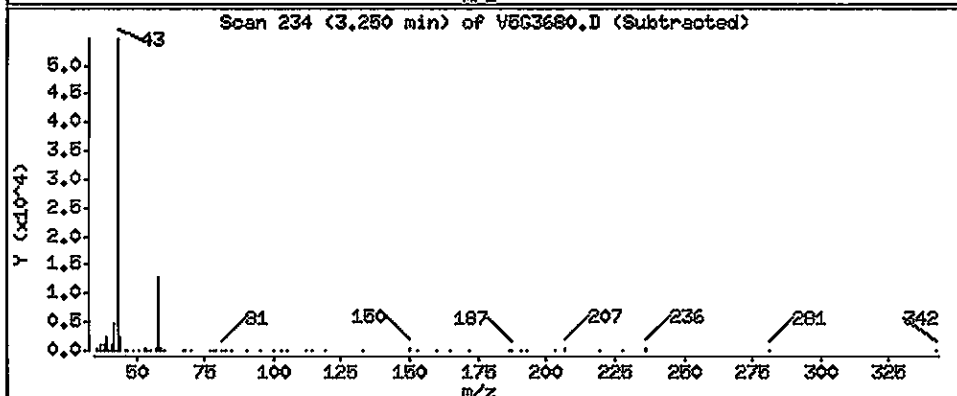
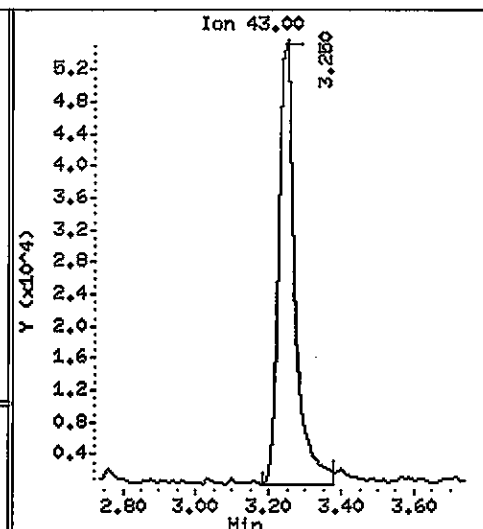
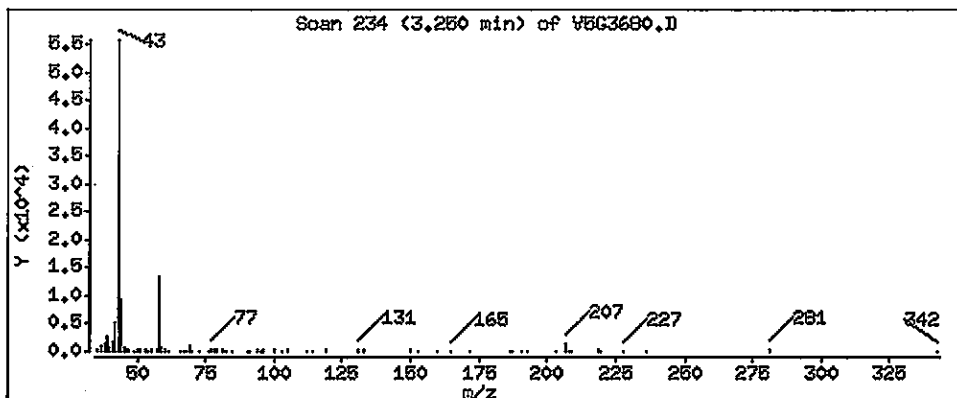
Operator: HZ SRC: LIMS

Column phase: DB-624

Column diameter: 0.25

9 Acetone

Concentration: 130 ug/Kg



Data File: \\AVOGADRO\ORGANICS\organic\voa\VB.i\061209.B\VBG3680.D

Date : 09-DEC-2006 14:53

Client ID: SD05-S-D

Instrument: v5.i

Sample Info: 5ml,D14E3-05B,,21333

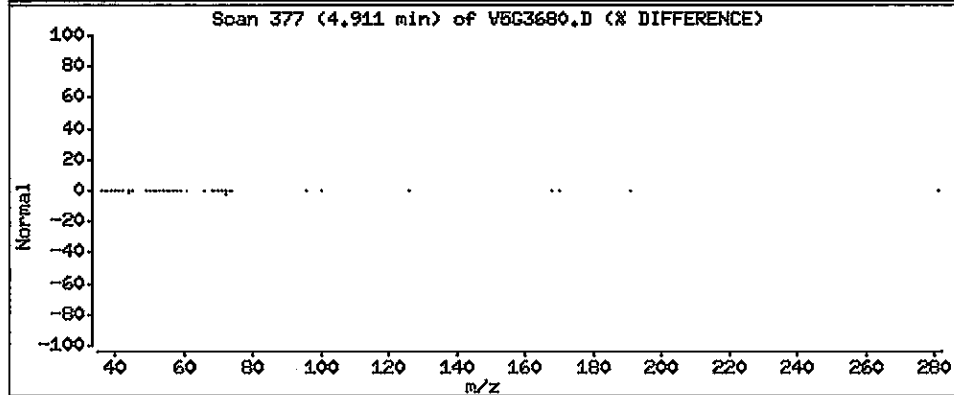
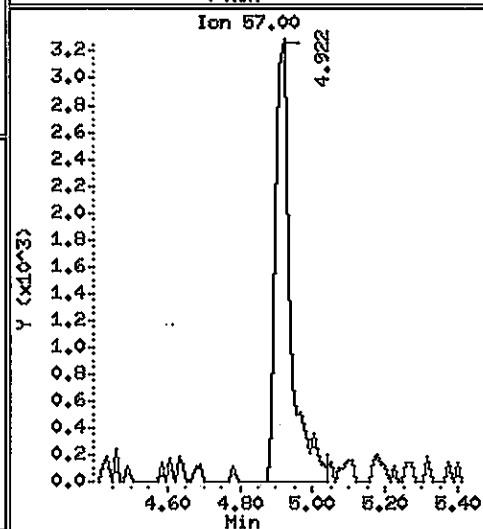
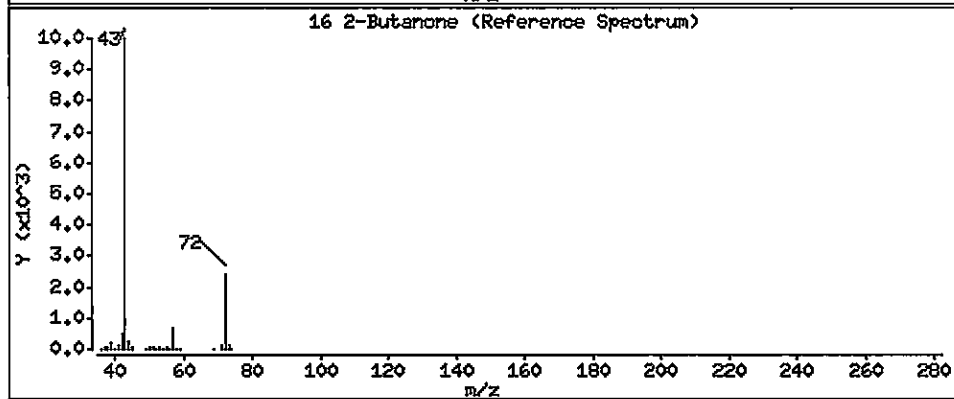
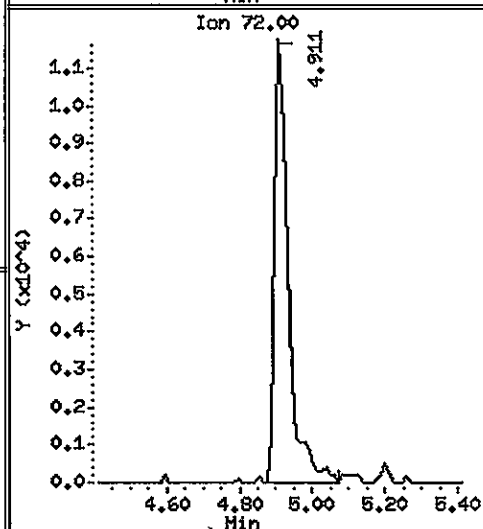
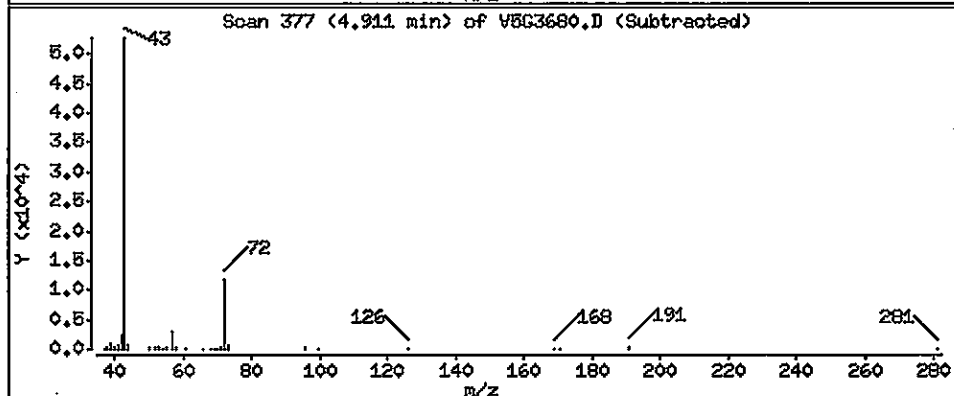
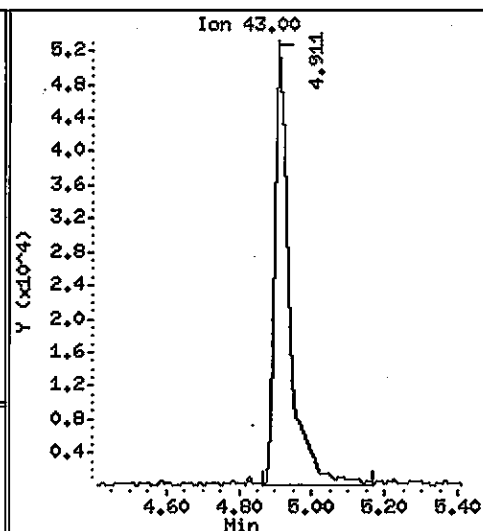
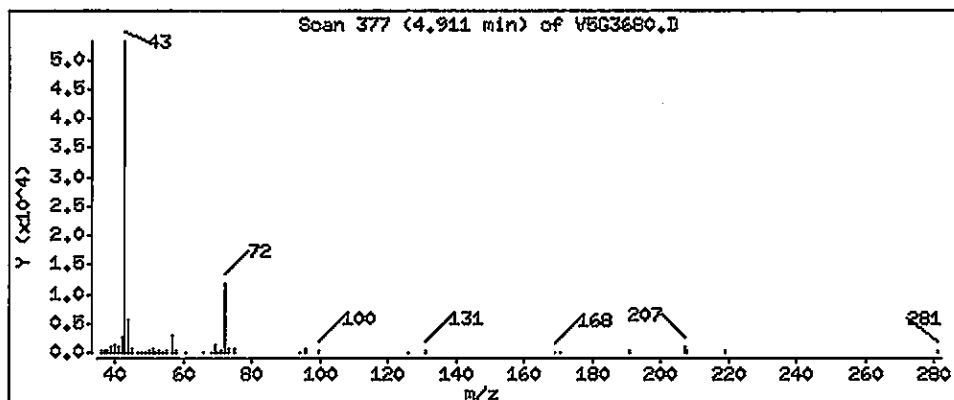
Operator: HZ SRC: LIMS

Column phase: DB-624

Column diameter: 0.25

16 2-Butanone

Concentration: 54 ug/Kg



Data File: \\AVOGADRO\ORGANICS\organic\voa\v5.1\061209.B\563680.D

Date : 09-DEC-2006 14:53

Client ID: SD05-S-D

Instrument: v5.1

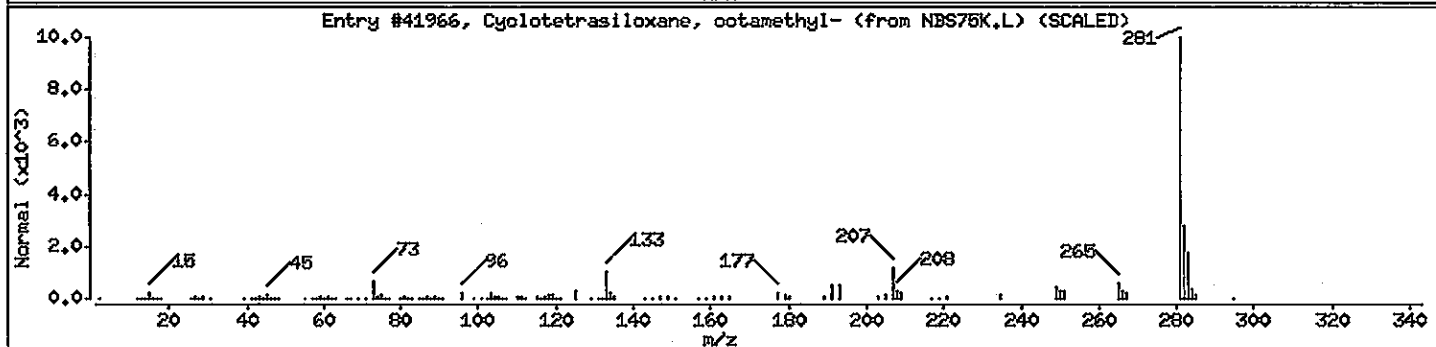
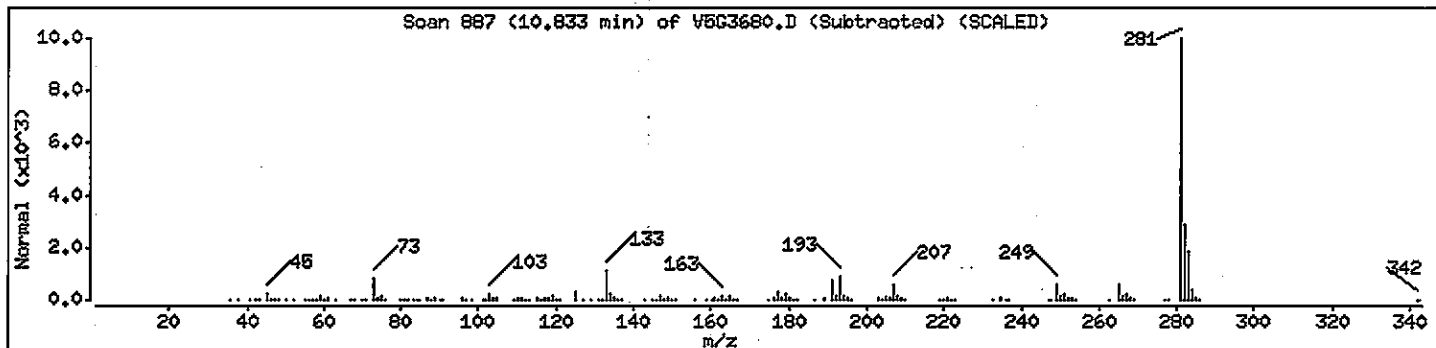
Sample Info: 5ml, D1453-05B,, 21333

Column phase: DB-624

Operator: HZ SRC: LIHS

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS75K.L	41966	86	C8H24O4Si4	296



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD05-S-O

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-02B

Sample wt/vol: 5.9(g/mL) G Lab File ID: V5G3685

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 77 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG  $\emptyset$

CAS NO.	COMPOUND		
75-71-8	Dichlorodifluoromethane	37	U
74-87-3	Chloromethane	37	U
75-01-4	Vinyl Chloride	37	U
74-83-9	Bromomethane	37	U
75-00-3	Chloroethane	37	U
75-69-4	Trichlorofluoromethane	37	U
75-35-4	1,1-Dichloroethene	37	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	37	U
67-64-1	Acetone	320	
75-15-0	Carbon Disulfide	37	U
79-20-9	Methyl Acetate	37	U
75-09-2	Methylene Chloride	9	JB
156-60-5	trans-1,2-Dichloroethene	37	U
1634-04-4	Methyl tert-Butyl Ether	37	U
75-34-3	1,1-Dichloroethane	37	U
156-59-2	cis-1,2-Dichloroethene	37	U
78-93-3	2-Butanone	130	
67-66-3	Chloroform	37	U
71-55-6	1,1,1-Trichloroethane	37	U
110-82-7	Cyclohexane	37	U
56-23-5	Carbon Tetrachloride	37	U
71-43-2	Benzene	37	U
107-06-2	1,2-Dichloroethane	37	U

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD05-S-0

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-02B

Sample wt/vol: 5.9(g/mL) G Lab File ID: V5G3685

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 77 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	37	U
108-87-2	Methylcyclohexane	37	U
78-87-5	1,2-Dichloropropane	37	U
75-27-4	Bromodichloromethane	37	U
10061-01-5	cis-1,3-Dichloropropene	37	U
108-10-1	4-Methyl-2-Pentanone	37	U
108-88-3	Toluene	37	U
10061-02-6	trans-1,3-Dichloropropene	37	U
79-00-5	1,1,2-Trichloroethane	37	U
127-18-4	Tetrachloroethene	37	U
591-78-6	2-Hexanone	37	U
124-48-1	Dibromochloromethane	37	U
106-93-4	1,2-Dibromoethane	37	U
108-90-7	Chlorobenzene	37	U
100-41-4	Ethylbenzene	37	U
1330-20-7	Xylene (Total)	37	U
100-42-5	Styrene	37	U
75-25-2	Bromoform	37	U
98-82-8	Isopropylbenzene	37	U
79-34-5	1,1,2,2-Tetrachloroethane	37	U
541-73-1	1,3-Dichlorobenzene	37	U
106-46-7	1,4-Dichlorobenzene	37	U
95-50-1	1,2-Dichlorobenzene	37	U
96-12-8	1,2-Dibromo-3-chloropropane	37	U
120-82-1	1,2,4-Trichlorobenzene	37	U

1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SD05-S-0

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-02B

Sample wt/vol: 5.9 (g/mL) G Lab File ID: V5G3685

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 77 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	10.84	120	NJ
2.				
3.				
4.				
5.				
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Data File: \\AVOCADRO\ORGANICS\organic\voa\06.1\061209.P\VEG3686.D

Date: 09-DEC-2006 17:18

Client ID: S105-8-0

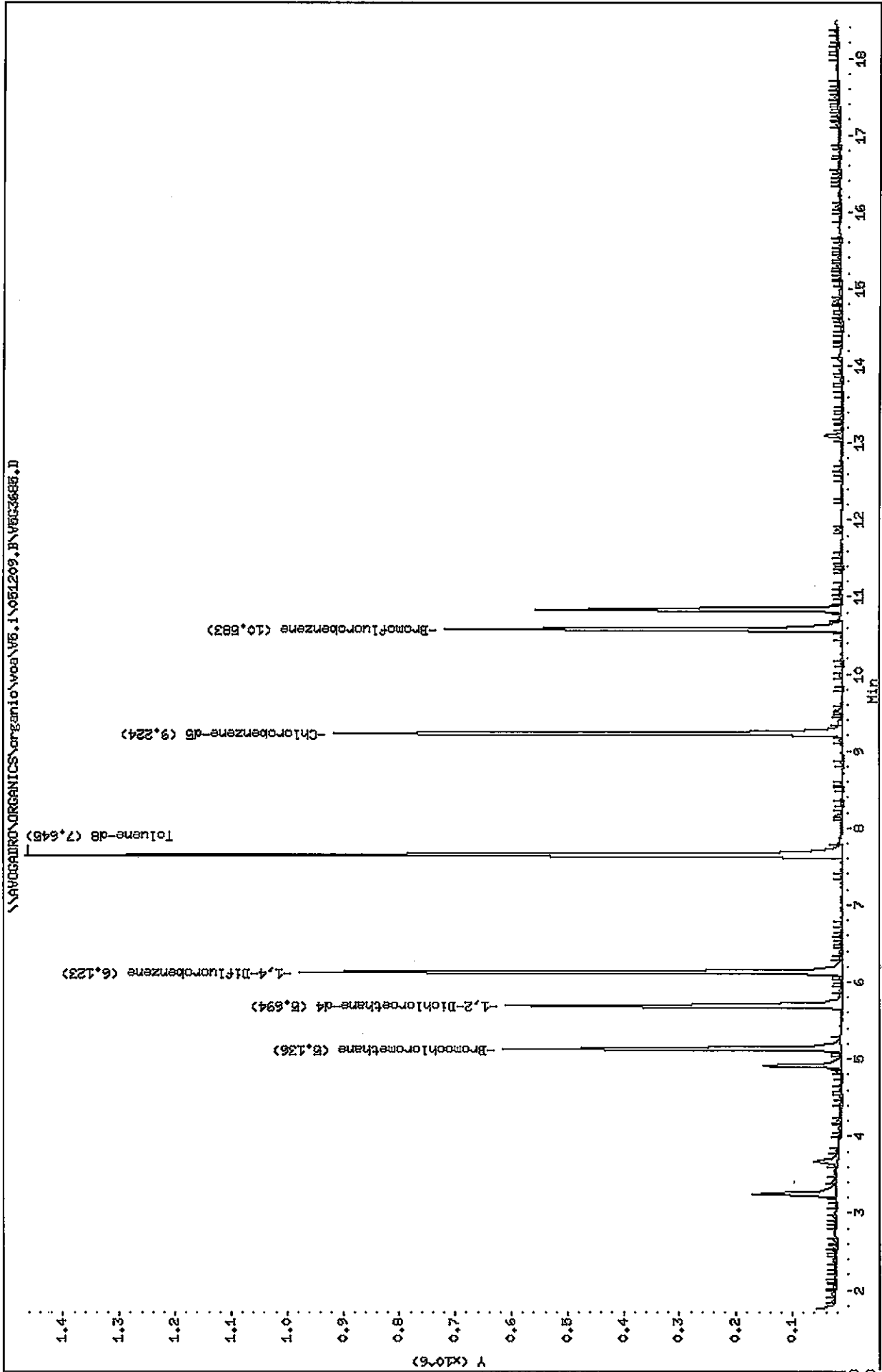
Sample Info: 5ml, J1453-02B,, 21333

Column phase: IIR-624

Instrument: v5.i

Operator: HZ SRC: LIMS

Column diameter: 0.25





Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3685.D  
 Report Date: 14-Dec-2005 11:12

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3685.D  
 Lab Smp Id: D1453-02B Client Smp ID: SD05-S-O  
 Inj Date : 09-DEC-2005 17:18  
 Operator : HZ SRC: LIMS Inst ID: v5.i  
 Smp Info : 5ml,D1453-02B,,21333  
 Misc Info :  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\v5clp4h.m  
 Meth Date : 14-Dec-2005 11:05 mtl Quant Type: ISTD  
 Cal Date : 09-DEC-2005 09:43 Cal File: V5G3671.D  
 Als bottle: 15  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET3

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.900	Weight of sample (g)
M	✓ 77.000	% Moisture (not decanted)

Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL			
	MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)	(ug/Kg)
9 Acetone	43	3.243	3.238	(0.631)	298591	87.6070	320
12 Methylene Chloride	84	3.673	3.667	(0.715)	28315	2.45028	9 (a)
16 2-Butanone	43	4.915	4.910	(0.957)	246842	35.3109	130
* 18 Bromochloromethane	128	5.136	5.131	(1.000)	209025	50.0000	
\$ 23 1,2-Dichloroethane-d4	65	5.694	5.688	(1.109)	493644	53.1821	200
* 26 1,4-Difluorobenzene	114	6.123	6.129	(1.000)	929901	50.0000	
\$ 33 Toluene-d8	98	7.645	7.639	(0.829)	1170053	58.6137	220
* 42 Chlorobenzene-d5	117	9.224	9.218	(1.000)	641651	50.0000	
\$ 50 Bromofluorobenzene	95	10.571	10.577	(1.146)	361922	45.5758	170

QC Flag Legend

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

SB  
 12/14/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3685.D  
 Report Date: 14-Dec-2005 11:12

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3685.D  
 Lab Smp Id: D1453-02B Client Smp ID: SD05-S-O  
 Inj Date : 09-DEC-2005 17:18  
 Operator : HZ SRC: LIMS Inst ID: v5.i  
 Smp Info : 5ml,D1453-02B,,21333  
 Misc Info :  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\v5clp4h.m  
 Meth Date : 14-Dec-2005 11:05 mtl Quant Type: ISTD  
 Cal Date : 09-DEC-2005.09:43 Cal File: V5G3671.D  
 Als bottle: 15  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET3

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.900	Weight of sample (g)
M	77.000	% Moisture (not decanted)

ISTD	RT	AREA	AMOUNT
* 42 Chlorobenzene-d5	9.224	1933212	50.000

RT	AREA	CONCENTRATIONS		QUAL	QUANT		
		ON-COL ( ug/L)	FINAL (ug/Kg)		LIBRARY	LIB ENTRY	CPND #
10.838	1258536	32.5503876	120	90	NBS75K.L	41966	42

Cyclotetrasiloxane, octamethyl- CAS #: 556-67-2

Data File: \\AVOGADRO\ORGANICS\organic\voa\051209.B\563685.D

Date : 09-DEC-2005 17:18

Client ID: SD05-S-0

Instrument: v5.i

Sample Info: Em1.D1453-02B,,21333

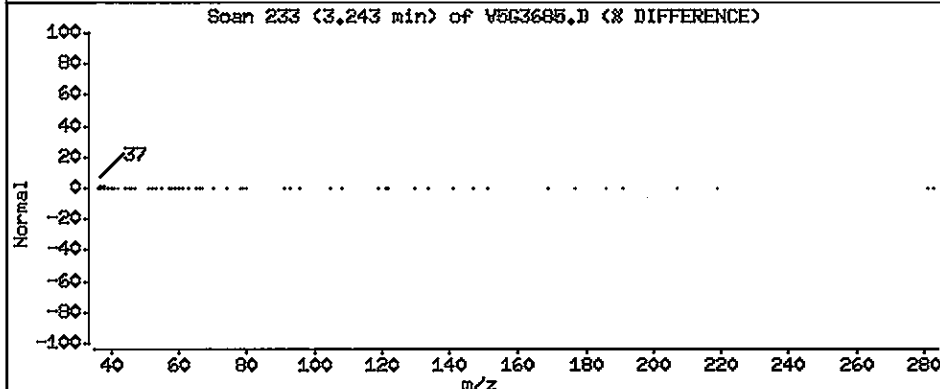
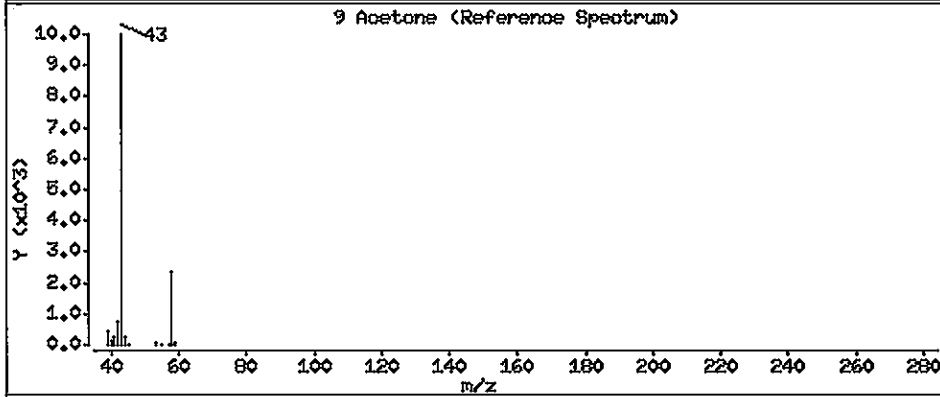
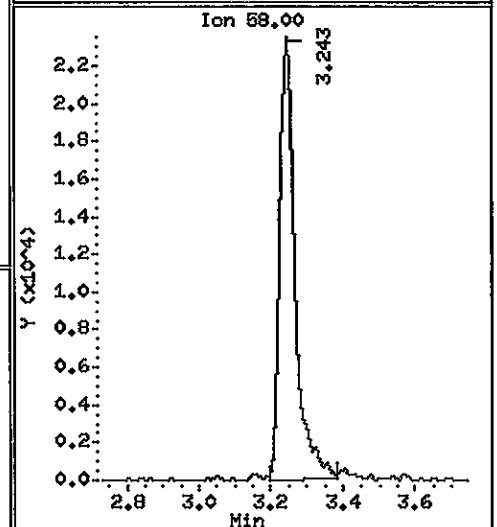
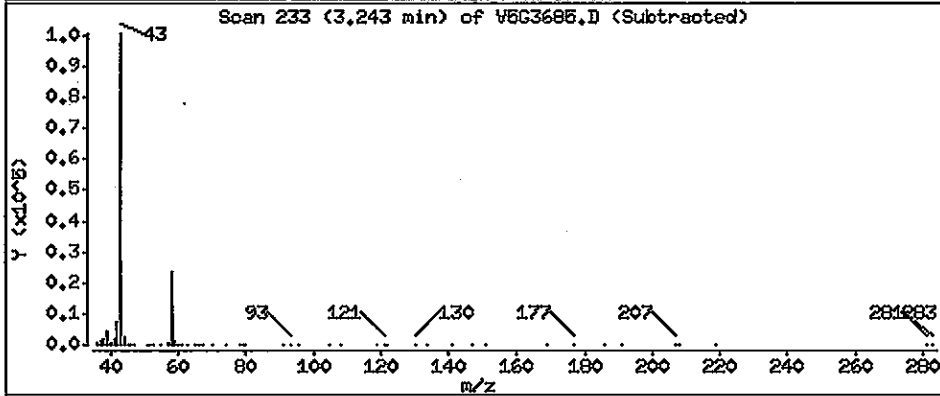
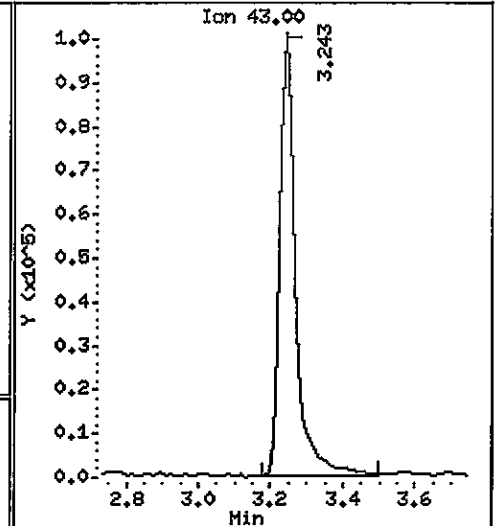
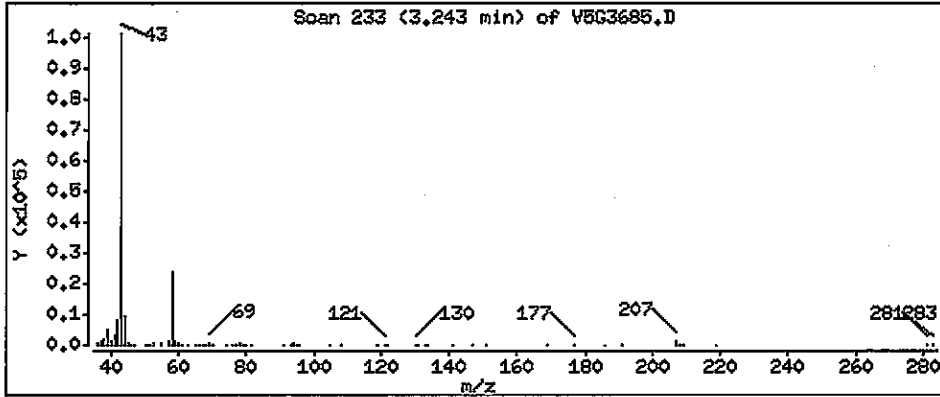
Operator: HZ SRC: LIHS

Column phase: DB-624

Column diameter: 0.25

9 Acetone

Concentration: 320 ug/Kg



Data File: \\AVOCADRO\ORGANICS\organic\voa\051209.B\563685.D

Date : 09-DEC-2005 17:18

Client ID: SD05-S-0

Instrument: v5.1

Sample Info: 5ml,D1453-02B,,21333

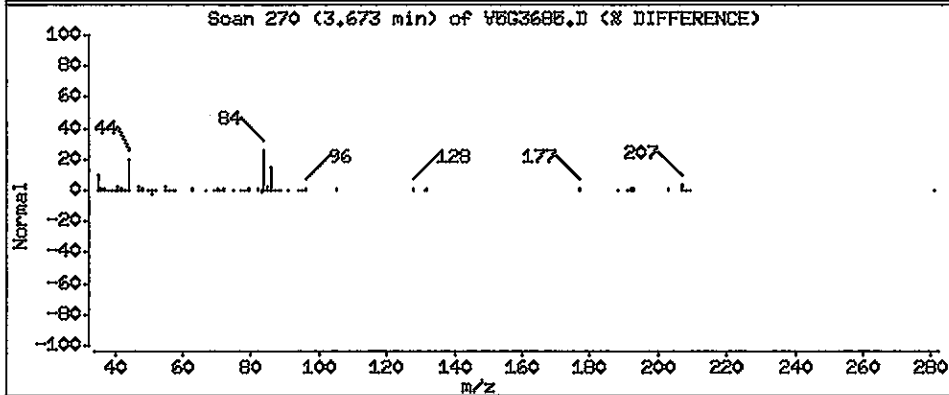
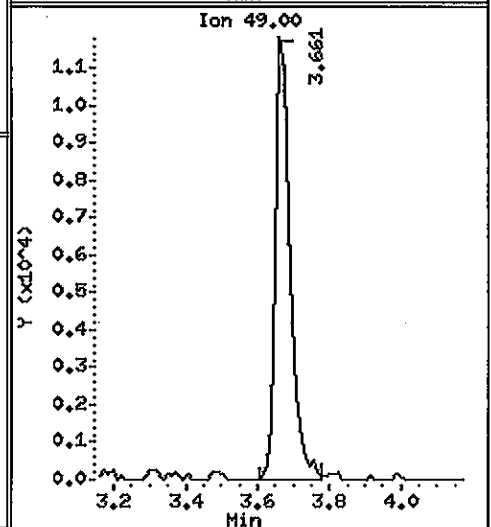
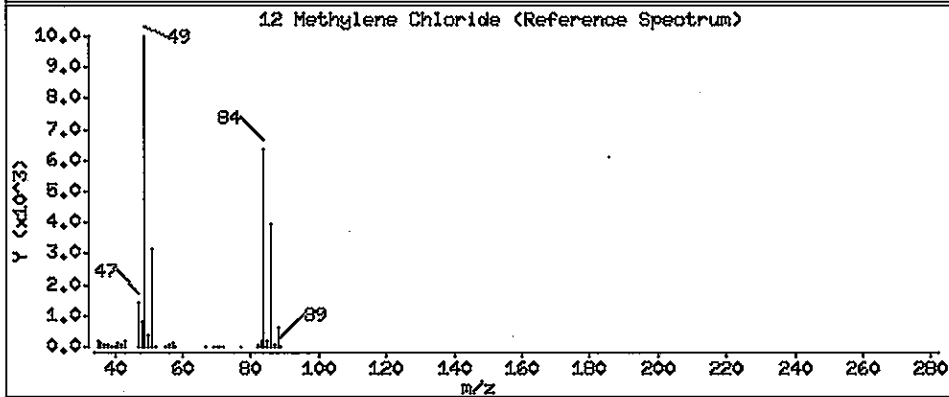
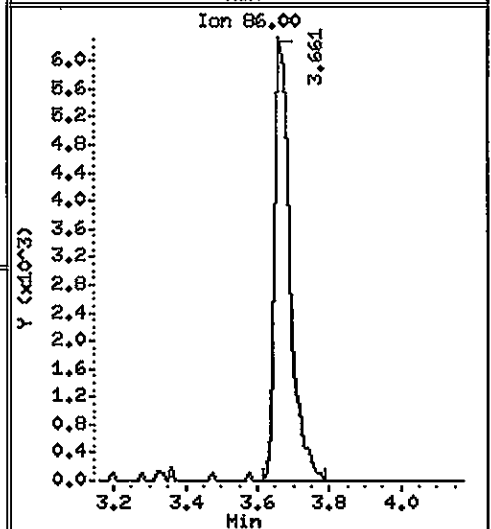
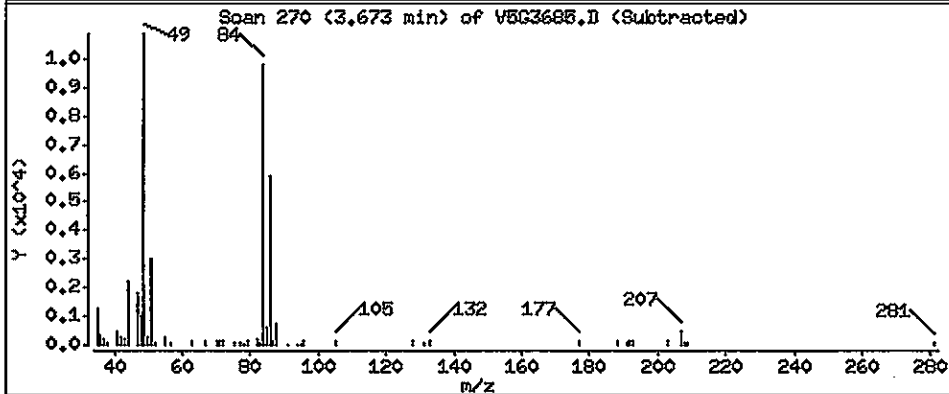
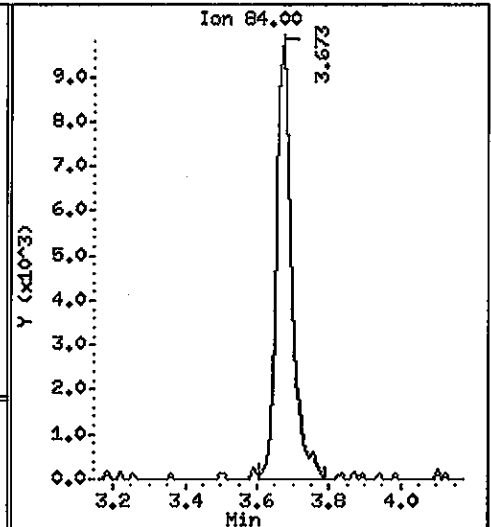
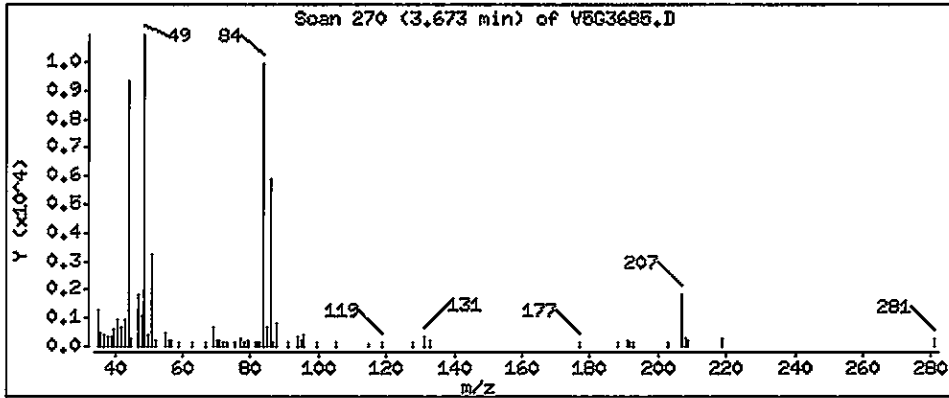
Operator: HZ SRC: LIMS

Column phase: DB-624

Column diameter: 0.25

12 Methylene Chloride

Concentration: 9 ug/Kg



Data File: \\AVOCADRO\ORGANICS\organic\voa\051209.F\563685.D

Date: 09-DEC-2005 17:18

Client ID: SD05-S-0

Instrument: v5.1

Sample Info: 5ml,D1453-02B,,21333

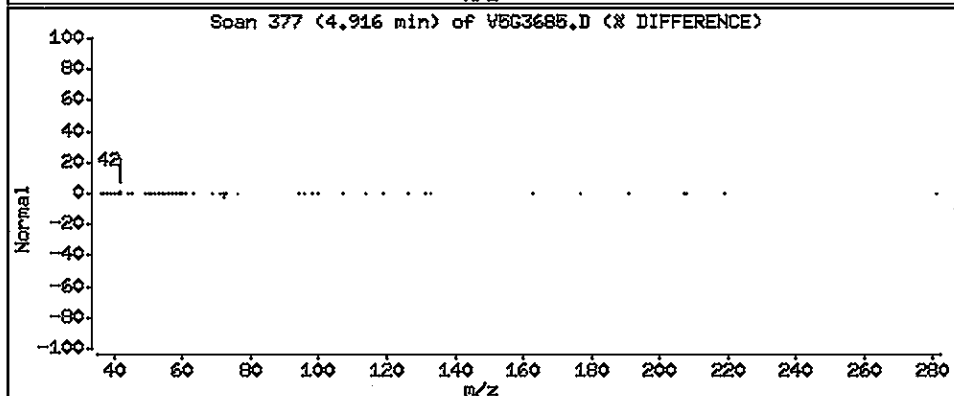
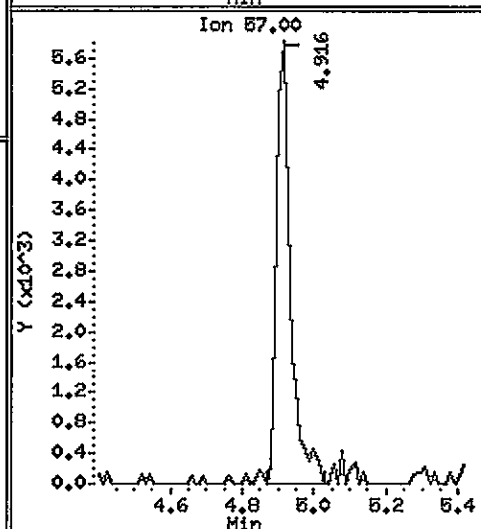
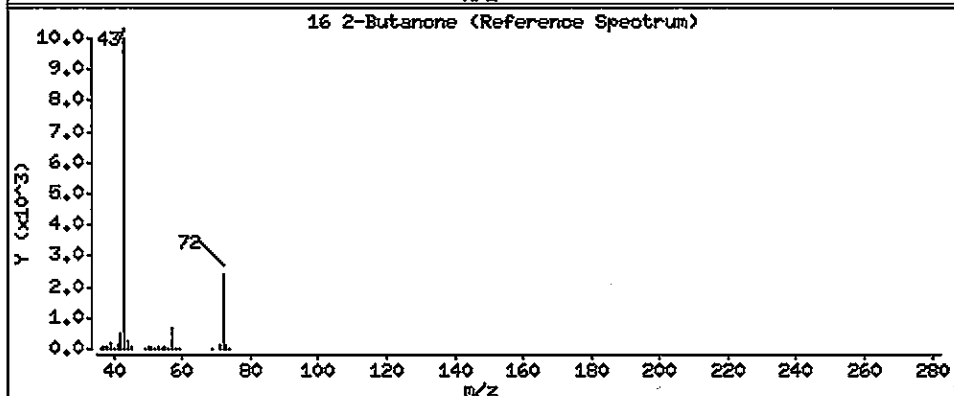
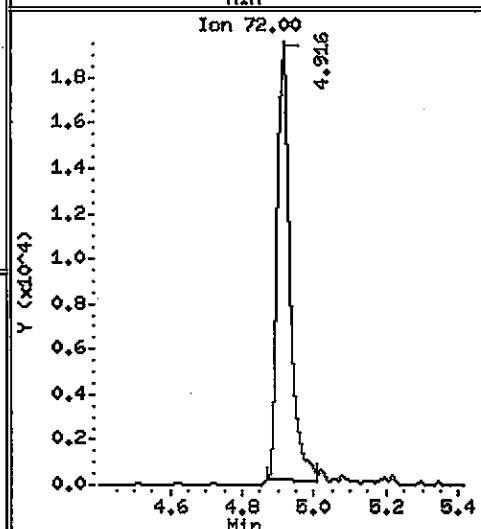
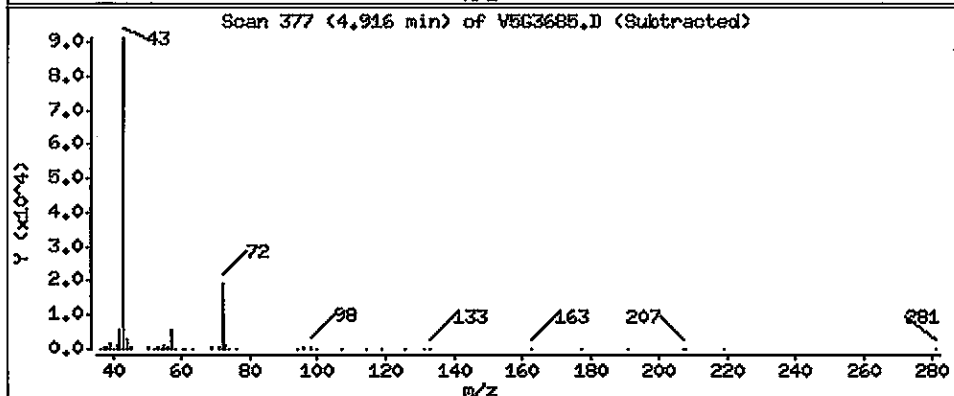
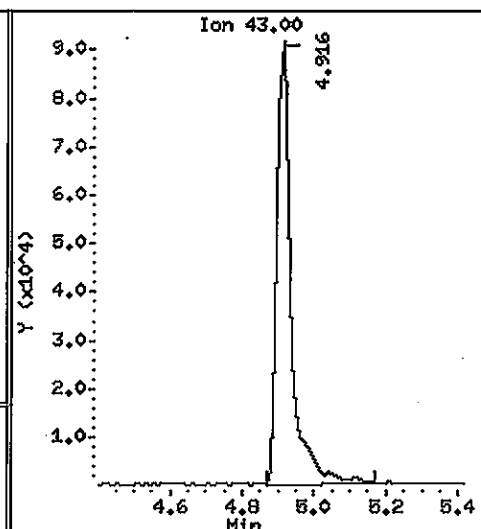
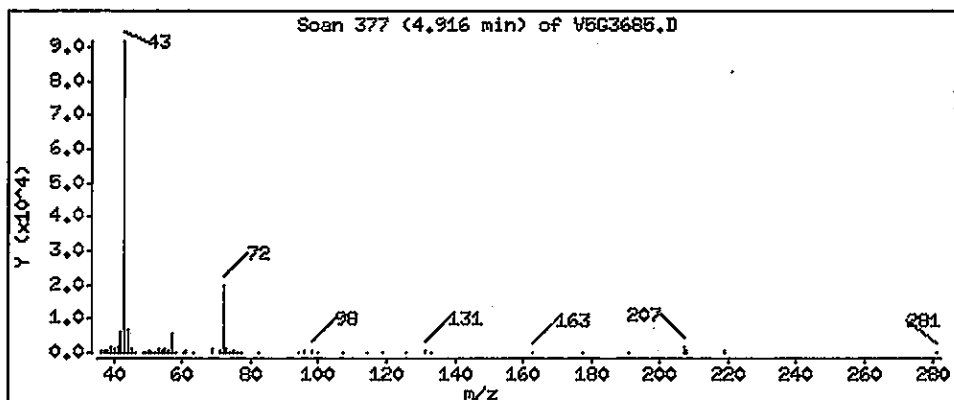
Operator: HZ SRC: LIMS

Column phase: DB-624

Column diameter: 0.25

16 2-Butanone

Concentration: 130 ug/Kg



Data File: \\AVOCADRO\ORGANICS\organic\voa\051209.B\563685.D

Date : 09-DEC-2005 17:18

Client ID: SD05-S-0

Instrument: v5.i

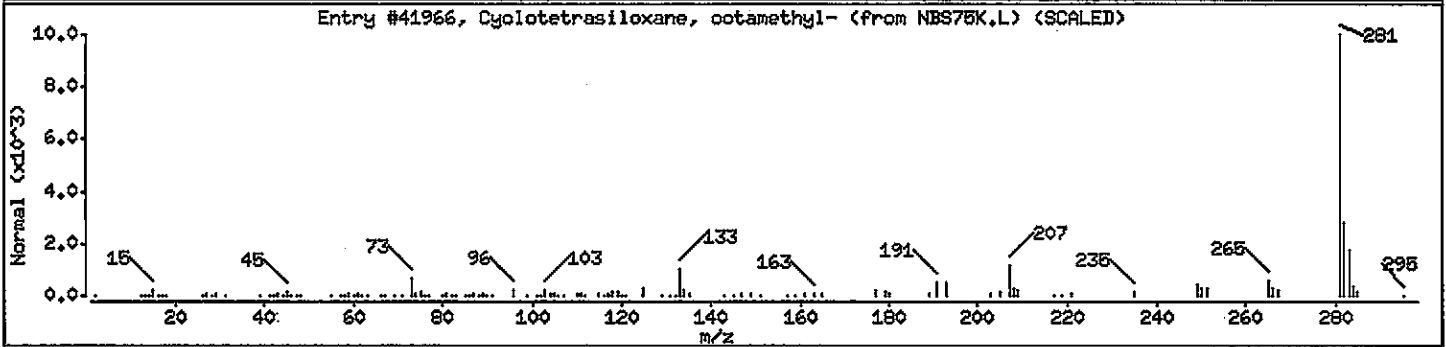
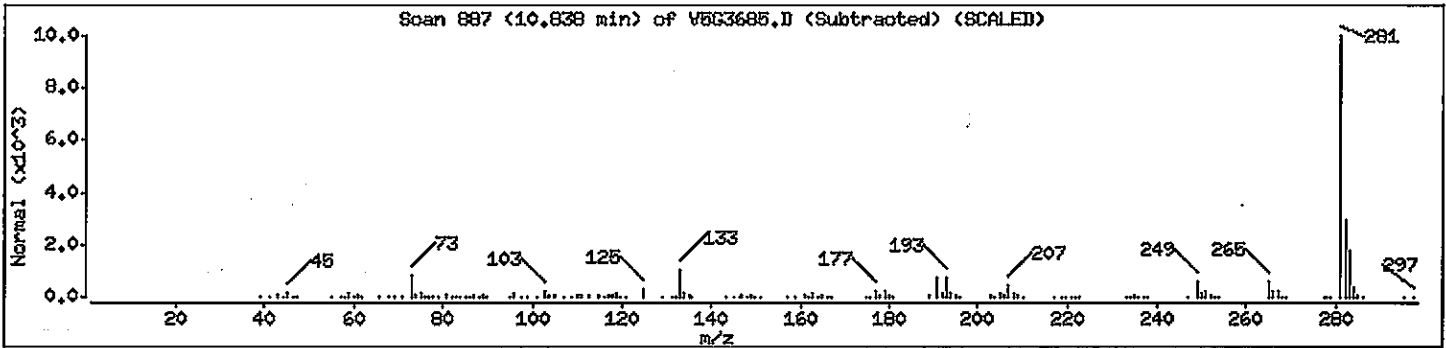
Sample Info: 5ml, D1463-02B,, 21.333

Operator: HZ SRC: LIMS

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS75K.L	41966	90	C8H24O4Si4	296



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD08-S-0

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-03B

Sample wt/vol: 7.5(g/mL) G Lab File ID: V5G3686

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 27 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

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

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD08-S-0

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-03B

Sample wt/vol: 7.5(g/mL) G Lab File ID: V5G3686

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 27 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	9	U
108-87-2	Methylcyclohexane	9	U
78-87-5	1,2-Dichloropropane	9	U
75-27-4	Bromodichloromethane	9	U
10061-01-5	cis-1,3-Dichloropropene	9	U
108-10-1	4-Methyl-2-Pentanone	9	U
108-88-3	Toluene	9	U
10061-02-6	trans-1,3-Dichloropropene	9	U
79-00-5	1,1,2-Trichloroethane	9	U
127-18-4	Tetrachloroethene	9	U
591-78-6	2-Hexanone	9	U
124-48-1	Dibromochloromethane	9	U
106-93-4	1,2-Dibromoethane	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (Total)	9	U
100-42-5	Styrene	9	U
75-25-2	Bromoform	9	U
98-82-8	Isopropylbenzene	9	U
79-34-5	1,1,2,2-Tetrachloroethane	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U
96-12-8	1,2-Dibromo-3-chloropropane	9	U
120-82-1	1,2,4-Trichlorobenzene	9	U



1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SD08-S-O

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-03B

Sample wt/vol: 7.5 (g/mL) G Lab File ID: V5G3686

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 27 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

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

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

Data File: \\AV05ADDD\ORGANICS\organi\voa\VB.1\061209.B\VB03686.D

Date: 09-DEC-2005 17:47

Client ID: SD08-0-0

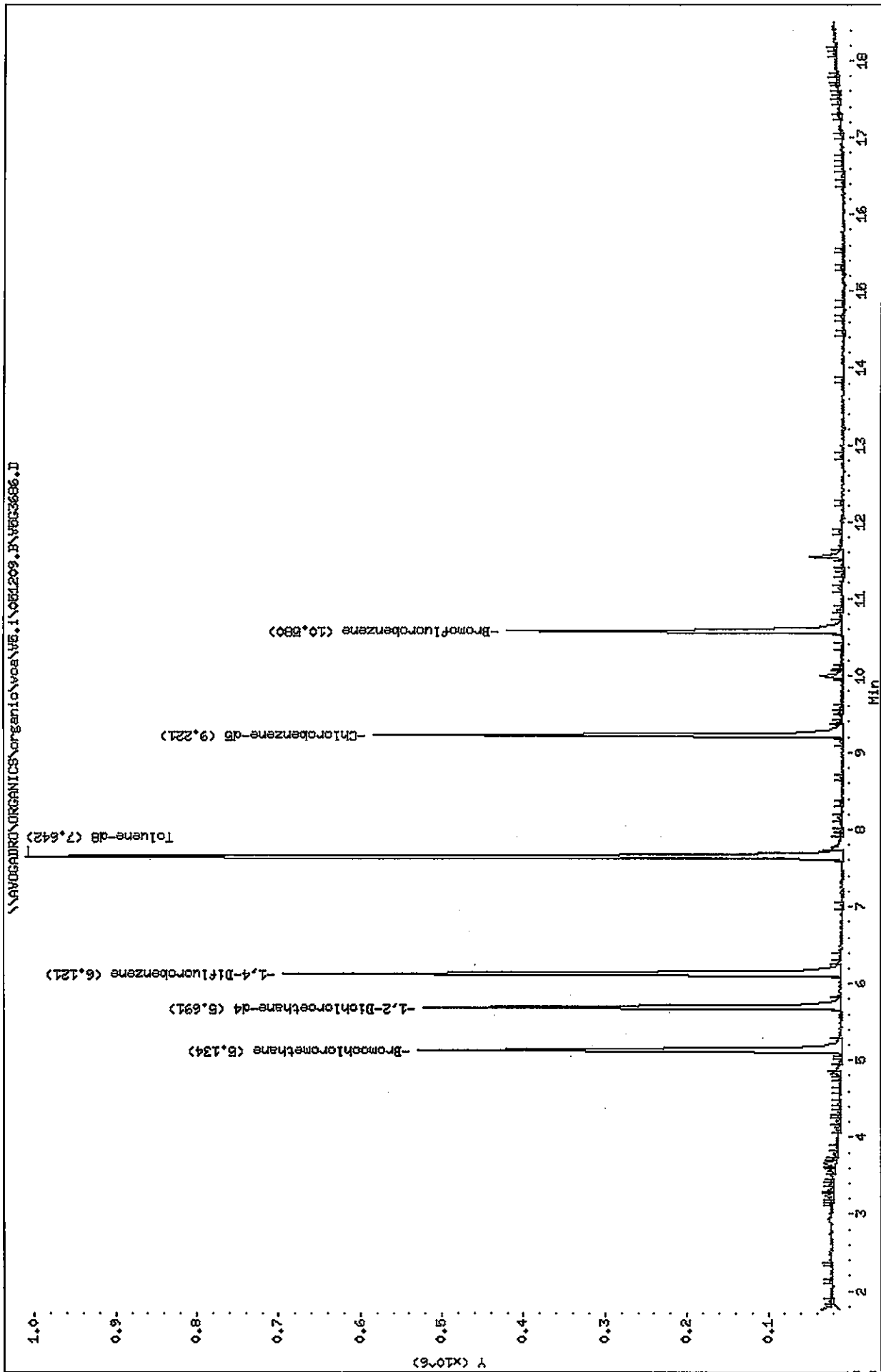
Sample Info: Sm1, M463-03B,, 21333

Column phase: HB-624

Instrument: v6.i

Operator: HZ SRC: LIMS

Column diameter: 0.25



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3686.D  
 Report Date: 14-Dec-2005 11:12

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3686.D  
 Lab Smp Id: D1453-03B Client Smp ID: SD08-S-O  
 Inj Date : 09-DEC-2005 17:47  
 Operator : HZ SRC: LIMS Inst ID: v5.i  
 Smp Info : 5ml,D1453-03B,,21333  
 Misc Info :  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\v5clp4h.m  
 Meth Date : 14-Dec-2005 11:05 mt1 Quant Type: ISTD  
 Cal Date : 09-DEC-2005 09:43 Cal File: V5G3671.D  
 Als bottle: 16  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET3

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	7.500	Weight of sample (g)
M	✓ 27.000	% Moisture (not decanted)

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN ( ug/L)	FINAL (ug/Kg)
* 18 Bromochloromethane	128	5.134	5.131	(1.000)	172038	50.0000	
\$ 23 1,2-Dichloroethane-d4	65	5.691	5.688	(1.109)	409145	53.5553	49
* 26 1,4-Difluorobenzene	114	6.121	6.129	(1.000)	691331	50.0000	
\$ 33 Toluene-d8	98	7.642	7.639	(0.829)	849529	66.6945	61
* 42 Chlorobenzene-d5	117	9.221	9.218	(1.000)	409431	50.0000	
\$ 50 Bromofluorobenzene	95	10.580	10.577	(1.147)	203829	40.2257	37

SB  
12/14/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3686.D  
Report Date: 14-Dec-2005 11:12

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3686.D  
Lab Smp Id: D1453-03B Client Smp ID: SD08-S-O  
Inj Date : 09-DEC-2005 17:47  
Operator : HZ SRC: LIMS Inst ID: v5.i  
Smp Info : 5ml,D1453-03B,,21333  
Misc Info :  
Comment :  
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\v5clp4h.m  
Meth Date : 14-Dec-2005 11:05 mtl Quant Type: ISTD  
Cal Date : 09-DEC-2005 09:43 Cal File: V5G3671.D  
Als bottle: 16  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: CLP4.sub  
Target Version: 4.03  
Processing Host: TARGET3

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD11-S-O

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-04B

Sample wt/vol: 5.5(g/mL) G Lab File ID: V5G3687

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 77 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
75-71-8	Dichlorodifluoromethane	40	U
74-87-3	Chloromethane	40	U
75-01-4	Vinyl Chloride	40	U
74-83-9	Bromomethane	40	U
75-00-3	Chloroethane	40	U
75-69-4	Trichlorofluoromethane	40	U
75-35-4	1,1-Dichloroethene	40	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	40	U
67-64-1	Acetone	40	U
75-15-0	Carbon Disulfide	40	U
79-20-9	Methyl Acetate	40	U
75-09-2	Methylene Chloride	19	JB
156-60-5	trans-1,2-Dichloroethene	40	U
1634-04-4	Methyl tert-Butyl Ether	40	U
75-34-3	1,1-Dichloroethane	40	U
156-59-2	cis-1,2-Dichloroethene	40	U
78-93-3	2-Butanone	40	U
67-66-3	Chloroform	40	U
71-55-6	1,1,1-Trichloroethane	40	U
110-82-7	Cyclohexane	40	U
56-23-5	Carbon Tetrachloride	40	U
71-43-2	Benzene	40	U
107-06-2	1,2-Dichloroethane	40	U

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD11-S-0

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-04B

Sample wt/vol: 5.5 (g/mL) G Lab File ID: V5G3687

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 77 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	40	U
108-87-2	Methylcyclohexane	40	U
78-87-5	1,2-Dichloropropane	40	U
75-27-4	Bromodichloromethane	40	U
10061-01-5	cis-1,3-Dichloropropene	40	U
108-10-1	4-Methyl-2-Pentanone	40	U
108-88-3	Toluene	40	U
10061-02-6	trans-1,3-Dichloropropene	40	U
79-00-5	1,1,2-Trichloroethane	40	U
127-18-4	Tetrachloroethene	40	U
591-78-6	2-Hexanone	40	U
124-48-1	Dibromochloromethane	40	U
106-93-4	1,2-Dibromoethane	40	U
108-90-7	Chlorobenzene	40	U
100-41-4	Ethylbenzene	40	U
1330-20-7	Xylene (Total)	40	U
100-42-5	Styrene	40	U
75-25-2	Bromoform	40	U
98-82-8	Isopropylbenzene	40	U
79-34-5	1,1,2,2-Tetrachloroethane	40	U
541-73-1	1,3-Dichlorobenzene	40	U
106-46-7	1,4-Dichlorobenzene	40	U
95-50-1	1,2-Dichlorobenzene	40	U
96-12-8	1,2-Dibromo-3-chloropropane	40	U
120-82-1	1,2,4-Trichlorobenzene	40	U

1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SD11-S-O

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-04B

Sample wt/vol: 5.5 (g/mL) G Lab File ID: V5G3687

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. 77 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 1066-40-6	SILANOL, TRIMETHYL-	4.83	25	NJ
2. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	10.84	110	NJ
3.				
4.				
5.				
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27.				
28.				
29.				
30.				

Data File: \\AV006ADRO\ORGANICS\organo\vee\051209.B\863667.D

Date : 09-DEC-2005 18:16

Client ID: SMI1-9-0

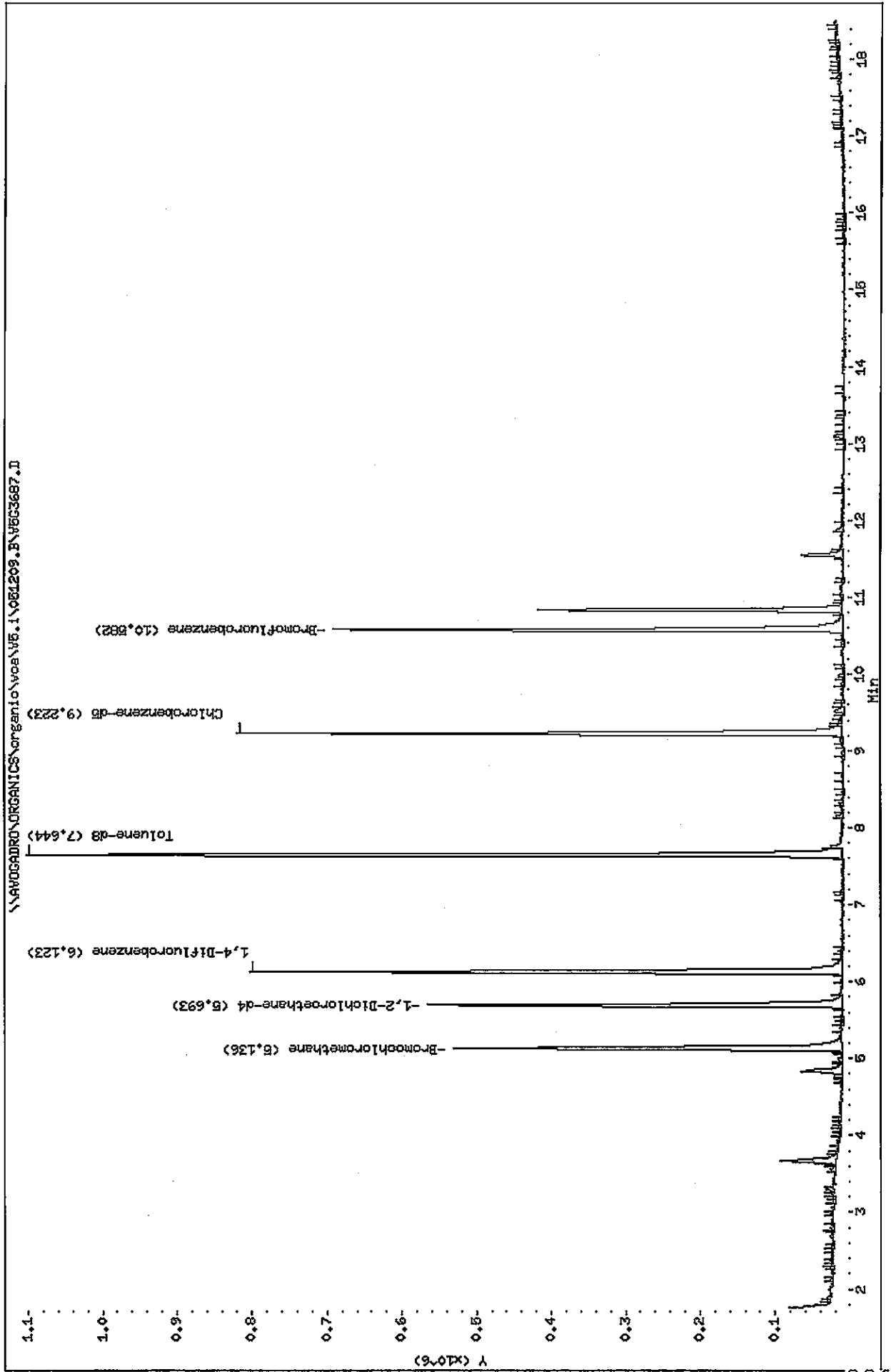
Sample Infol: 5ml,D1453-04B,,21333

Column phase: DB-624

Instrument: v5.i

Operator: HZ SRC: LIMS

Column diameter: 0.25





Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3687.D  
 Lab Smp Id: D1453-04B Client Smp ID: SD11-S-O  
 Inj Date : 09-DEC-2005 18:16  
 Operator : HZ SRC: LIMS Inst ID: v5.i  
 Smp Info : 5ml,D1453-04B,,21333  
 Misc Info :  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\v5clp4h.m  
 Meth Date : 14-Dec-2005 11:05 mt1 Quant Type: ISTD  
 Cal Date : 09-DEC-2005 09:43 Cal File: V5G3671.D  
 Als bottle: 17  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET3

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.500	Weight of sample (g)
M	✓ 77.000	% Moisture (not decanted)

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
12 Methylene Chloride	84	3.661	3.667	(0.713)	47668	4.68269	19 (a)
* 18 Bromochloromethane	128	5.136	5.131	(1.000)	184132	50.0000	
\$ 23 1,2-Dichloroethane-d4	65	5.693	5.688	(1.109)	443743	54.2690	210
* 26 1,4-Difluorobenzene	114	6.123	6.129	(1.000)	765895	50.0000	
\$ 33 Toluene-d8	98	7.644	7.639	(0.829)	883390	48.6311	190
* 42 Chlorobenzene-d5	117	9.223	9.218	(1.000)	583890	50.0000	
\$ 50 Bromofluorobenzene	95	10.582	10.577	(1.147)	343260	47.5018	190

QC Flag Legend

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

SB  
 12/14/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3687.D  
 Report Date: 14-Dec-2005 11:12

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3687.D  
 Lab Smp Id: D1453-04B Client Smp ID: SD11-S-O  
 Inj Date : 09-DEC-2005 18:16  
 Operator : HZ SRC: LIMS Inst ID: v5.i  
 Smp Info : 5ml,D1453-04B,,21333  
 Misc Info :  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\v5clp4h.m  
 Meth Date : 14-Dec-2005 11:05 mtl Quant Type: ISTD  
 Cal Date : 09-DEC-2005 09:43 Cal File: V5G3671.D  
 Als bottle: 17  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET3

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.500	Weight of sample (g)
M	77.000	% Moisture (not decanted)

ISTD	RT	AREA	AMOUNT
* 18 Bromochloromethane	5.136	1338242	50.000
* 42 Chlorobenzene-d5	9.223	1752124	50.000

RT	CONCENTRATIONS			QUAL	QUANT		
	AREA	ON-COL ( ug/L)	FINAL(ug/Kg)		LIBRARY	LIB ENTRY	CPND #
Silanol, trimethyl-					CAS #: 1066-40-6		
4.834	166890	6.23541930	25	86	NBS75K.L	62980	18
Cyclotetrasiloxane, octamethyl-					CAS #: 556-67-2		
10.838	948847	27.0770505	110	86	NBS75K.L	41966	42

Data File: \\AVOCADRO\ORGANICS\organic\voa\051209.B\563687.D

Date : 09-DEC-2005 19:16

Client ID: SD11-S-0

Instrument: v5.i

Sample Info: 5ml,D1453-04B,,21333

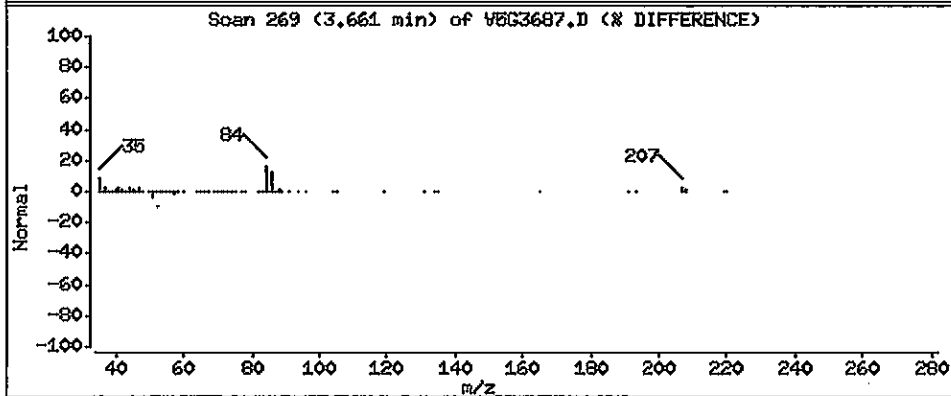
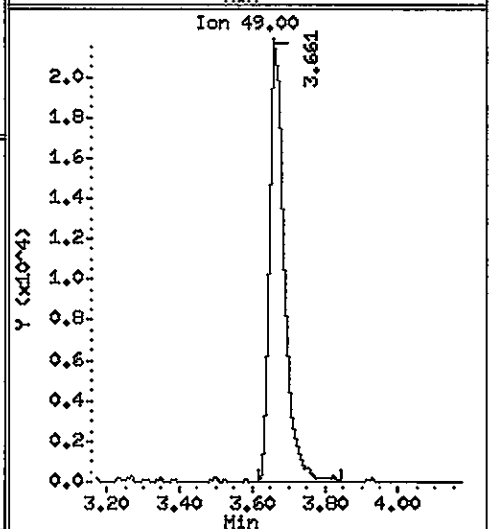
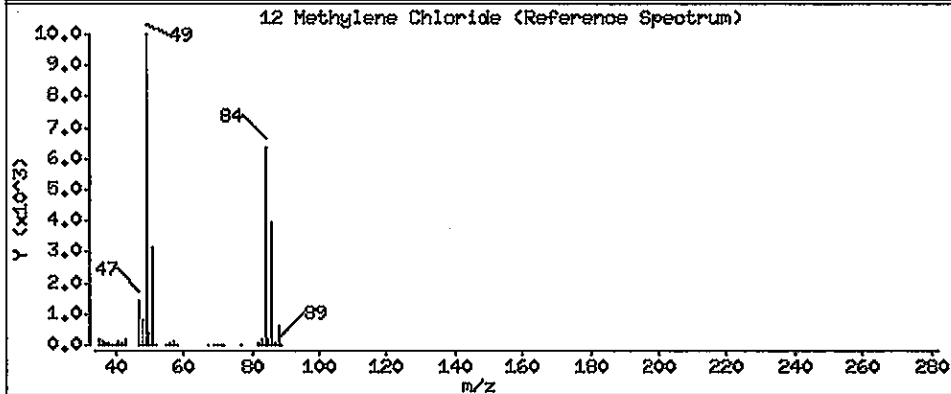
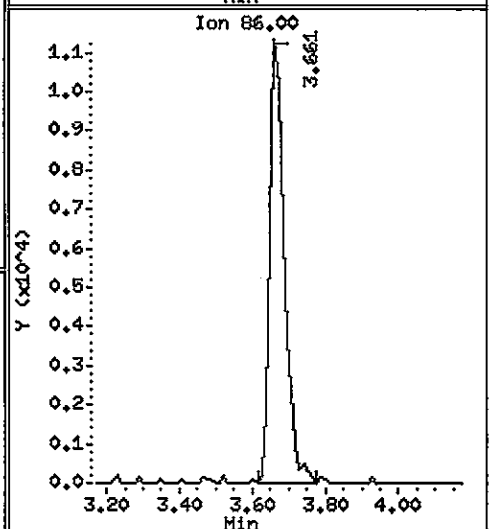
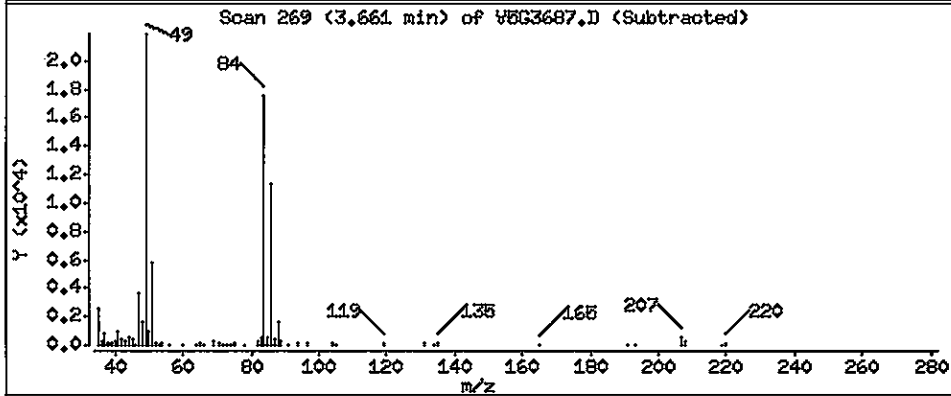
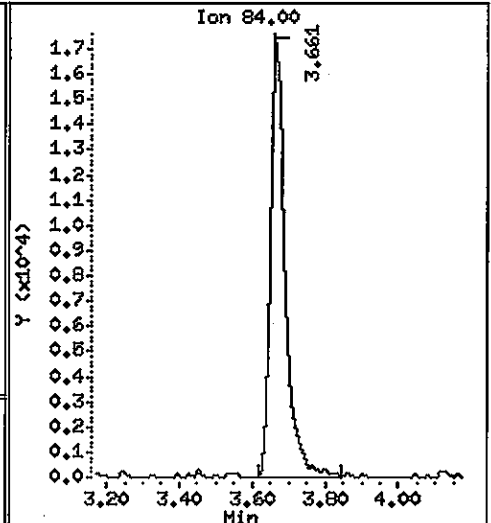
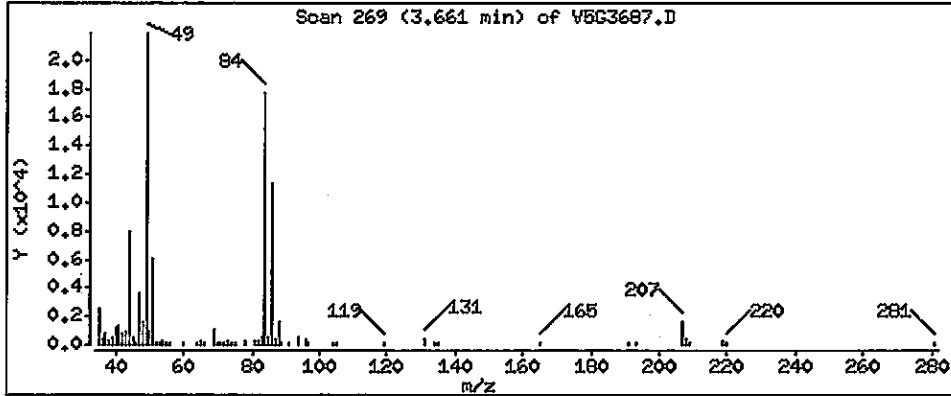
Operator: HZ SRC: LIMS

Column phase: DB-624

Column diameter: 0.25

12 Methylene Chloride

Concentration: 19 ug/Kg



Data File: \\AVOCADRO\ORGANICS\organico\voa\v6.1\061209.B\563687.D

Date : 09-DEC-2005 18:16

Client ID: SD11-S-0

Instrument: v6.1

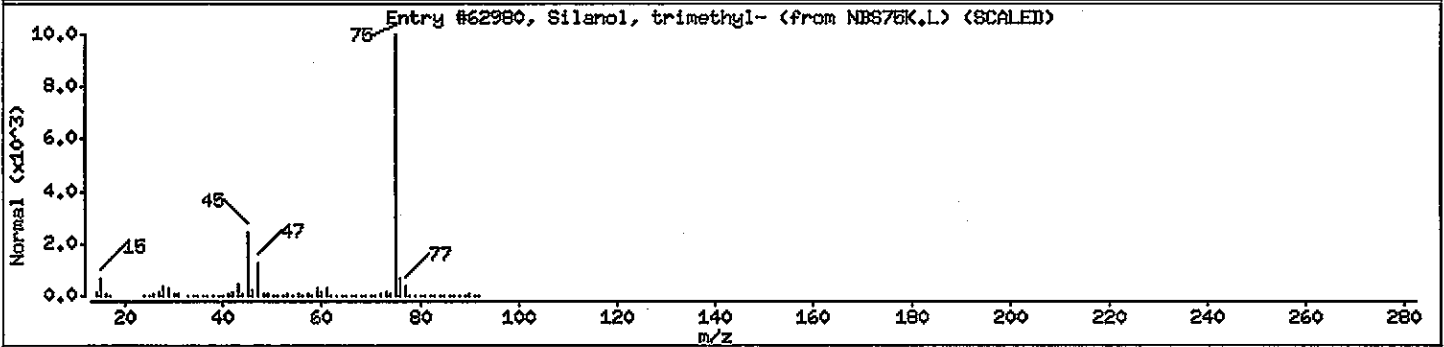
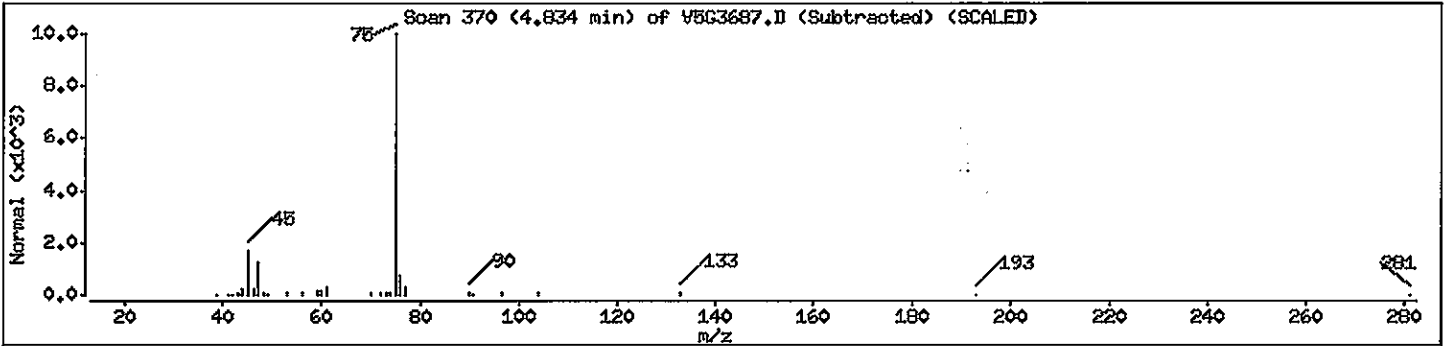
Sample Info: 5ml, D1453-04B,, 21333

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	NBS75K.L	62980	86	C3H10OSi	90



Data File: \\AVOCADRO\ORGANICS\organio\voa\v6.1\061209.B\563687.D

Date : 09-DEC-2005 18:16

Client ID: SD11-S-0

Instrument: v6.1

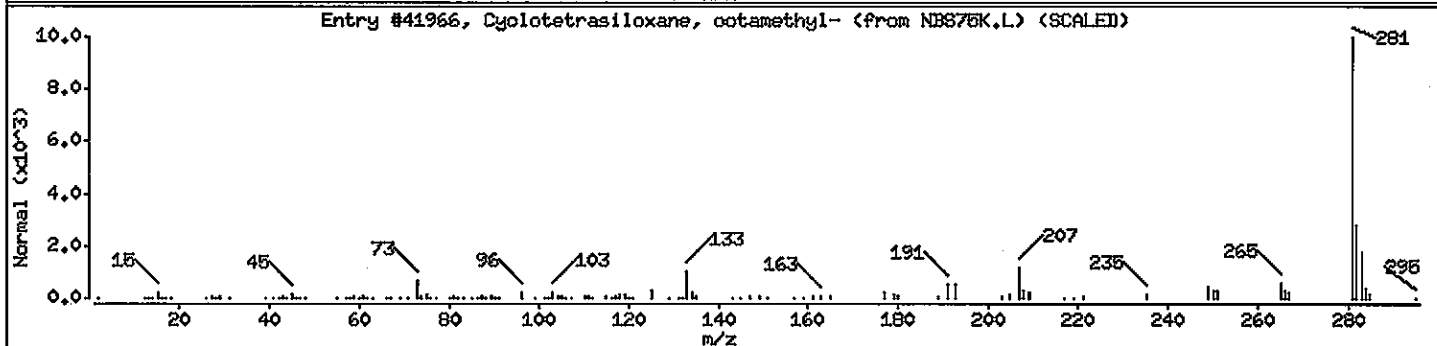
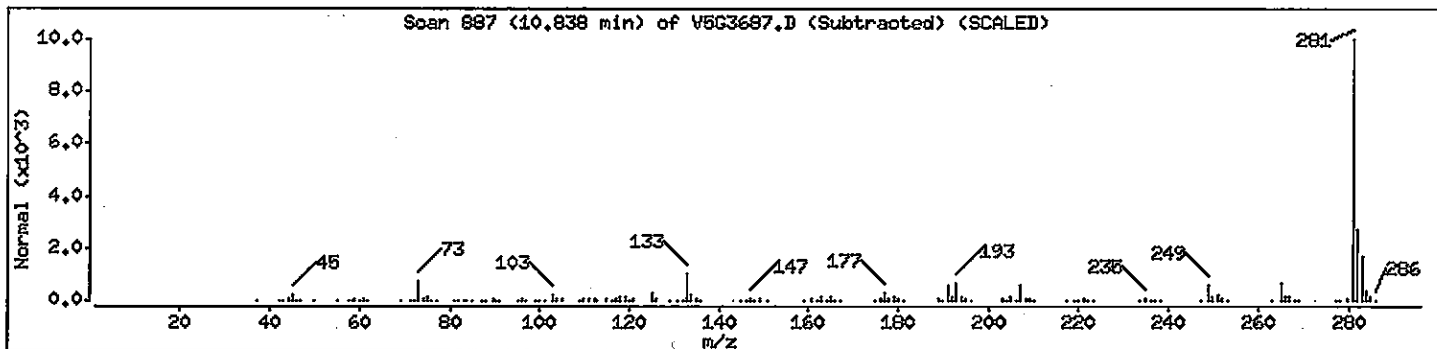
Sample Info: 5ml, M1453-04B,, 21333

Operator: HZ SRC: LIMS

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS75K.L	41966	86	C8H24O4Si4	296



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD12-S-O

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-07B

Sample wt/vol: 8.1(g/mL) G Lab File ID: V5G3682

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 34 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

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

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD12-S-O

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-07B

Sample wt/vol: 8.1(g/mL) G Lab File ID: V5G3682

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 34 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	9	U
108-87-2	Methylcyclohexane	9	U
78-87-5	1,2-Dichloropropane	9	U
75-27-4	Bromodichloromethane	9	U
10061-01-5	cis-1,3-Dichloropropene	9	U
108-10-1	4-Methyl-2-Pentanone	9	U
108-88-3	Toluene	9	U
10061-02-6	trans-1,3-Dichloropropene	9	U
79-00-5	1,1,2-Trichloroethane	9	U
127-18-4	Tetrachloroethene	9	U
591-78-6	2-Hexanone	9	U
124-48-1	Dibromochloromethane	9	U
106-93-4	1,2-Dibromoethane	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
1330-20-7	Xylene (Total)	9	U
100-42-5	Styrene	9	U
75-25-2	Bromoform	9	U
98-82-8	Isopropylbenzene	9	U
79-34-5	1,1,2,2-Tetrachloroethane	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U
96-12-8	1,2-Dibromo-3-chloropropane	9	U
120-82-1	1,2,4-Trichlorobenzene	9	U

1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SD12-S-0

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-07B

Sample wt/vol: 8.1 (g/mL) G Lab File ID: V5G3682

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 34 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.83	9	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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28.				
29.				
30.				



Data File: \\AVOCADRO\ORGANICS\organico\voe\VB.1\051209.B\VEG3682.D

Date: 09-JEC-2005 15:51

Client ID: SM12-8-0

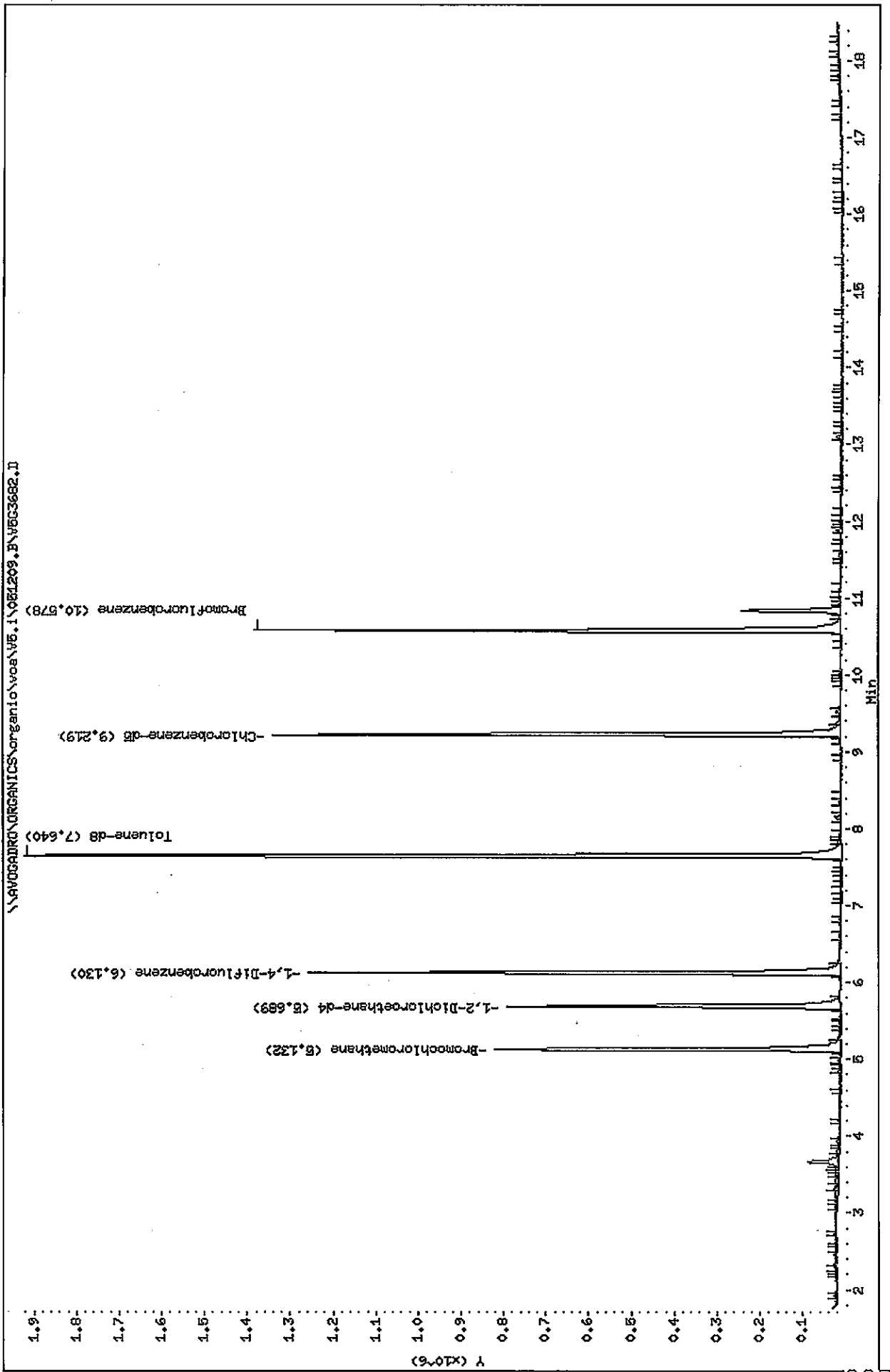
Sample Info: 5ml, JM453-07B,, 21333

Column phase: IIB-624

Instrument: v5.i

Operator: HZ SRC: LIMS

Column diameter: 0.25



Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3682.D  
 Lab Smp Id: D1453-07B Client Smp ID: SD12-S-O  
 Inj Date : 09-DEC-2005 15:51  
 Operator : HZ SRC: LIMS Inst ID: v5.i  
 Smp Info : 5ml,D1453-07B,,21333  
 Misc Info :  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\v5clp4h.m  
 Meth Date : 14-Dec-2005 11:05 mtl Quant Type: ISTD  
 Cal Date : 09-DEC-2005 09:43 Cal File: V5G3671.D  
 Als bottle: 12  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET3

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	8.100	Weight of sample (g)
M	✓34.000	% Moisture (not decanted)

Compounds	QUANT SIG			CONCENTRATIONS			
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL (ug/Kg)
12 Methylene Chloride	84	3.668	3.667	(0.715)	43768	3.03053	3 (a)
* 18 Bromochloromethane	128	5.132	5.131	(1.000)	261238	50.0000	
\$ 23 1,2-Dichloroethane-d4	65	5.689	5.688	(1.109)	611013	52.6701	49
* 26 1,4-Difluorobenzene	114	6.130	6.129	(1.000)	1228395	50.0000	
\$ 33 Toluene-d8	98	7.640	7.639	(0.829)	1643141	54.3578	51
* 42 Chlorobenzene-d5	117	9.220	9.218	(1.000)	971640	50.0000	
\$ 50 Bromofluorobenzene	95	10.578	10.577	(1.147)	616051	51.2306	48

QC Flag Legend

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

(SB)  
 12/14/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3682.D  
 Report Date: 14-Dec-2005 11:12

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3682.D  
 Lab Smp Id: D1453-07B Client Smp ID: SD12-S-0  
 Inj Date : 09-DEC-2005 15:51  
 Operator : HZ SRC: LIMS Inst ID: v5.i  
 Smp Info : 5ml,D1453-07B,,21333  
 Misc Info :  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\v5clp4h.m  
 Meth Date : 14-Dec-2005 11:05 mtl Quant Type: ISTD  
 Cal Date : 09-DEC-2005 09:43 Cal File: V5G3671.D  
 Als bottle: 12  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET3

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	8.100	Weight of sample (g)
M	34.000	% Moisture (not decanted)

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 42 Chlorobenzene-d5	9.219	2949864	50.000

RT	CONCENTRATIONS			QUAL	QUANT		
	AREA	ON-COL( ug/L)	FINAL(ug/Kg)		LIBRARY	LIB ENTRY	CPND #
----	----	-----	-----	----	-----	-----	-----
Unknown							
10.834	549223	9.30929358	9	0		0	42

Data File: \\AVOCADRO\ORGANICS\organic\voa\05.1\081209.B\563682.D

Date : 09-DEC-2005 15:51

Client ID: SD12-S-0

Instrument: v5.1

Sample Info: 5ml,D1453-07B,,21333

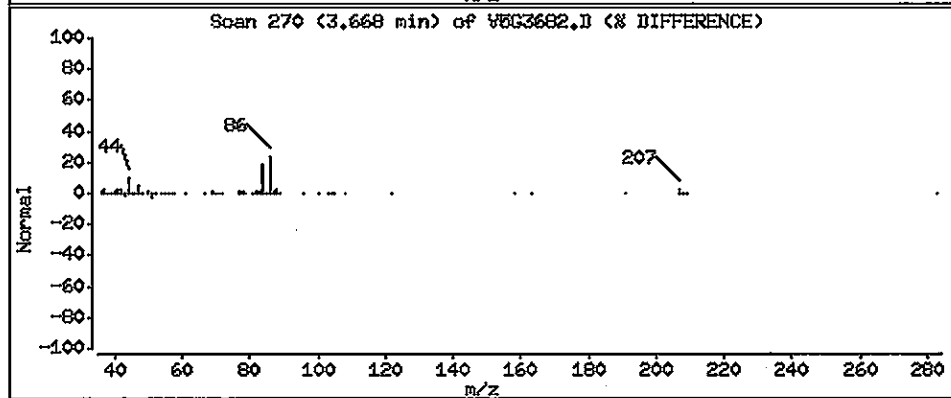
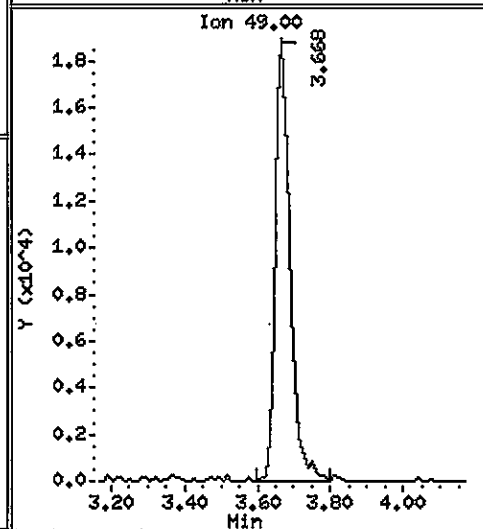
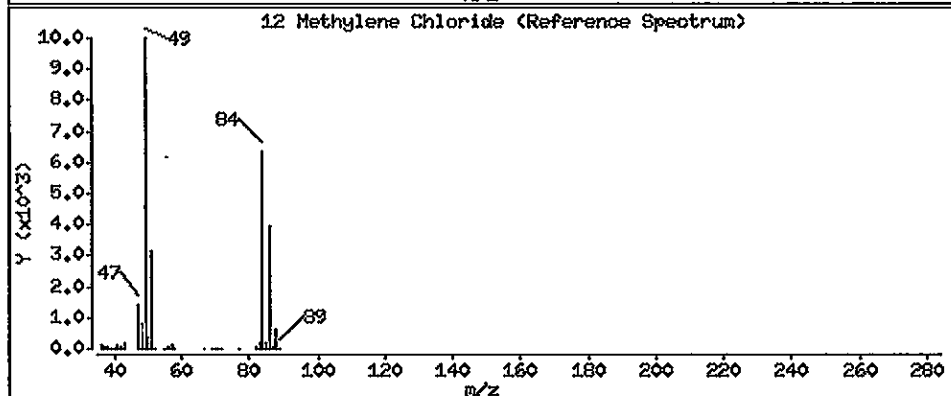
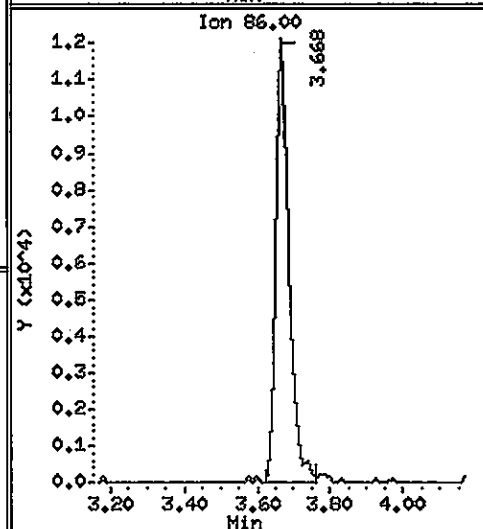
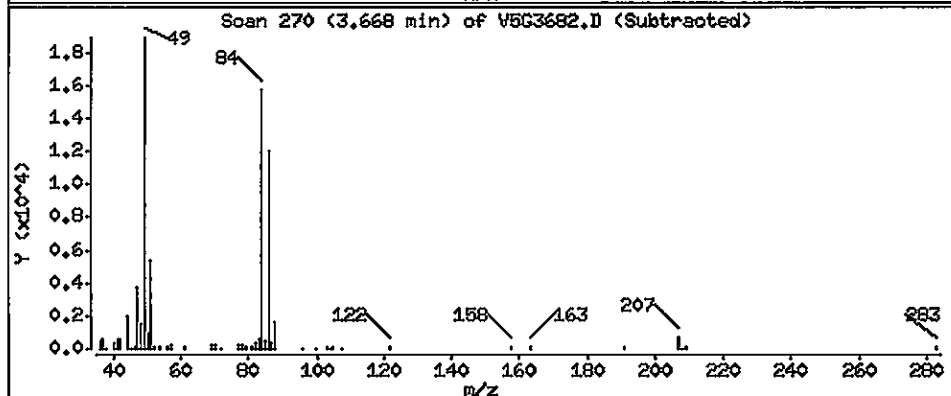
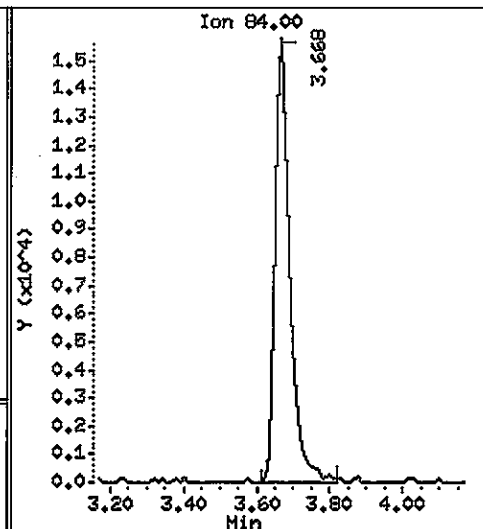
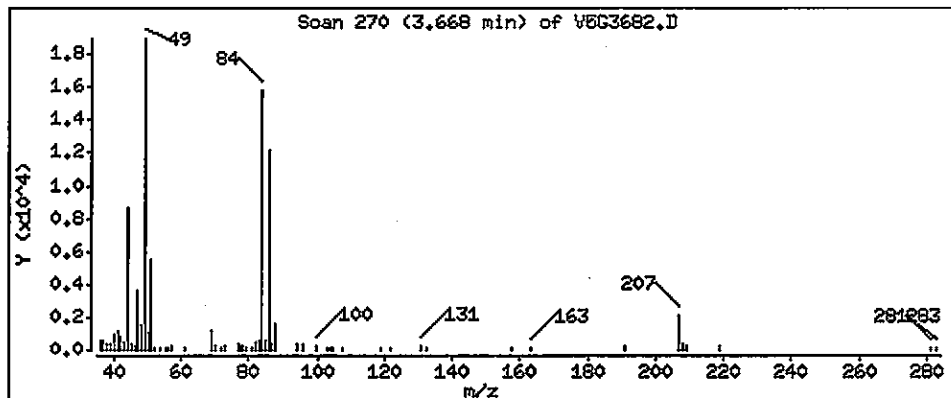
Operator: HZ SRC: LIMS

Column phase: BB-624

Column diameter: 0.25

12 Methylene Chloride

Concentration: 3 ug/Kg



Data File: \\AVOGADRO\ORGANICS\organic\voa\5.1\051209.8\563682.D

Date : 09-DEC-2005 18:51

Client ID: SD12-S-0

Instrument: v5.i

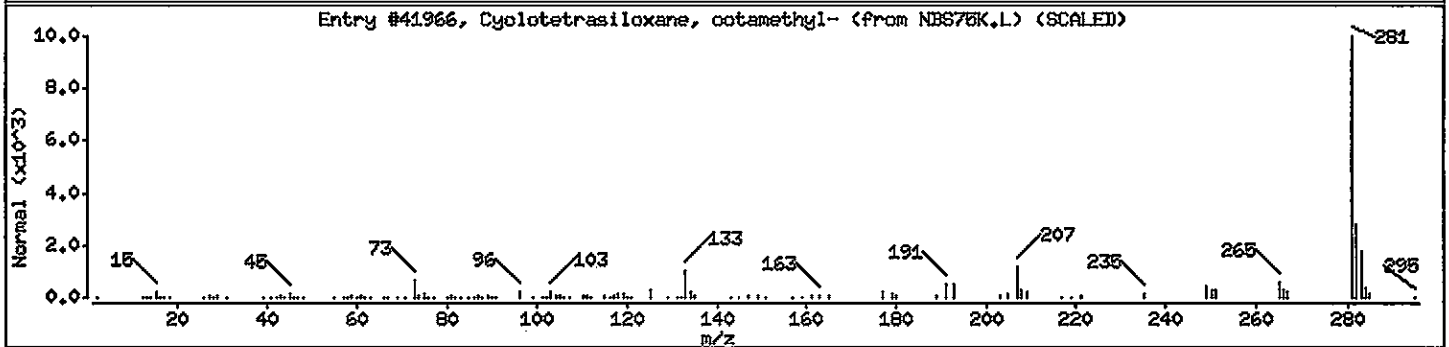
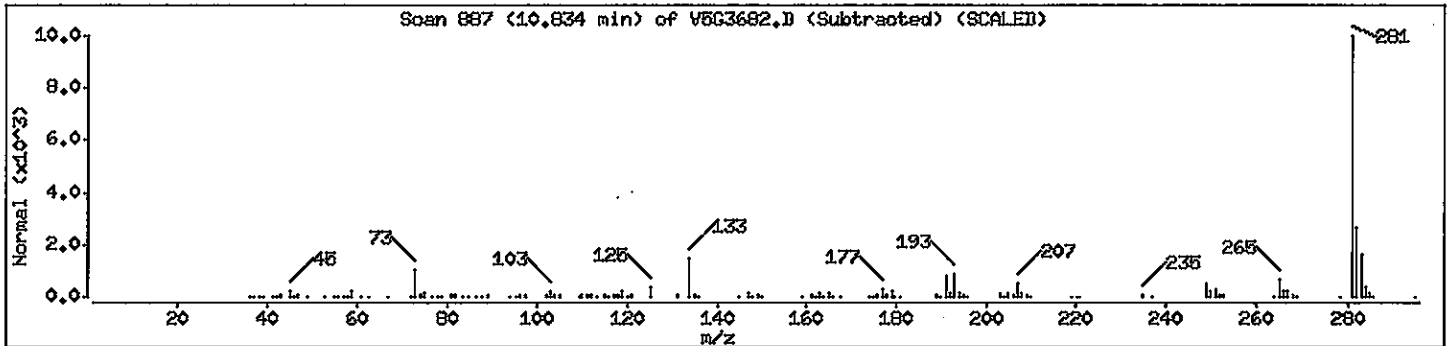
Sample Info: 5ml,D1453-07B,,21333

Operator: HZ SRC: LIMS

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS75K.L	41966	80	C8H24O4Si4	296



1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD13-S-0

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-08B

Sample wt/vol: 6.2(g/mL) G Lab File ID: V5G3683

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 61 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
75-71-8	Dichlorodifluoromethane	21	U
74-87-3	Chloromethane	21	U
75-01-4	Vinyl Chloride	21	U
74-83-9	Bromomethane	21	U
75-00-3	Chloroethane	21	U
75-69-4	Trichlorofluoromethane	21	U
75-35-4	1,1-Dichloroethene	21	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21	U
67-64-1	Acetone	21	U
75-15-0	Carbon Disulfide	21	U
79-20-9	Methyl Acetate	21	U
75-09-2	Methylene Chloride	21	U
156-60-5	trans-1,2-Dichloroethene	21	U
1634-04-4	Methyl tert-Butyl Ether	21	U
75-34-3	1,1-Dichloroethane	21	U
156-59-2	cis-1,2-Dichloroethene	21	U
78-93-3	2-Butanone	21	U
67-66-3	Chloroform	21	U
71-55-6	1,1,1-Trichloroethane	21	U
110-82-7	Cyclohexane	21	U
56-23-5	Carbon Tetrachloride	21	U
71-43-2	Benzene	21	U
107-06-2	1,2-Dichloroethane	21	U

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD13-S-O

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-08B

Sample wt/vol: 6.2 (g/mL) G Lab File ID: V5G3683

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 61 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	21	U
108-87-2	Methylcyclohexane	21	U
78-87-5	1,2-Dichloropropane	21	U
75-27-4	Bromodichloromethane	21	U
10061-01-5	cis-1,3-Dichloropropene	21	U
108-10-1	4-Methyl-2-Pentanone	21	U
108-88-3	Toluene	21	U
10061-02-6	trans-1,3-Dichloropropene	21	U
79-00-5	1,1,2-Trichloroethane	21	U
127-18-4	Tetrachloroethene	21	U
591-78-6	2-Hexanone	21	U
124-48-1	Dibromochloromethane	21	U
106-93-4	1,2-Dibromoethane	21	U
108-90-7	Chlorobenzene	21	U
100-41-4	Ethylbenzene	21	U
1330-20-7	Xylene (Total)	21	U
100-42-5	Styrene	21	U
75-25-2	Bromoform	21	U
98-82-8	Isopropylbenzene	21	U
79-34-5	1,1,2,2-Tetrachloroethane	21	U
541-73-1	1,3-Dichlorobenzene	21	U
106-46-7	1,4-Dichlorobenzene	21	U
95-50-1	1,2-Dichlorobenzene	21	U
96-12-8	1,2-Dibromo-3-chloropropane	21	U
120-82-1	1,2,4-Trichlorobenzene	21	U

1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SD13-S-0

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-08B

Sample wt/vol: 6.2 (g/mL) G Lab File ID: V5G3683

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 61 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.84	12	J
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: \\AV06ADRO\ORGANICS\organo\vos\1081209.B\VG3683.D

Date: 09-DEC-2006 16:20

Client ID: S013-S-0

Sample Info: 5ml.D1453-08B,,21333

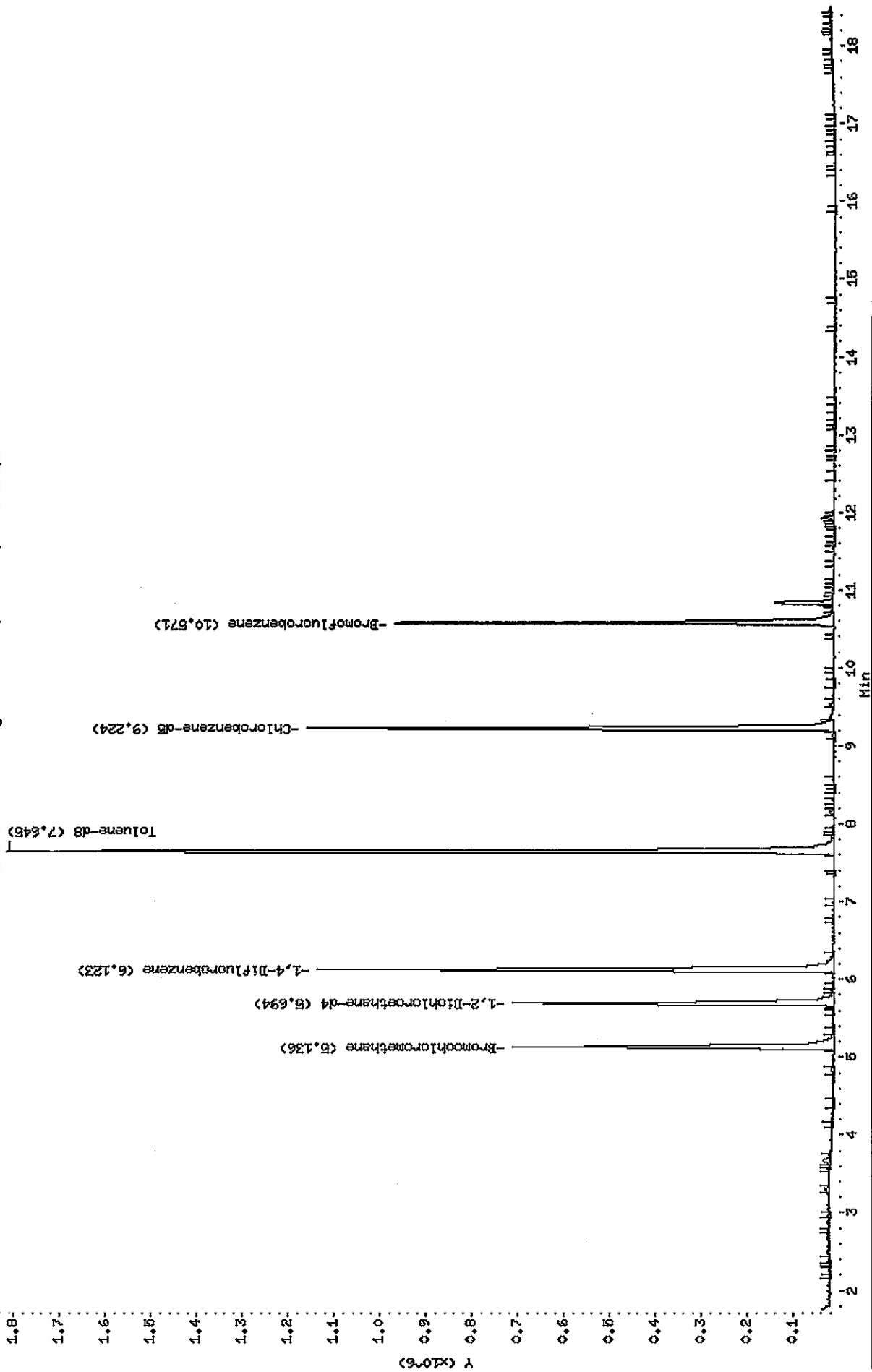
Column phase: DB-624

Instrument: v6.i

Operator: HZ SRC: LIMS

Column diameter: 0.25

\\AV06ADRO\ORGANICS\organo\vos\1081209.B\VG3683.D



Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3683.D  
 Report Date: 14-Dec-2005 11:12

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3683.D  
 Lab Smp Id: D1453-08B Client Smp ID: SD13-S-O  
 Inj Date : 09-DEC-2005 16:20  
 Operator : HZ SRC: LIMS Inst ID: v5.i  
 Smp Info : 5ml,D1453-08B,,21333  
 Misc Info :  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\v5clp4h.m  
 Meth Date : 14-Dec-2005 11:05 mtl Quant Type: ISTD  
 Cal Date : 09-DEC-2005 09:43 Cal File: V5G3671.D  
 Als bottle: 13  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET3

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	6.200	Weight of sample (g)
M	✓ 61.000	% Moisture (not decanted)

Compounds	QUANT SIG				CONCENTRATIONS		
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/L)	FINAL (ug/Kg)
* 18 Bromochloromethane	128	5.136	5.131	(1.000)	230894	50.0000	
\$ 23 1,2-Dichloroethane-d4	65	5.694	5.688	(1.109)	550090	53.6502	110
* 26 1,4-Difluorobenzene	114	6.123	6.129	(1.000)	1109319	50.0000	
\$ 33 Toluene-d8	98	7.645	7.639	(0.829)	1453537	57.4951	120
* 42 Chlorobenzene-d5	117	9.224	9.218	(1.000)	812620	50.0000	
\$ 50 Bromofluorobenzene	95	10.571	10.577	(1.146)	468684	46.6027	96

SB  
12/14/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3683.D  
 Report Date: 14-Dec-2005 11:12

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3683.D  
 Lab Smp Id: D1453-08B Client Smp ID: SD13-S-O  
 Inj Date : 09-DEC-2005 16:20  
 Operator : HZ SRC: LIMS Inst ID: v5.i  
 Smp Info : 5ml,D1453-08B,,21333  
 Misc Info :  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\v5clp4h.m  
 Meth Date : 14-Dec-2005 11:05 mt1 Quant Type: ISTD  
 Cal Date : 09-DEC-2005 09:43 Cal File: V5G3671.D  
 Als bottle: 13  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET3

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	6.200	Weight of sample (g)
M	61.000	% Moisture (not decanted)

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 42 Chlorobenzene-d5	9.224	2442309	50.000

RT	CONCENTRATIONS			QUAL	QUANT		
	AREA	ON-COL ( ug/L)	FINAL (ug/Kg)		LIBRARY	LIB ENTRY	CPND #
====	====	=====	=====	====	=====	=====	=====
Unknown				CAS #:			
10.838	294612	6.03142354	12	0		0	42

Data File: \\AVOGADRO\ORGANICS\organic\vos\v5.i\051209.B\W53683.D

Date : 09-DEC-2005 16:20

Client ID: SML3-S-0

Instrument: v5.i

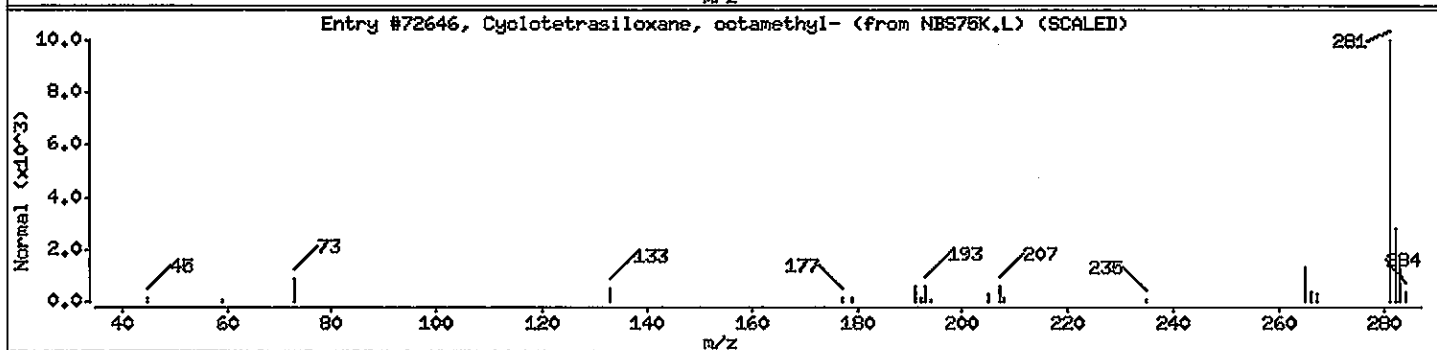
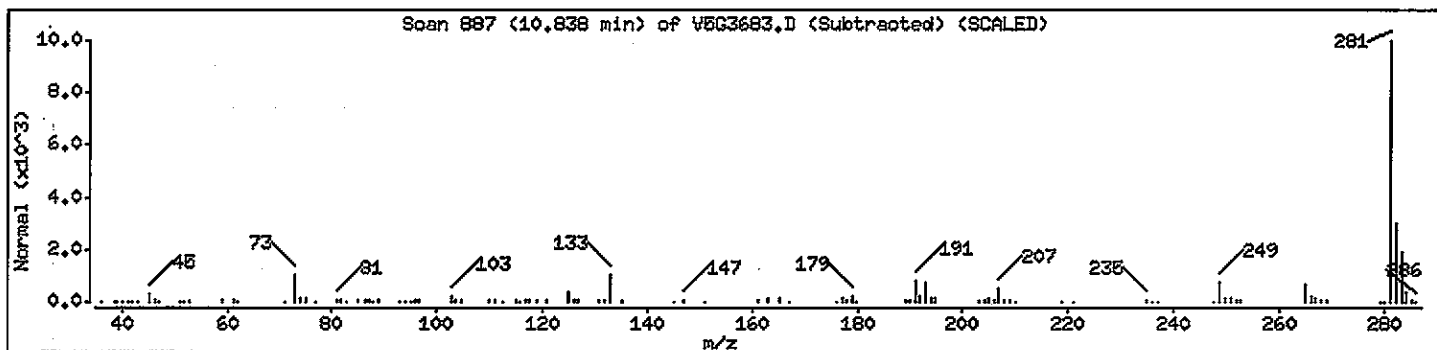
Sample Info: Em1, D1453-08B,, 21333

Operator: HZ SRC: LIMS

Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclotetrasiloxane, octamethyl-	556-67-2	NBS75K.L	72646	80	CSH24O4Si4	296



6A  
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453  
 Instrument ID: V5 Calibration Date(s): 12/08/05 12/08/05  
 Heated Purge: (Y/N) Y Calibration Times: 1541 1842  
 GC Column: DB-624 ID: 0.25 (mm)

LAB FILE ID:	RRF10 =	V5G3667	RRF20 =	V5G3665			
RRF50 =	V5G3661	RRF100=	V5G3664	RRF200=	V5G3663		
COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	RRF	% RSD
Dichlorodifluoromethane	2.528	2.320	3.053	2.408	2.484	2.559	11.2
Chloromethane	1.660	1.660	1.856	1.711	1.752	1.728	4.7
Vinyl Chloride *	1.556	1.571	1.934	1.577	1.547	1.637	10.2*
Bromomethane *	1.168	1.264	1.178	1.225	1.110	1.189	4.9*
Chloroethane	0.857	0.784	0.838	0.742	0.666	0.777	9.9
Trichlorofluoromethane	2.244	2.279	2.835	2.385	2.262	2.401	10.4
1,1-Dichloroethene *	1.065	1.058	1.266	1.077	1.017	1.097	8.9*
1,1,2-Trichloro- 1,2,2-trifluoroethane	1.371	1.259	1.482	1.359	1.300	1.354	6.2
Acetone	0.904	0.568	1.252	0.576	0.573	0.775	39.2
Carbon Disulfide	3.720	3.570	4.255	3.944	3.736	3.845	6.9
Methyl Acetate	1.514	1.373	1.267	1.446	1.477	1.415	6.9
Methylene Chloride	1.506	2.575	1.391	2.736	2.694	2.180	30.8
trans-1,2-Dichloroethene	2.358	2.358	2.634	2.277	2.294	2.384	6.0
Methyl tert-Butyl Ether	5.839	6.044	5.450	6.493	6.628	6.091	7.9
1,1-Dichloroethane *	3.896	4.050	4.459	4.063	4.116	4.117	5.1*
cis-1,2-Dichloroethene	2.303	2.489	2.460	2.518	2.517	2.457	3.7
2-Butanone	1.498	1.250	2.279	1.337	1.447	1.562	26.4
Chloroform *	4.425	4.306	4.212	4.149	4.093	4.237	3.1*
1,1,1-Trichloroethane *	0.550	0.549	0.595	0.563	0.577	0.567	3.4*
Cyclohexane	0.651	0.652	0.726	0.675	0.720	0.685	5.3
Carbon Tetrachloride *	0.432	0.436	0.458	0.450	0.464	0.448	3.1*
Benzene *	1.642	1.745	1.680	1.680	1.683	1.686	2.2*
1,2-Dichloroethane *	2.777	2.832	2.580	2.827	2.838	2.771	4.0*
Trichloroethene *	0.402	0.400	0.415	0.416	0.423	0.411	2.4*
Methylcyclohexane	0.625	0.667	0.654	0.669	0.696	0.662	3.9

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

6B  
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453  
 Instrument ID: V5 Calibration Date(s): 12/08/05 12/08/05  
 Heated Purge: (Y/N) Y Calibration Times: 1541 1842  
 GC Column: DB-624 ID: 0.25 (mm)

LAB FILE ID:	RRF10 =	V5G3667	RRF20 =	V5G3665			
RRF50 =	V5G3661	RRF100=	V5G3664	RRF200=	V5G3663		
COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	RRF	% RSD
1,2-Dichloropropane	0.434	0.439	0.398	0.442	0.450	0.433	4.7
Bromodichloromethane *	0.523	0.551	0.452	0.565	0.591	0.536	9.9*
cis-1,3-Dichloropropene *	0.559	0.599	0.508	0.658	0.695	0.604	12.4*
4-Methyl-2-Pentanone	0.516	0.495	0.570	0.549	0.598	0.546	7.5
Toluene *	1.842	1.858	1.915	1.914	1.875	1.881	1.7*
trans-1,3-Dichloropropene *	0.473	0.533	0.431	0.586	0.615	0.528	14.4*
1,1,2-Trichloroethane *	0.364	0.382	0.305	0.393	0.411	0.371	10.9*
Tetrachloroethene *	0.390	0.382	0.402	0.390	0.396	0.392	1.9*
2-Hexanone	0.269	0.318	0.427	0.383	0.441	0.368	19.9
Dibromochloromethane *	0.341	0.391	0.300	0.425	0.449	0.381	15.9*
1,2-Dibromoethane	0.470	0.495	0.414	0.509	0.537	0.485	9.6
Chlorobenzene *	1.135	1.158	1.076	1.177	1.177	1.145	3.7*
Ethylbenzene *	0.551	0.566	0.571	0.601	0.612	0.580	4.3*
Xylene (Total) *	0.649	0.684	0.667	0.728	0.706	0.687	4.5*
Styrene *	0.694	0.763	0.703	0.856	0.834	0.770	9.6*
Bromoform *	0.269	0.275	0.213	0.322	0.358	0.287	19.3*
Isopropylbenzene	1.565	1.660	1.657	1.778	1.745	1.681	5.0
1,1,2,2-Tetrachloroethane *	0.669	0.662	0.607	0.709	0.729	0.675	7.0*
1,3-Dichlorobenzene *	0.817	0.852	0.739	0.939	0.913	0.852	9.3*
1,4-Dichlorobenzene *	0.822	0.849	0.739	0.969	0.951	0.866	11.0*
1,2-Dichlorobenzene *	0.766	0.820	0.658	0.920	0.895	0.812	13.0*
1,2-Dibromo-3-chloropropane	0.081	0.083	0.093	0.093	0.107	0.091	11.3
1,2,4-Trichlorobenzene *	0.299	0.358	0.268	0.459	0.523	0.381	28.3*
Toluene-d8	1.527	1.552	1.546	1.527	1.434	1.517	3.2
Bromofluorobenzene *	0.577	0.589	0.505	0.629	0.610	0.582	8.2*
1,2-Dichloroethane-d4	2.378	2.415	2.207	2.471	2.202	2.335	5.3

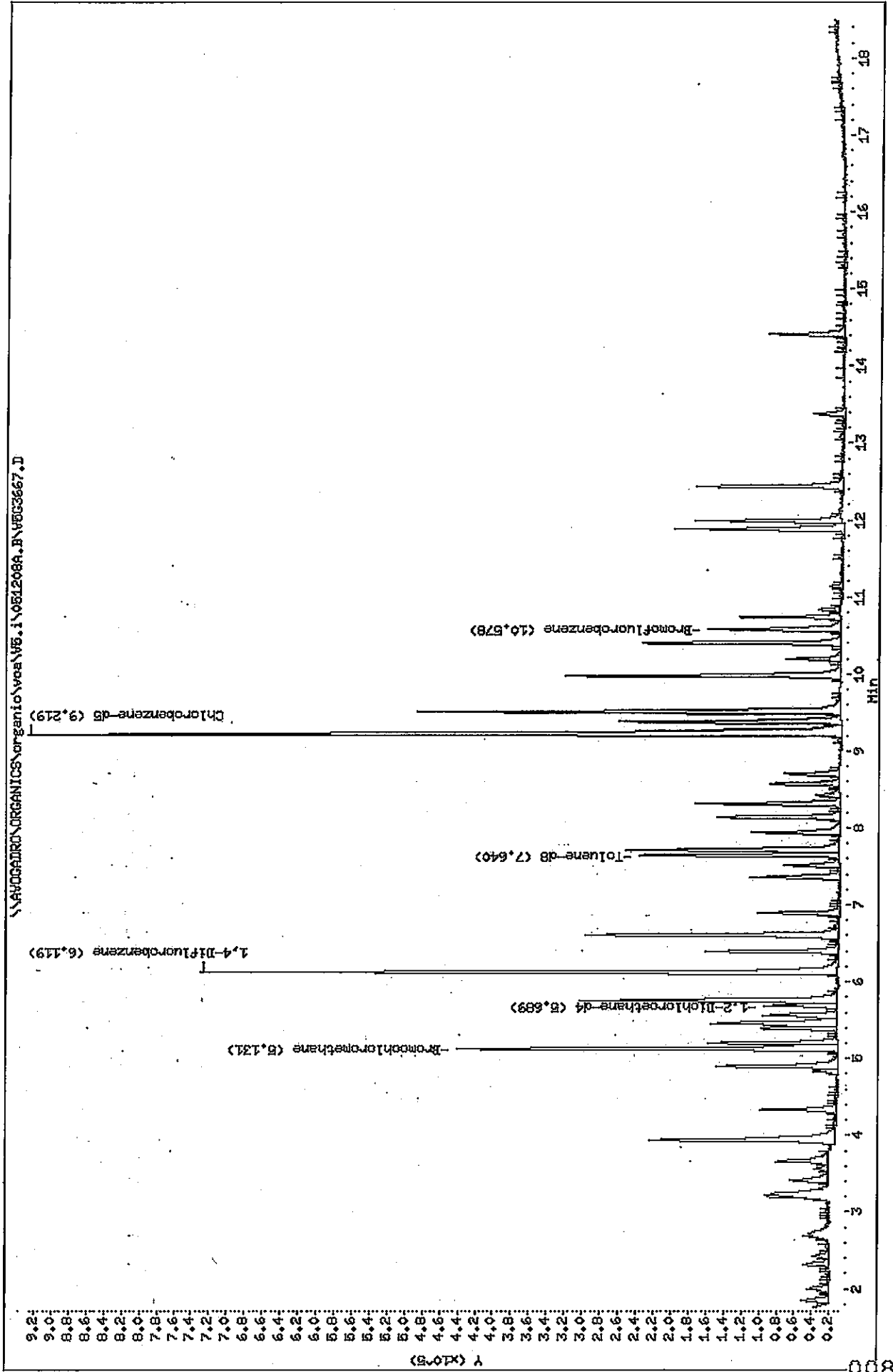
\* Compounds with required minimum RRF and maximum %RSD values.  
 All other compounds must meet a minimum RRF of 0.010.

Data File: \\AVOCARD\ORGANICS\organo\voa\05.1\061208A.B\FEG3667.D  
Date: 08-DEC-2008 18:42  
Client ID: VST0106J  
Sample Info: Em1.VST0106J.VST0106J

Column phase: DB-624

Operator: HZ  
Column diameter: 0.25

**COPY**  
Original Documents Are Included in CSF  
Signed: \_\_\_\_\_ Date: \_\_\_\_\_



Data File: V5G3667.D  
 Report Date: 14-Dec-2005 11:23

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051208A.B\V5G3667.D  
 Lab Smp Id: VSTD0105J Client Smp ID: VSTD0105J  
 Inj Date : 08-DEC-2005 18:42  
 Operator : HZ Inst ID: v5.i  
 Smp Info : 5ml,VSTD0105J,VSTD0105J  
 Misc Info : ,1,1  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051208A.B\v5clp4h.m  
 Meth Date : 09-Dec-2005 09:17 mt1 Quant Type: ISTD  
 Cal Date : 08-DEC-2005 15:41 Cal File: V5G3661.D  
 Als bottle: 7 Calibration Sample, Level: 1  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85	1.729	1.720	(0.337)	70695	10.0000	10
2 Chloromethane	50	1.845	1.859	(0.360)	46408	10.0000	10
3 Vinyl Chloride	62	2.007	2.010	(0.391)	43493	10.0000	10
4 Bromomethane	94	2.321	2.324	(0.452)	32661	10.0000	10
5 Chloroethane	64	2.426	2.417	(0.473)	23960	10.0000	11
6 Trichlorofluoromethane	101	2.716	2.718	(0.529)	62729	10.0000	9(a)
7 1,1-Dichloroethene	96	3.192	3.195	(0.622)	29791	10.0000	10
8 1,1,2-Trichloro-1,2,2-trifluo	101	3.239	3.229	(0.631)	38330	10.0000	10
9 Acetone	43	3.239	3.241	(0.631)	25288	10.0000	12
10 Carbon Disulfide	76	3.413	3.415	(0.665)	104014	10.0000	10
11 Methyl Acetate	43	3.947	3.949	(0.769)	42326	10.0000	11
12 Methylene Chloride	84	3.668	3.659	(0.715)	42100	10.0000	7(a)
13 trans-1,2-Dichloroethene	96	3.935	3.938	(0.767)	65919	10.0000	10
14 Methyl tert-Butyl Ether	73	3.947	3.949	(0.769)	163264	10.0000	10
15 1,1-Dichloroethane	63	4.330	4.333	(0.844)	108939	10.0000	9(a)

**COPY**

Original Documents Are Included in CSF \_\_\_\_\_  
 Signed: \_\_\_\_\_ Date: \_\_\_\_\_



Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
16 2-Butanone	43	4.911	4.913	(0.957)	41879	10.0000	10
17 cis-1,2-Dichloroethene	96	4.899	4.902	(0.955)	64387	10.0000	9(a)
* 18 Bromochloromethane	128	5.131	5.122	(1.000)	139800	50.0000	
19 Chloroform	83	5.201	5.204	(1.014)	123725	10.0000	10
20 1,1,1-Trichloroethane	97	5.399	5.401	(0.882)	80424	10.0000	10
21 Cyclohexane	56	5.457	5.459	(0.892)	95197	10.0000	10
22 Carbon Tetrachloride	117	5.561	5.564	(0.909)	63171	10.0000	10
\$ 23 1,2-Dichloroethane-d4	65	5.689	5.691	(1.109)	66478	10.0000	10
24 1,2-Dichloroethane	62	5.758	5.761	(1.122)	77657	10.0000	10
25 Benzene	78	5.758	5.750	(0.941)	240124	10.0000	10
* 26 1,4-Difluorobenzene	114	6.119	6.121	(1.000)	731156	50.0000	
27 Trichloroethene	130	6.397	6.400	(1.046)	58832	10.0000	10
28 Methylcyclohexane	83	6.606	6.597	(1.080)	91323	10.0000	9(a)
29 1,2-Dichloropropane	63	6.618	6.620	(1.082)	63416	10.0000	10
30 Bromodichloromethane	83	6.897	6.888	(1.127)	76427	10.0000	10
31 cis-1,3-Dichloropropene	75	7.361	7.352	(1.203)	81764	10.0000	9(a)
32 4-Methyl-2-Pentanone	43	7.512	7.503	(0.815)	64910	10.0000	9(a)
\$ 33 Toluene-d8	98	7.640	7.642	(0.829)	192056	10.0000	10
34 Toluene	91	7.721	7.712	(0.838)	231643	10.0000	10
35 trans-1,3-Dichloropropene	75	7.942	7.933	(1.298)	69172	10.0000	9(a)
36 1,1,2-Trichloroethane	97	8.139	8.130	(1.330)	53194	10.0000	10
37 Tetrachloroethene	164	8.313	8.316	(0.902)	49008	10.0000	10
38 2-Hexanone	43	8.418	8.409	(0.913)	33850	10.0000	7(a)
39 Dibromochloromethane	129	8.569	8.571	(1.400)	49796	10.0000	9(a)
40 1,2-Dibromoethane	107	8.708	8.699	(0.945)	59115	10.0000	10
* 42 Chlorobenzene-d5	117	9.219	9.222	(1.000)	628889	50.0000	
43 Chlorobenzene	112	9.254	9.257	(1.004)	142719	10.0000	10
44 Ethylbenzene	106	9.382	9.373	(1.018)	69359	10.0000	9(a)
45 m,p-Xylene	106	9.509	9.512	(1.031)	177277	20.0000	20
46 o-Xylene	106	9.974	9.965	(1.082)	81657	10.0000	9(a)
47 Styrene	104	9.986	9.977	(1.083)	87297	10.0000	9(a)
48 Bromoform	173	10.195	10.186	(1.666)	39329	10.0000	9(a)
49 Isopropylbenzene	105	10.404	10.395	(1.128)	196903	10.0000	9(a)
\$ 50 Bromofluorobenzene	95	10.578	10.569	(1.147)	72524	10.0000	10
51 1,1,2,2-Tetrachloroethane	83	10.741	10.731	(1.165)	84114	10.0000	10
M 41 Xylene (Total)	106				258935	10.0000	30
52 1,3-Dichlorobenzene	146	11.879	11.881	(1.288)	102711	10.0000	10
53 1,4-Dichlorobenzene	146	11.983	11.986	(1.300)	103328	10.0000	9(a)
54 1,2-Dichlorobenzene	146	12.436	12.439	(1.349)	96293	10.0000	9(a)
55 1,2-Dibromo-3-chloropropane	75	13.377	13.379	(1.451)	10153	10.0000	9(a)
56 1,2,4-Trichlorobenzene	180	14.410	14.413	(1.563)	37562	10.0000	8(a)

QC Flag Legend

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

  
 12/14/05

Data File: \\AVOCADRON\ORGANICS\organic\voa\56.1\061206A.B\VEG3665.D

Date: 08-DEC-2006 17:40

Client ID: VSTID0206J

Sample Info: 5ml.VSTID0206J.VSTID0206J

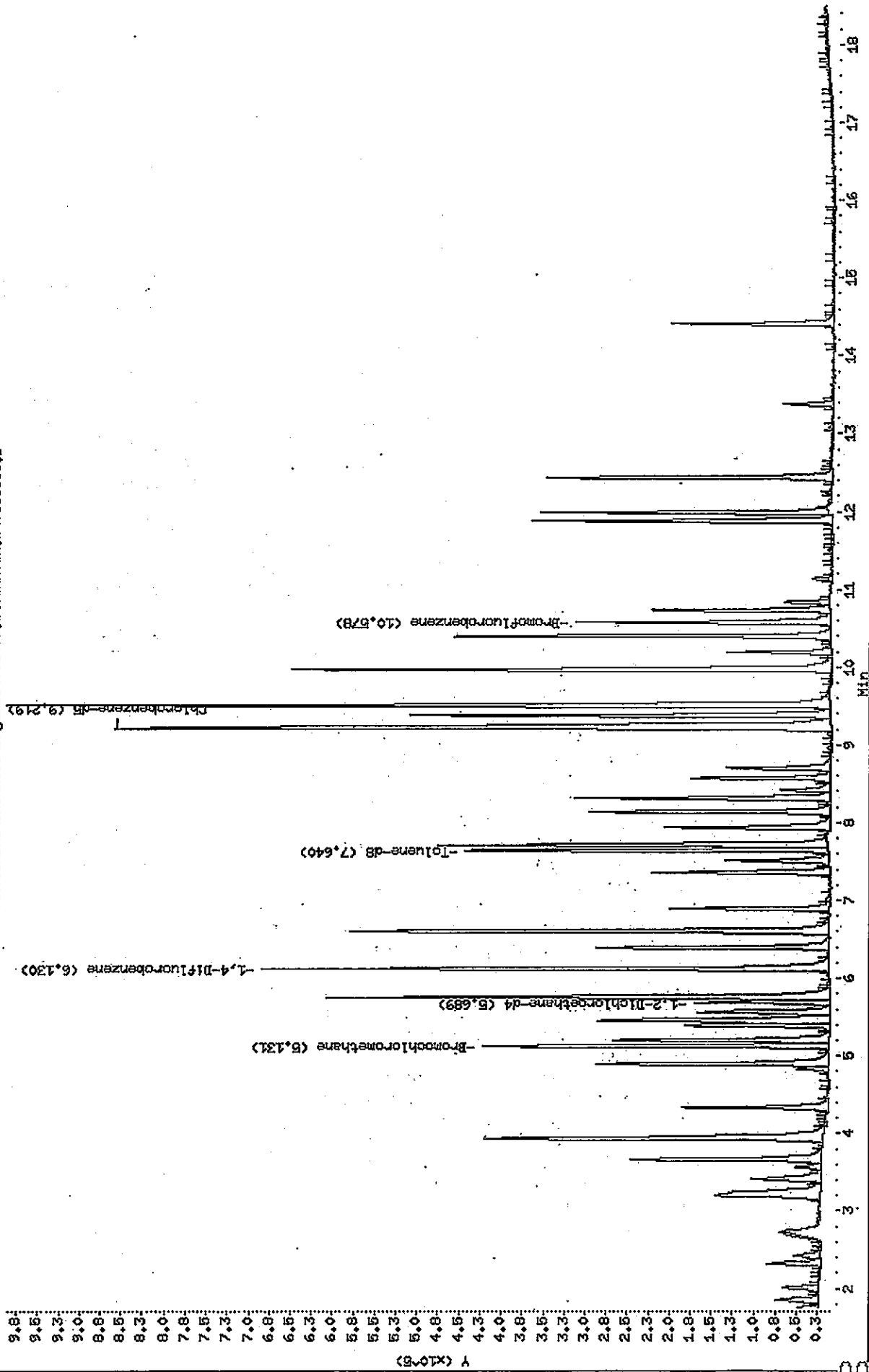
Column phase: IB-624

Instrument: v6.1

Operator: HZ

Column diameter: 0.26

\\AVOCADRON\ORGANICS\organic\voa\56.1\061206A.B\VEG3665.D



Data File: V5G3665.D  
 Report Date: 14-Dec-2005 11:23

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051208A.B\V5G3665.D  
 Lab Smp Id: VSTD0205J Client Smp ID: VSTD0205J  
 Inj Date : 08-DEC-2005 17:40  
 Operator : HZ Inst ID: v5.i  
 Smp Info : 5ml,VSTD0205J,VSTD0205J  
 Misc Info : ,1,2  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051208A.B\v5clp4h.m  
 Meth Date : 09-Dec-2005 09:17 mtl Quant Type: ISTD  
 Cal Date : 08-DEC-2005 15:41 Cal File: V5G3661.D  
 Als bottle: 5 Calibration Sample, Level: 2  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85	1.729	1.720	(0.337)	124880	20.0000	18
2 Chloromethane	50	1.856	1.859	(0.362)	89347	20.0000	19
3 Vinyl Chloride	52	2.007	2.010	(0.391)	84578	20.0000	19
4 Bromomethane	94	2.321	2.324	(0.452)	68030	20.0000	21
5 Chloroethane	64	2.425	2.417	(0.473)	42221	20.0000	21
6 Trichlorofluoromethane	101	2.739	2.718	(0.534)	122698	20.0000	19
7 1,1-Dichloroethene	96	3.204	3.195	(0.624)	56947	20.0000	19
8 1,1,2-Trichloro-1,2,2-trifluo	101	3.238	3.229	(0.631)	67794	20.0000	19
9 Acetone	43	3.238	3.241	(0.631)	30567	20.0000	15
10 Carbon Disulfide	76	3.413	3.415	(0.665)	192182	20.0000	18
11 Methyl Acetate	43	3.958	3.949	(0.771)	73892	20.0000	20
12 Methylene Chloride	84	3.668	3.659	(0.715)	138602	20.0000	22
13 trans-1,2-Dichloroethene	96	3.935	3.938	(0.767)	126943	20.0000	20
14 Methyl tert-Butyl Ether	73	3.947	3.949	(0.769)	325323	20.0000	20
15 1,1-Dichloroethane	63	4.342	4.333	(0.846)	217983	20.0000	19

Compounds	QUANT SIG			AMOUNTS			
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
16 2-Butanone	43	4.911	4.913	(0.957)	67285	20.0000	16
17 cis-1,2-Dichloroethene	96	4.899	4.902	(0.955)	133971	20.0000	20
* 18 Bromochloromethane	128	5.131	5.122	(1.000)	134567	50.0000	
19 Chloroform	83	5.201	5.204	(1.014)	231798	20.0000	21
20 1,1,1-Trichloroethane	97	5.398	5.401	(0.881)	149917	20.0000	19
21 Cyclohexane	56	5.456	5.459	(0.890)	177830	20.0000	19
22 Carbon Tetrachloride	117	5.561	5.564	(0.907)	118937	20.0000	19
\$ 23 1,2-Dichloroethane-d4	65	5.689	5.691	(1.109)	130011	20.0000	21
24 1,2-Dichloroethane	62	5.758	5.761	(1.122)	152433	20.0000	20
25 Benzene	78	5.758	5.750	(0.939)	476315	20.0000	21
* 26 1,4-Difluorobenzene	114	6.130	6.121	(1.000)	682270	50.0000	
27 Trichloroethene	130	6.397	6.400	(1.044)	109291	20.0000	19
28 Methylcyclohexane	83	6.606	6.597	(1.078)	182074	20.0000	20
29 1,2-Dichloropropane	63	6.618	6.620	(1.080)	119843	20.0000	20
30 Bromodichloromethane	83	6.896	6.888	(1.125)	150457	20.0000	20
31 cis-1,3-Dichloropropene	75	7.361	7.352	(1.201)	163372	20.0000	19
32 4-Methyl-2-Pentanone	43	7.512	7.503	(0.815)	117037	20.0000	18
\$ 33 Toluene-d8	98	7.651	7.642	(0.830)	366770	20.0000	20
34 Toluene	91	7.721	7.712	(0.838)	439005	20.0000	20
35 trans-1,3-Dichloropropene	75	7.942	7.933	(1.296)	145533	20.0000	20
36 1,1,2-Trichloroethane	97	8.139	8.130	(1.328)	104139	20.0000	20
37 Tetrachloroethene	164	8.313	8.316	(0.902)	90315	20.0000	19
38 2-Hexanone	43	8.418	8.409	(0.913)	75144	20.0000	16
39 Dibromochloromethane	129	8.569	8.571	(1.398)	106644	20.0000	20
40 1,2-Dibromoethane	107	8.708	8.699	(0.945)	116873	20.0000	20
* 42 Chlorobenzene-d5	117	9.219	9.222	(1.000)	590777	50.0000	
43 Chlorobenzene	112	9.254	9.257	(1.004)	273652	20.0000	20
44 Ethylbenzene	106	9.382	9.373	(1.018)	133823	20.0000	19
45 m,p-Xylene	106	9.509	9.512	(1.031)	346360	40.0000	41
46 o-Xylene	106	9.962	9.965	(1.081)	161665	20.0000	20
47 Styrene	104	9.986	9.977	(1.083)	180413	20.0000	19
48 Bromoform	173	10.195	10.186	(1.663)	75033	20.0000	19
49 Isopropylbenzene	105	10.404	10.395	(1.128)	392182	20.0000	19
\$ 50 Bromofluorobenzene	95	10.578	10.569	(1.147)	139249	20.0000	20
51 1,1,2,2-Tetrachloroethane	83	10.729	10.731	(1.164)	156553	20.0000	20
M 41 Xylene (Total)	106				508025	20.0000	62
52 1,3-Dichlorobenzene	146	11.878	11.881	(1.288)	201384	20.0000	20
53 1,4-Dichlorobenzene	146	11.983	11.986	(1.300)	200520	20.0000	19
54 1,2-Dichlorobenzene	146	12.436	12.439	(1.349)	193825	20.0000	20
55 1,2-Dibromo-3-chloropropane	75	13.377	13.379	(1.451)	19585	20.0000	18
56 1,2,4-Trichlorobenzene	180	14.410	14.413	(1.563)	84574	20.0000	18

SB  
12/14/05

Data File: \\AYGASADRO\ORGANICS\orga\voa\VE.1\061208A.B\4563661.J

Date: 08-DEC-2006 15:41

Client ID: VSTID060EJ

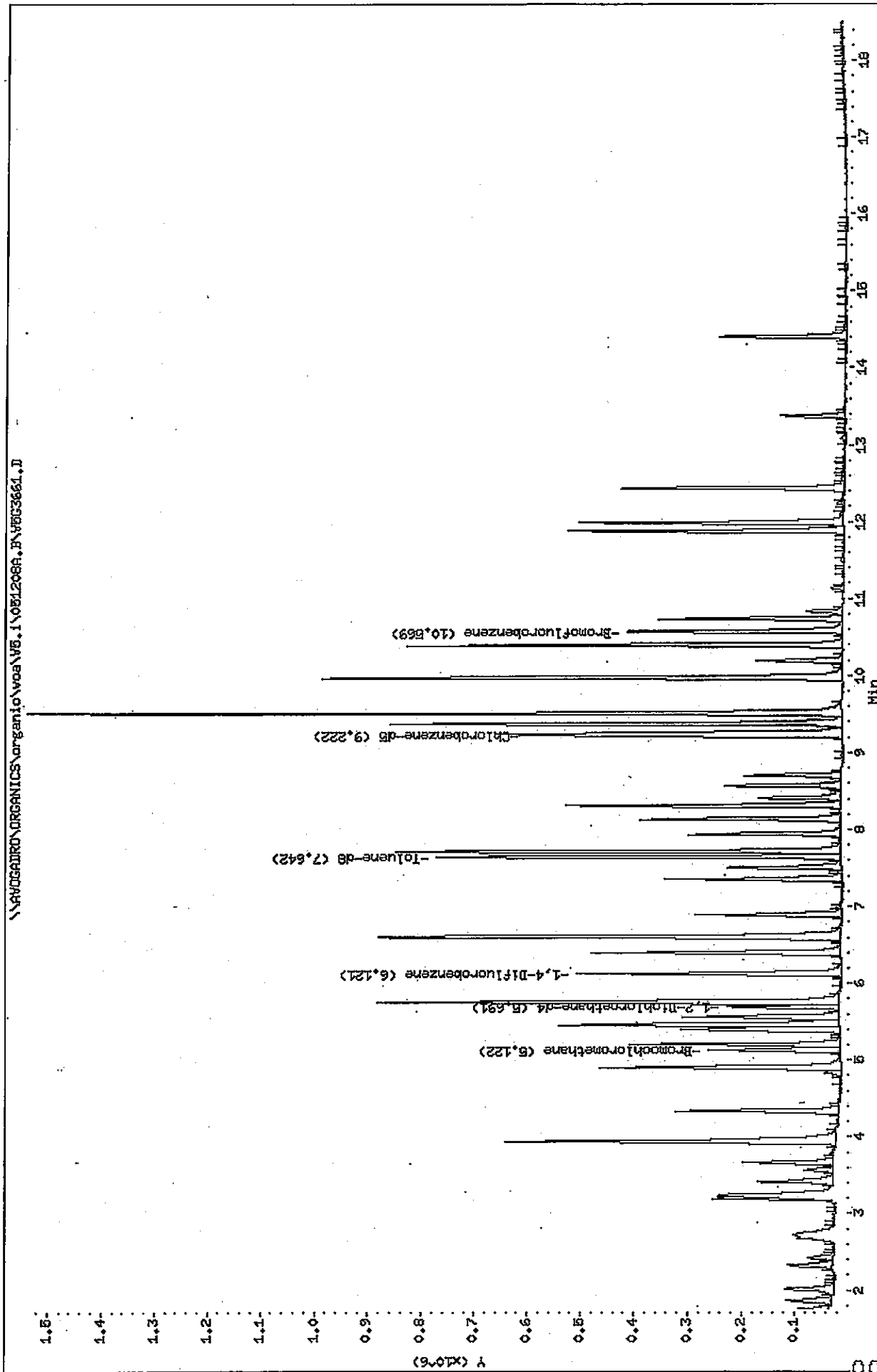
Sample Info: 5ml.VSTID060EJ.VSTID060EJ

Column phase: IB-624

Instrument: v5.i

Operator: HZ

Column diameter: 0.25



Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051208A.B\V5G3661.D  
 Lab Smp Id: VSTD0505J Client Smp ID: VSTD0505J  
 Inj Date : 08-DEC-2005 15:41  
 Operator : HZ Inst ID: v5.i  
 Smp Info : 5ml,VSTD0505J,VSTD0505J  
 Misc Info : ,2  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051208A.B\v5clp4h.m  
 Meth Date : 14-Dec-2005 11:24 mtl Quant Type: ISTD  
 Cal Date : 08-DEC-2005 15:41 Cal File: V5G3661.D  
 Als bottle: 1 Calibration Sample, Level: 3  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET3

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT ( ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85	1.720	1.720	(0.336)	250912	50.0000	60
2 Chloromethane	50	1.859	1.859	(0.363)	152518	50.0000	54
3 Vinyl Chloride	62	2.010	2.010	(0.392)	158897	50.0000	59
4 Bromomethane	94	2.324	2.324	(0.454)	96802	50.0000	50
5 Chloroethane	64	2.417	2.417	(0.472)	68874	50.0000	54
6 Trichlorofluoromethane	101	2.718	2.718	(0.531)	232947	50.0000	59
7 1,1-Dichloroethene	96	3.195	3.195	(0.624)	104038	50.0000	58
8 1,1,2-Trichloro-1,2,2-trifluo	101	3.229	3.229	(0.630)	121781	50.0000	55
9 Acetone	43	3.241	3.241	(0.633)	102926	50.0000	81
10 Carbon Disulfide	76	3.415	3.415	(0.667)	349662	50.0000	55
11 Methyl Acetate	43	3.949	3.949	(0.771)	105713	50.0000	45
12 Methylene Chloride	84	3.659	3.659	(0.714)	114340	50.0000	32
13 trans-1,2-Dichloroethane	96	3.938	3.938	(0.769)	216446	50.0000	55
14 Methyl tert-Butyl Ether	73	3.949	3.949	(0.771)	447189	50.0000	45
15 1,1-Dichloroethane	63	4.333	4.333	(0.846)	366423	50.0000	54

Compounds	QUANT SIG			AMOUNTS			
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
16 2-Butanone	43	4.913	4.913	(0.959)	187286	50.0000	73
17 cis-1,2-Dichloroethane	96	4.902	4.902	(0.957)	202181	50.0000	50
* 18 Bromochloromethane	128	5.122	5.122	(1.000)	82177	50.0000	
19 Chloroform	83	5.204	5.204	(1.016)	346151	50.0000	50
20 1,1,1-Trichloroethane	97	5.401	5.401	(0.882)	278373	50.0000	52
21 Cyclohexane	56	5.459	5.459	(0.892)	339635	50.0000	53
22 Carbon Tetrachloride	117	5.564	5.564	(0.909)	214076	50.0000	51
\$ 23 1,2-Dichloroethane-d4	65	5.691	5.691	(1.111)	181383	50.0000	47
24 1,2-Dichloroethane	62	5.761	5.761	(1.125)	212000	50.0000	47
25 Benzene	78	5.750	5.750	(0.939)	785729	50.0000	50
* 26 1,4-Difluorobenzene	114	6.121	6.121	(1.000)	467680	50.0000	
27 Trichloroethane	130	6.400	6.400	(1.046)	193869	50.0000	50
28 Methylcyclohexane	83	6.597	6.597	(1.078)	306044	50.0000	49
29 1,2-Dichloropropane	63	6.620	6.620	(1.082)	186076	50.0000	46
30 Bromodichloromethane	83	6.888	6.888	(1.125)	211519	50.0000	42
31 cis-1,3-Dichloropropane	75	7.352	7.352	(1.201)	237707	50.0000	42
32 4-Methyl-2-Pentanone	43	7.503	7.503	(0.814)	222001	50.0000	52
\$ 33 Toluene-d8	98	7.642	7.642	(0.829)	602189	50.0000	51
34 Toluene	91	7.712	7.712	(0.836)	745987	50.0000	51
35 trans-1,3-Dichloropropane	75	7.933	7.933	(1.296)	201745	50.0000	41
36 1,1,2-Trichloroethane	97	8.130	8.130	(1.328)	142563	50.0000	41
37 Tetrachloroethane	164	8.316	8.316	(0.902)	156476	50.0000	51
38 2-Hexanone	43	8.409	8.409	(0.912)	166502	50.0000	58
39 Dibromochloromethane	129	8.571	8.571	(1.400)	140428	50.0000	39
40 1,2-Dibromoethane	107	8.699	8.699	(0.943)	161307	50.0000	43
* 42 Chlorobenzene-d5	117	9.222	9.222	(1.000)	389577	50.0000	
43 Chlorobenzene	112	9.257	9.257	(1.004)	419003	50.0000	47
44 Ethylbenzene	106	9.373	9.373	(1.016)	222632	50.0000	49
45 m,p-Xylene	106	9.512	9.512	(1.031)	552927	100.0000	100
46 o-Xylene	106	9.965	9.965	(1.081)	259711	50.0000	49
47 Styrene	104	9.977	9.977	(1.082)	273896	50.0000	46
48 Bromoform	173	10.186	10.186	(1.664)	99681	50.0000	37
49 Isopropylbenzene	105	10.395	10.395	(1.127)	645438	50.0000	49
\$ 50 Bromofluorobenzene	95	10.569	10.569	(1.146)	196701	50.0000	43
51 1,1,2,2-Tetrachloroethane	83	10.731	10.731	(1.164)	236636	50.0000	45
M 41 Xylene (Total)	106				812638	50.0000	150
52 1,3-Dichlorobenzene	146	11.881	11.881	(1.288)	288017	50.0000	43
53 1,4-Dichlorobenzene	146	11.986	11.986	(1.300)	287876	50.0000	43
54 1,2-Dichlorobenzene	146	12.439	12.439	(1.349)	256323	50.0000	41
55 1,2-Dibromo-3-chloropropane	75	13.379	13.379	(1.451)	36253	50.0000	51
56 1,2,4-Trichlorobenzene	180	14.413	14.413	(1.563)	104278	50.0000	35

Ⓟ  
12/14/05

Data File: \\AV03ADRO\ORGANICS\organic\voa\05.1\051208A.B\VEG3664.D

Date: 08-DEC-2006 17:10

Client ID: VSTIM006J

Sample Info: 5ml.VSTIM006J.VSTIM006J

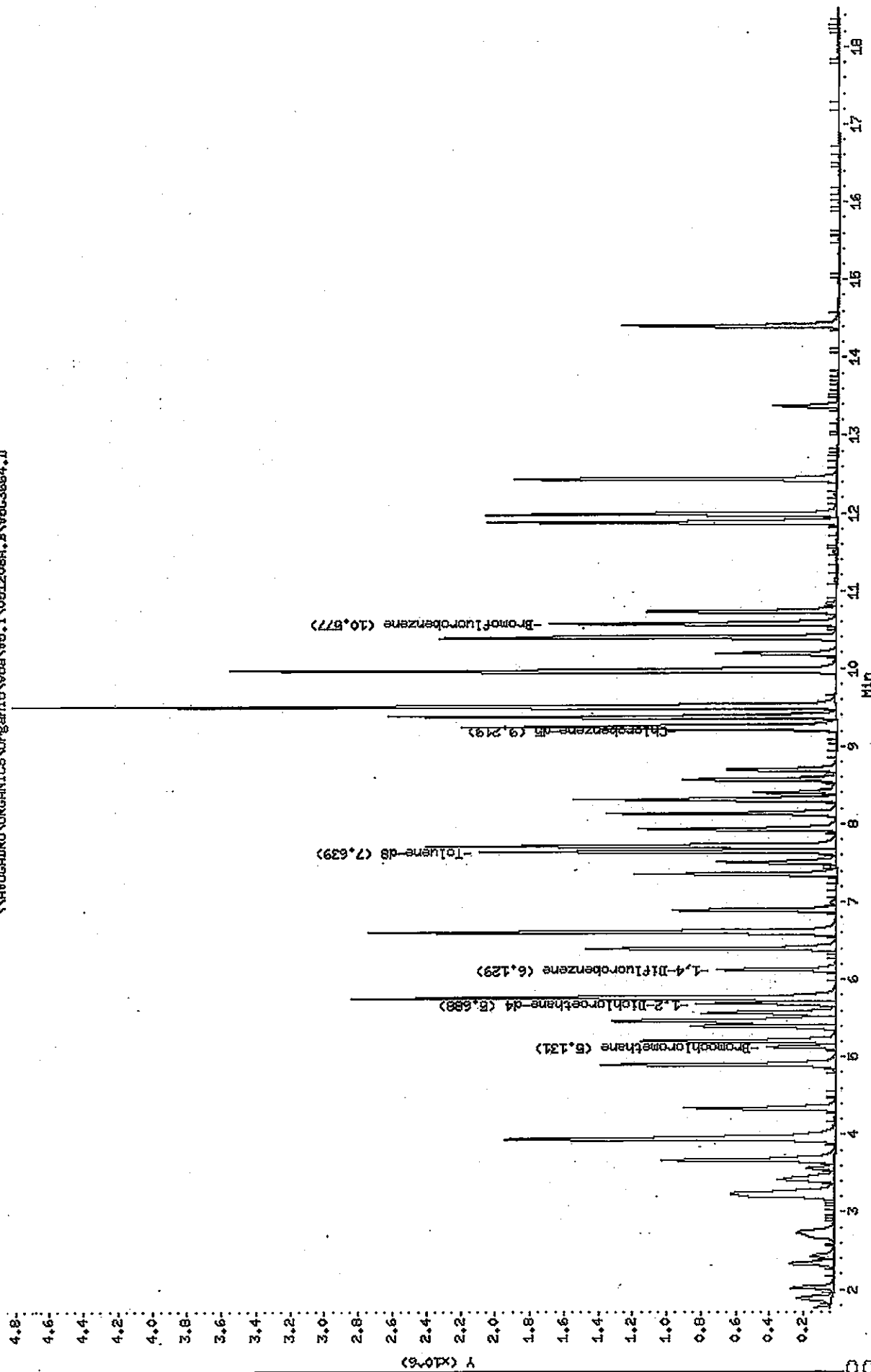
Column phase: DB-624

Instrument: v5.1

Operator: HZ

Column diameter: 0.25

\\AV03ADRO\ORGANICS\organic\voa\05.1\051208A.B\VEG3664.D





Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051208A.B\V5G3664.D  
 Lab Smp Id: VSTD1005J Client Smp ID: VSTD1005J  
 Inj Date : 08-DEC-2005 17:10  
 Operator : HZ Inst ID: v5.i  
 Smp Info : 5ml,VSTD1005J,VSTD1005J  
 Misc Info : ,1,4  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051208A.B\v5clp4h.m  
 Meth Date : 09-Dec-2005 09:17 mtl Quant Type: ISTD  
 Cal Date : 08-DEC-2005 15:41 Cal File: V5G3661.D  
 Als bottle: 4 Calibration Sample, Level: 4  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85	1.728	1.720	(0.337)	624296	100.000	91
2 Chloromethane	50	1.891	1.859	(0.368)	443473	100.000	96
3 Vinyl Chloride	62	2.030	2.010	(0.396)	408760	100.000	94
4 Bromomethane	94	2.332	2.324	(0.455)	317628	100.000	100
5 Chloroethane	64	2.425	2.417	(0.473)	192367	100.000	99
6 Trichlorofluoromethane	101	2.738	2.718	(0.534)	618381	100.000	96
7 1,1-Dichloroethene	96	3.203	3.195	(0.624)	279090	100.000	96
8 1,1,2-Trichloro-1,2,2-trifluo	101	3.249	3.229	(0.633)	352362	100.000	98
9 Acetone	43	3.249	3.241	(0.633)	149264	100.000	72
10 Carbon Disulfide	76	3.412	3.415	(0.665)	1022470	100.000	99
11 Methyl Acetate	43	3.946	3.949	(0.769)	374778	100.000	100
12 Methylene Chloride	84	3.668	3.659	(0.715)	709256	100.000	120
13 trans-1,2-Dichloroethene	96	3.935	3.938	(0.767)	590412	100.000	95
14 Methyl tert-Butyl Ether	73	3.946	3.949	(0.769)	1683138	100.000	100
15 1,1-Dichloroethane	63	4.341	4.333	(0.846)	1053234	100.000	96

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
16 2-Butanone	43	4.910	4.913	(0.957)	346584	100.000	79
17 cis-1,2-Dichloroethene	96	4.898	4.902	(0.955)	652802	100.000	100
* 18 Bromochloromethane	128	5.131	5.122	(1.000)	129620	50.0000	
19 Chloroform	83	5.212	5.204	(1.016)	1075544	100.000	100
20 1,1,1-Trichloroethane	97	5.398	5.401	(0.881)	756464	100.000	97
21 Cyclohexane	56	5.468	5.459	(0.892)	906367	100.000	95
22 Carbon Tetrachloride	117	5.560	5.564	(0.907)	604529	100.000	98
\$ 23 1,2-Dichloroethane-d4	65	5.688	5.691	(1.109)	640503	100.000	110
24 1,2-Dichloroethane	62	5.758	5.761	(1.122)	732908	100.000	100
25 Benzene	78	5.758	5.750	(0.939)	2256253	100.000	100
* 26 1,4-Difluorobenzene	114	6.129	6.121	(1.000)	671475	50.0000	
27 Trichloroethene	130	6.396	6.400	(1.044)	559154	100.000	100
28 Methylcyclohexane	83	6.606	6.597	(1.078)	898959	100.000	99
29 1,2-Dichloropropane	63	6.617	6.620	(1.080)	594196	100.000	100
30 Bromodichloromethane	83	6.896	6.888	(1.125)	758932	100.000	110
31 cis-1,3-Dichloropropane	75	7.349	7.352	(1.199)	883024	100.000	110
32 4-Methyl-2-Pentanone	43	7.511	7.503	(0.815)	644000	100.000	96
\$ 33 Toluene-d8	98	7.639	7.642	(0.829)	1791805	100.000	100
34 Toluene	91	7.720	7.712	(0.837)	2245228	100.000	100
35 trans-1,3-Dichloropropane	75	7.941	7.933	(1.296)	786486	100.000	110
36 1,1,2-Trichloroethane	97	8.139	8.130	(1.328)	527463	100.000	110
37 Tetrachloroethene	164	8.313	8.316	(0.902)	458129	100.000	99
38 2-Hexanone	43	8.406	8.409	(0.912)	449786	100.000	92
39 Dibromochloromethane	129	8.568	8.571	(1.398)	570161	100.000	110
40 1,2-Dibromoethane	107	8.696	8.699	(0.943)	596918	100.000	100
* 42 Chlorobenzene-d5	117	9.219	9.222	(1.000)	586670	50.0000	
43 Chlorobenzene	112	9.253	9.257	(1.004)	1381466	100.000	100
44 Ethylbenzene	106	9.381	9.373	(1.018)	705579	100.000	100
45 m,p-Xylene	106	9.509	9.512	(1.031)	1694509	200.000	210
46 o-Xylene	106	9.962	9.965	(1.081)	854225	100.000	100
47 Styrene	104	9.985	9.977	(1.083)	1004714	100.000	110
48 Bromoform	173	10.194	10.186	(1.663)	432403	100.000	110
49 Isopropylbenzene	105	10.391	10.395	(1.127)	2085703	100.000	100
\$ 50 Bromofluorobenzene	95	10.577	10.569	(1.147)	738100	100.000	110
51 1,1,2,2-Tetrachloroethane	83	10.728	10.731	(1.164)	831707	100.000	100
M 41 Xylene (Total)	106				2548735	100.000	310
52 1,3-Dichlorobenzene	146	11.878	11.881	(1.288)	1101224	100.000	110
53 1,4-Dichlorobenzene	146	11.982	11.986	(1.300)	1136703	100.000	110
54 1,2-Dichlorobenzene	146	12.435	12.439	(1.349)	1079621	100.000	110
55 1,2-Dibromo-3-chloropropane	75	13.376	13.379	(1.451)	108566	100.000	95
56 1,2,4-Trichlorobenzene	180	14.410	14.413	(1.563)	538697	100.000	110

12/14/05

Data File: \\AVOCARDU\ORGANICS\organio\voa\W5.1\051208A.F\W533663.D

Date : 08-DEC-2005 16:41

Client ID: VSTU2003J

Sample Info: 5ml.VSTU2005J.VSTU2003J

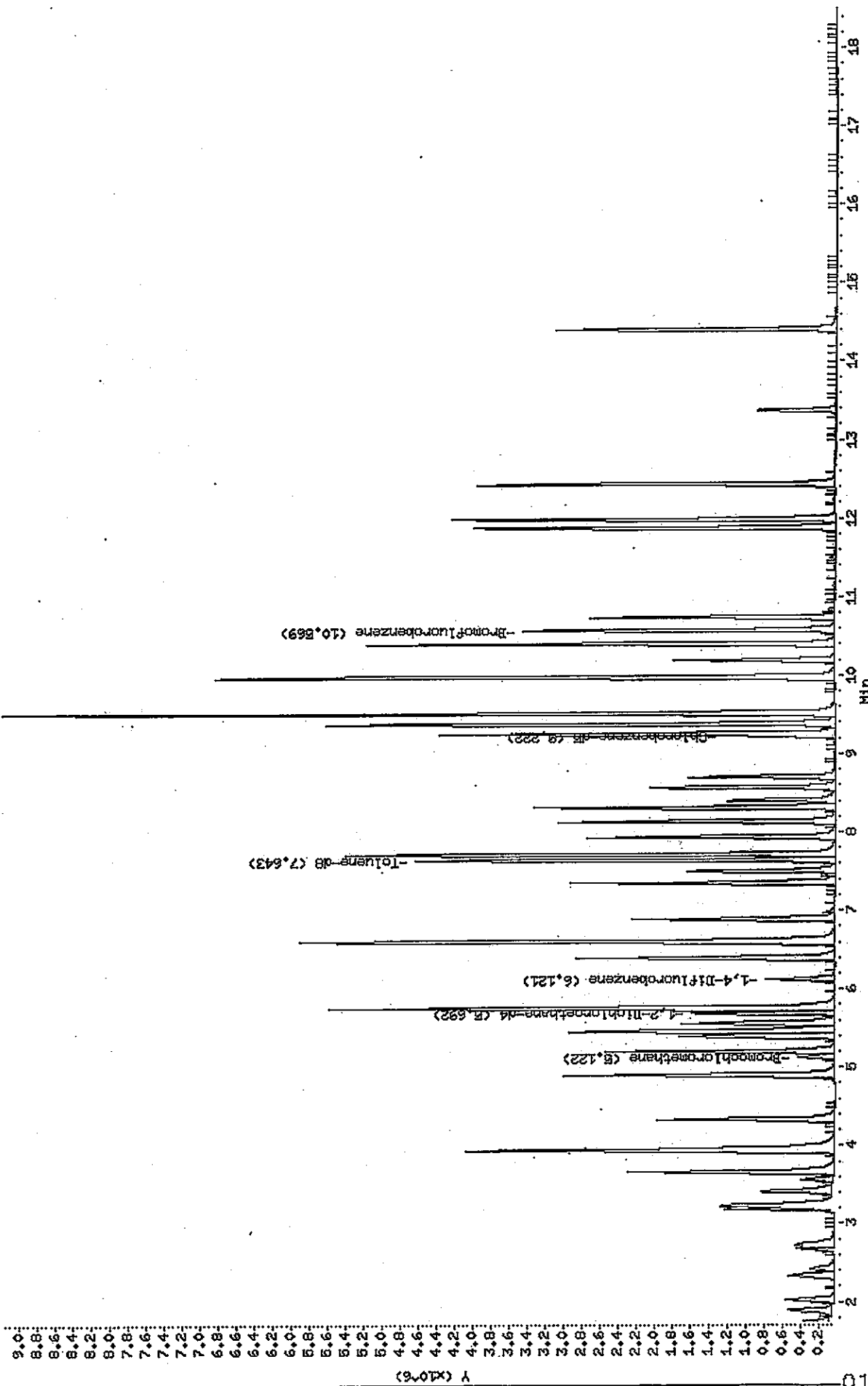
Column phase: DB-624

Instrument: v5.i

Operator: HZ

Column diameter: 0.25

\\AVOCARDU\ORGANICS\organio\voa\W5.1\051208A.F\W533663.D



Data File: V5G3663.D  
 Report Date: 14-Dec-2005 11:23

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051208A.B\V5G3663.D  
 Lab Smp Id: VSTD2005J Client Smp ID: VSTD2005J  
 Inj Date : 08-DEC-2005 16:41  
 Operator : HZ Inst ID: v5.i  
 Smp Info : 5ml,VSTD2005J,VSTD2005J  
 Misc Info : ,1,5  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051208A.B\v5clp4h.m  
 Meth Date : 09-Dec-2005 09:17 mtl Quant Type: ISTD  
 Cal Date : 08-DEC-2005 15:41 Cal File: V5G3661.D  
 Als bottle: 3 Calibration Sample, Level: 5  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET6

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT ( ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85	1.720	1.720	(0.336)	1397941	200.000	180
2 Chloromethane	50	1.894	1.859	(0.370)	986234	200.000	190
3 Vinyl Chloride	62	2.022	2.010	(0.395)	870700	200.000	180
4 Bromomethane	94	2.335	2.324	(0.456)	624907	200.000	190
5 Chloroethane	64	2.428	2.417	(0.474)	374814	200.000	180
6 Trichlorofluoromethane	101	2.730	2.718	(0.533)	1272861	200.000	180
7 1,1-Dichloroethene	96	3.195	3.195	(0.624)	572292	200.000	180
8 1,1,2-Trichloro-1,2,2-trifluo	101	3.241	3.229	(0.633)	731585	200.000	190
9 Acetone	43	3.241	3.241	(0.633)	322577	200.000	130
10 Carbon Disulfide	76	3.415	3.415	(0.667)	2102754	200.000	190
11 Methyl Acetate	43	3.950	3.949	(0.771)	831422	200.000	220 (A)
12 Methylene Chloride	84	3.659	3.659	(0.714)	1516236	200.000	260 (A)
13 trans-1,2-Dichloroethane	96	3.938	3.938	(0.769)	1291279	200.000	190
14 Methyl tert-Butyl Ether	73	3.950	3.949	(0.771)	3730247	200.000	220 (A)
15 1,1-Dichloroethane	63	4.333	4.333	(0.846)	2316455	200.000	190

Compounds	QUANT SIG			AMOUNTS			
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
16 2-Butanone	43	4.902	4.913	(0.957)	814379	200.000	160
17 cis-1,2-Dichloroethene	96	4.902	4.902	(0.957)	1416815	200.000	200 (A)
* 18 Bromochloromethane	128	5.122	5.122	(1.000)	140700	50.0000	
19 Chloroform	83	5.204	5.204	(1.016)	2303693	200.000	200
20 1,1,1-Trichloroethane	97	5.401	5.401	(0.882)	1633514	200.000	200
21 Cyclohexane	56	5.459	5.459	(0.892)	2036277	200.000	200
22 Carbon Tetrachloride	117	5.564	5.564	(0.909)	1313734	200.000	200 (A)
\$ 23 1,2-Dichloroethane-d4	65	5.691	5.691	(1.111)	1239100	200.000	200
24 1,2-Dichloroethane	62	5.761	5.761	(1.125)	1597311	200.000	210 (A)
25 Benzene	78	5.750	5.750	(0.939)	4763582	200.000	200 (A)
* 26 1,4-Difluorobenzene	114	6.121	6.121	(1.000)	707503	50.0000	
27 Trichloroethene	130	6.400	6.400	(1.046)	1198222	200.000	200 (A)
28 Methylcyclohexane	83	6.597	6.597	(1.078)	1970999	200.000	210 (A)
29 1,2-Dichloropropane	63	6.609	6.620	(1.080)	1272357	200.000	210 (A)
30 Bromodichloromethane	83	6.888	6.888	(1.125)	1672421	200.000	230 (A)
31 cis-1,3-Dichloropropene	75	7.352	7.352	(1.201)	1966132	200.000	230 (A)
32 4-Methyl-2-Pentanone	43	7.503	7.503	(0.814)	1508825	200.000	200 (A)
\$ 33 Toluene-d8	98	7.643	7.642	(0.829)	3619276	200.000	190
34 Toluene	91	7.712	7.712	(0.836)	4733401	200.000	200
35 trans-1,3-Dichloropropene	75	7.933	7.933	(1.296)	1739704	200.000	240 (A)
36 1,1,2-Trichloroethane	97	8.130	8.130	(1.328)	1162148	200.000	230 (A)
37 Tetrachloroethene	164	8.316	8.316	(0.902)	999570	200.000	200
38 2-Hexanone	43	8.397	8.409	(0.911)	1113725	200.000	200 (A)
39 Dibromochloromethane	129	8.572	8.571	(1.400)	1270640	200.000	240 (A)
40 1,2-Dibromoethane	107	8.699	8.699	(0.943)	1355019	200.000	230 (A)
* 42 Chlorobenzene-d5	117	9.222	9.222	(1.000)	631008	50.0000	
43 Chlorobenzene	112	9.257	9.257	(1.004)	2969742	200.000	210 (A)
44 Ethylbenzene	106	9.373	9.373	(1.016)	1544402	200.000	210 (A)
45 m,p-Xylene	106	9.512	9.512	(1.031)	3438113	400.000	390
46 o-Xylene	106	9.965	9.965	(1.081)	1781751	200.000	210 (A)
47 Styrene	104	9.977	9.977	(1.082)	2103876	200.000	220 (A)
48 Bromoform	173	10.186	10.186	(1.664)	1014398	200.000	250 (A)
49 Isopropylbenzene	105	10.395	10.395	(1.127)	4404162	200.000	210 (A)
\$ 50 Bromofluorobenzene	95	10.569	10.569	(1.146)	1540527	200.000	220 (A)
51 1,1,2,2-Tetrachloroethane	83	10.732	10.731	(1.164)	1839904	200.000	220 (A)
M 41 Xylene (Total)	106				5219865	200.000	600 (A)
52 1,3-Dichlorobenzene	146	11.881	11.881	(1.288)	2304149	200.000	220 (A)
53 1,4-Dichlorobenzene	146	11.986	11.986	(1.300)	2400030	200.000	230 (A)
54 1,2-Dichlorobenzene	146	12.427	12.439	(1.348)	2260188	200.000	230 (A)
55 1,2-Dibromo-3-chloropropane	75	13.368	13.379	(1.450)	269807	200.000	210 (A)
56 1,2,4-Trichlorobenzene	180	14.401	14.413	(1.562)	1320349	200.000	260 (A)

QC Flag Legend

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

SB  
12/14/05

7A  
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453  
 Instrument ID: V5 Calibration Date: 12/09/05 Time: 0943  
 Lab File ID: V5G3671 Init. Calib. Date(s): 12/08/05 12/08/05  
 EPA Sample No. (VSTD050##): VSTD0505K Init. Calib. Times: 1541 1842  
 Heated Purge: (Y/N) Y  
 GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.559	2.526		-1.3	
Chloromethane	1.728	1.777		2.8	
Vinyl Chloride	1.637	1.620	0.100	-1.0	25.0
Bromomethane	1.189	1.246	0.100	4.8	25.0
Chloroethane	0.777	0.781		0.5	
Trichlorofluoromethane	2.401	2.443		1.7	
1,1-Dichloroethene	1.097	1.089	0.100	-0.7	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.354	1.364		0.7	
Acetone	0.775	0.815		5.2	
Carbon Disulfide	3.845	3.943		2.5	
Methyl Acetate	1.415	1.481		4.7	
Methylene Chloride	2.180	2.764		26.8	
trans-1,2-Dichloroethene	2.384	2.432		2.0	
Methyl tert-Butyl Ether	6.091	6.490		6.6	
1,1-Dichloroethane	4.117	4.167	0.200	1.2	25.0
cis-1,2-Dichloroethene	2.457	2.463		0.2	
2-Butanone	1.562	1.672		7.0	
Chloroform	4.237	4.189	0.200	-1.1	25.0
1,1,1-Trichloroethane	0.567	0.568	0.100	0.2	25.0
Cyclohexane	0.685	0.695		1.5	
Carbon Tetrachloride	0.448	0.457	0.100	2.0	25.0
Benzene	1.686	1.735	0.500	2.9	25.0
1,2-Dichloroethane	2.771	2.800	0.100	1.0	25.0
Trichloroethene	0.411	0.425	0.300	3.4	25.0
Methylcyclohexane	0.662	0.716		8.2	

All other compounds must meet a minimum RRF of 0.010.

7B  
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453  
 Instrument ID: V5 Calibration Date: 12/09/05 Time: 0943  
 Lab File ID: V5G3671 Init. Calib. Date(s): 12/08/05 12/08/05  
 EPA Sample No. (VSTD050##): VSTD0505K Init. Calib. Times: 1541 1842  
 Heated Purge: (Y/N) Y  
 GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.433	0.459		6.0	
Bromodichloromethane	0.536	0.548	0.200	2.2	25.0
cis-1,3-Dichloropropene	0.604	0.667	0.200	10.4	25.0
4-Methyl-2-Pentanone	0.546	0.605		10.8	
Toluene	1.881	1.978	0.400	5.2	25.0
trans-1,3-Dichloropropene	0.528	0.589	0.100	11.6	25.0
1,1,2-Trichloroethane	0.371	0.395	0.100	6.5	25.0
Tetrachloroethene	0.392	0.410	0.200	4.6	25.0
2-Hexanone	0.368	0.448		21.7	
Dibromochloromethane	0.381	0.402	0.100	5.5	25.0
1,2-Dibromoethane	0.485	0.505		4.1	
Chlorobenzene	1.145	1.201	0.500	4.9	25.0
Ethylbenzene	0.580	0.605	0.100	4.3	25.0
Xylene (Total)	0.687	0.744	0.300	8.3	25.0
Styrene	0.770	0.819	0.300	6.4	25.0
Bromoform	0.287	0.317	0.100	10.5	25.0
Isopropylbenzene	1.681	1.803		7.3	
1,1,2,2-Tetrachloroethane	0.675	0.725	0.300	7.4	25.0
1,3-Dichlorobenzene	0.852	0.860	0.600	0.9	25.0
1,4-Dichlorobenzene	0.866	0.911	0.500	5.2	25.0
1,2-Dichlorobenzene	0.812	0.813	0.400	0.1	25.0
1,2-Dibromo-3-chloropropane	0.091	0.094		3.3	
1,2,4-Trichlorobenzene	0.381	0.407	0.200	6.8	25.0
Toluene-d8	1.517	1.556		2.6	
Bromofluorobenzene	0.582	0.619	0.200	6.4	25.0
1,2-Dichloroethane-d4	2.335	2.220		-4.9	

All other compounds must meet a minimum RRF of 0.010.

Data File: \\AVOCADURO\ORGANICS\organic\voa\05.i\051209.B\W53674.D

Date: 09-DEC-2005 09:43

Client ID: VSTID0505K

Sample Info: Em1.VSTID0505K.VSTID0505K

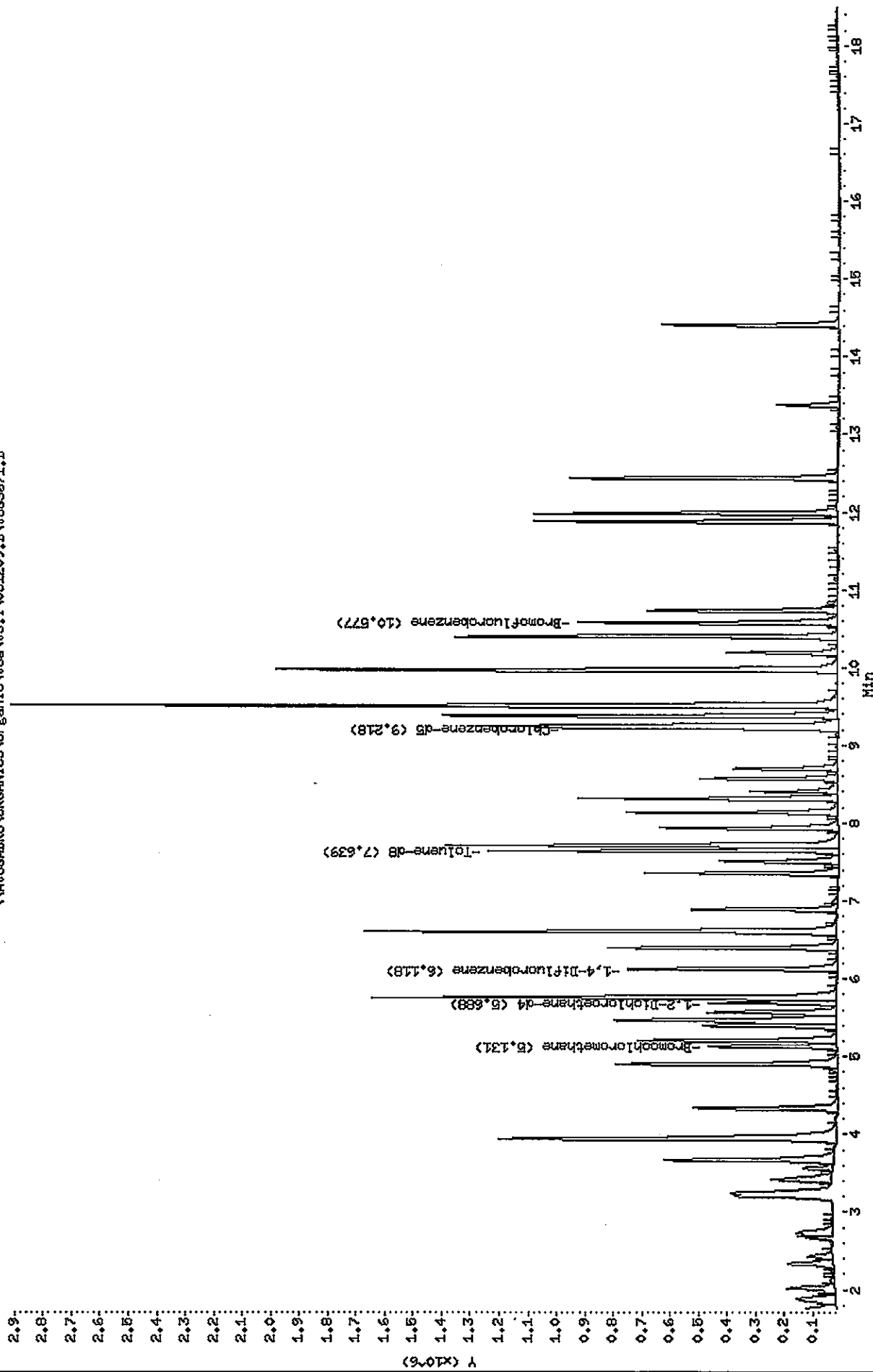
Column phase: DB-624

Instrument: v5.i

Operator: HZ

Column diameter: 0.25

\\AVOCADURO\ORGANICS\organic\voa\05.i\051209.B\W53674.D





Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge

Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3671.D  
 Lab Smp Id: VSTD0505K Client Smp ID: VSTD0505K  
 Inj Date : 09-DEC-2005 09:43  
 Operator : HZ Inst ID: v5.i  
 Smp Info : 5ml, VSTD0505K, VSTD0505K  
 Misc Info : ,2  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\v5clp4h.m  
 Meth Date : 14-Dec-2005 11:05 mtl Quant Type: ISTD  
 Cal Date : 09-DEC-2005 09:43 Cal File: V5G3671.D  
 Als bottle: 1 Continuing Calibration Sample  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET3

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
1 Dichlorodifluoromethane	85	1.728	1.728	(0.337)	376187	50.0000	49
2 Chloromethane	50	1.891	1.891	(0.368)	264716	50.0000	51
3 Vinyl Chloride	62	2.018	2.018	(0.393)	241374	50.0000	49
4 Bromomethane	94	2.332	2.332	(0.454)	185548	50.0000	52
5 Chloroethane	64	2.425	2.425	(0.473)	116348	50.0000	50
6 Trichlorofluoromethane	101	2.727	2.727	(0.531)	363836	50.0000	51
7 1,1-Dichloroethene	96	3.203	3.203	(0.624)	162168	50.0000	50
8 1,1,2-Trichloro-1,2,2-trifluo	101	3.238	3.238	(0.631)	203161	50.0000	50
9 Acetone	43	3.238	3.238	(0.631)	121440	50.0000	53
10 Carbon Disulfide	76	3.412	3.412	(0.665)	587259	50.0000	51
11 Methyl Acetate	43	3.946	3.946	(0.769)	220632	50.0000	52
12 Methylene Chloride	84	3.667	3.667	(0.715)	411741	50.0000	63
13 trans-1,2-Dichloroethene	96	3.934	3.934	(0.767)	362240	50.0000	51
14 Methyl tert-Butyl Ether	73	3.946	3.946	(0.769)	966783	50.0000	53
15 1,1-Dichloroethane	63	4.341	4.341	(0.846)	620642	50.0000	51

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
16 2-Butanone	43	4.910	4.910	(0.957)	249077	50.0000	54
17 cis-1,2-Dichloroethene	96	4.898	4.898	(0.955)	366913	50.0000	50
* 18 Bromochloromethane	128	5.131	5.131	(1.000)	148954	50.0000	
19 Chloroform	83	5.200	5.200	(1.014)	623905	50.0000	49
20 1,1,1-Trichloroethane	97	5.398	5.398	(0.881)	434494	50.0000	50
21 Cyclohexane	56	5.467	5.467	(0.892)	531553	50.0000	51
22 Carbon Tetrachloride	117	5.560	5.560	(0.907)	349331	50.0000	51
\$ 23 1,2-Dichloroethane-d4	65	5.688	5.688	(1.109)	330729	50.0000	48
24 1,2-Dichloroethane	62	5.758	5.758	(1.122)	417085	50.0000	51
25 Benzene	78	5.758	5.758	(0.939)	1326351	50.0000	51
* 26 1,4-Difluorobenzene	114	6.129	6.129	(1.000)	764494	50.0000	
27 Trichloroethene	130	6.396	6.396	(1.044)	324934	50.0000	52
28 Methylcyclohexane	83	6.605	6.605	(1.078)	547198	50.0000	54
29 1,2-Dichloropropane	63	6.617	6.617	(1.080)	350560	50.0000	53
30 Bromodichloromethane	83	6.884	6.884	(1.123)	418649	50.0000	51
31 cis-1,3-Dichloropropene	75	7.349	7.349	(1.199)	509793	50.0000	55
32 4-Methyl-2-Pentanone	43	7.511	7.511	(0.815)	401652	50.0000	55
\$ 33 Toluene-d8	98	7.639	7.639	(0.829)	1032861	50.0000	51
34 Toluene	91	7.709	7.709	(0.836)	1313139	50.0000	53
35 trans-1,3-Dichloropropene	75	7.941	7.941	(1.296)	449979	50.0000	56
36 1,1,2-Trichloroethane	97	8.138	8.138	(1.328)	301809	50.0000	53
37 Tetrachloroethene	164	8.313	8.313	(0.902)	272009	50.0000	52
38 2-Hexanone	43	8.405	8.405	(0.912)	297772	50.0000	61
39 Dibromochloromethane	129	8.568	8.568	(1.398)	307283	50.0000	53
40 1,2-Dibromoethane	107	8.696	8.696	(0.943)	335474	50.0000	52
* 42 Chlorobenzene-d5	117	9.218	9.218	(1.000)	663994	50.0000	
43 Chlorobenzene	112	9.253	9.253	(1.004)	797778	50.0000	52
44 Ethylbenzene	106	9.381	9.381	(1.018)	401837	50.0000	52
45 m,p-Xylene	106	9.509	9.509	(1.031)	1009623	100.000	110
46 o-Xylene	106	9.962	9.962	(1.081)	493721	50.0000	54
47 Styrene	104	9.985	9.985	(1.083)	543745	50.0000	53
48 Bromoform	173	10.194	10.194	(1.663)	242117	50.0000	55
49 Isopropylbenzene	105	10.391	10.391	(1.127)	1196988	50.0000	54
\$ 50 Bromofluorobenzene	95	10.577	10.577	(1.147)	410881	50.0000	53
51 1,1,2,2-Tetrachloroethane	83	10.728	10.728	(1.164)	481188	50.0000	54
M 41 Xylene (Total)	106				1503344	50.0000	160
52 1,3-Dichlorobenzene	146	11.878	11.878	(1.288)	571254	50.0000	50
53 1,4-Dichlorobenzene	146	11.982	11.982	(1.300)	604582	50.0000	53
54 1,2-Dichlorobenzene	146	12.435	12.435	(1.349)	539885	50.0000	50
55 1,2-Dibromo-3-chloropropane	75	13.376	13.376	(1.451)	62434	50.0000	51
56 1,2,4-Trichlorobenzene	180	14.409	14.409	(1.563)	270514	50.0000	53

Ⓟ

12/14/05

Date: 08-DEC-2005 15:16

Client ID: BFB5J

Instrument: 05.1

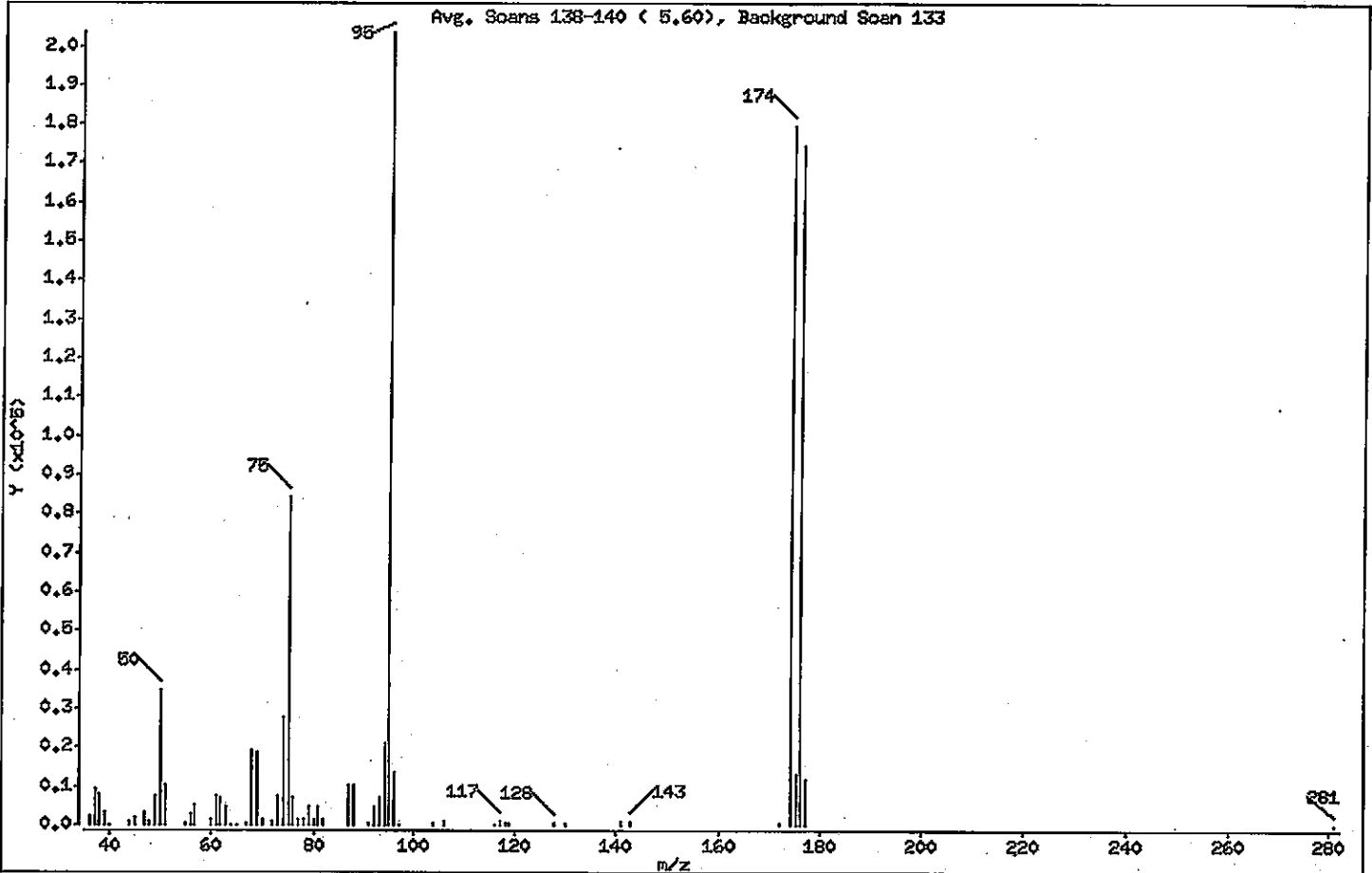
Sample Info: 2UL,BFB5J,BFB5J

Operator: 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	17.02
75	30.00 - 66.00% of mass 95	41.82
96	5.00 - 9.00% of mass 95	6.73
173	Less than 2.00% of mass 174	0.00 ( 0.00)
174	50.00 - 120.00% of mass 95	88.31
175	4.00 - 9.00% of mass 174	6.49 ( 7.34)
176	93.00 - 101.00% of mass 174	85.65 ( 96.98)
177	5.00 - 9.00% of mass 176	5.74 ( 6.70)

COPY

Original Documents Are Included in CSF \_\_\_\_\_  
 Signed: \_\_\_\_\_ Date: \_\_\_\_\_

Date : 08-DEC-2005 15:16

Client ID: BFB5J

Instrument: v5.i

Sample Info: 2UL,BFB5J,BFB5J

Operator: HZ

Column phase: DB-624

Column diameter: 0.25

Data File: 0503660.D  
 Spectrum: Avg. Scans 138-140 (< 5.60), Background Scan 133  
 Location of Maximum: 95.00  
 Number of points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2127	61.00	7332	79.00	4736	117.00	1149
37.00	9609	62.00	7059	80.00	1605	118.00	422
38.00	7852	63.00	4901	81.00	4854	119.00	528
39.00	3300	64.00	225	82.00	1316	120.00	611
40.00	234	65.00	168	87.00	10503	130.00	419
44.00	967	67.00	589	88.00	10428	141.00	1075
45.00	1950	68.00	19216	91.00	699	143.00	1156
47.00	3140	69.00	18936	92.00	4824	172.00	639
48.00	1002	70.00	1462	93.00	7166	174.00	179712
49.00	7574	72.00	940	94.00	21000	175.00	13195
50.00	34624	73.00	7634	95.00	203520	176.00	174272
51.00	10383	74.00	27512	96.00	13692	177.00	11684
55.00	524	75.00	84496	97.00	213	281.00	196
56.00	2788	76.00	6975	104.00	678		
57.00	5169	77.00	1187	106.00	766		
60.00	1504	78.00	1190	116.00	169		

Date : 08-DEC-2005 15:16

Client ID: BFB6J

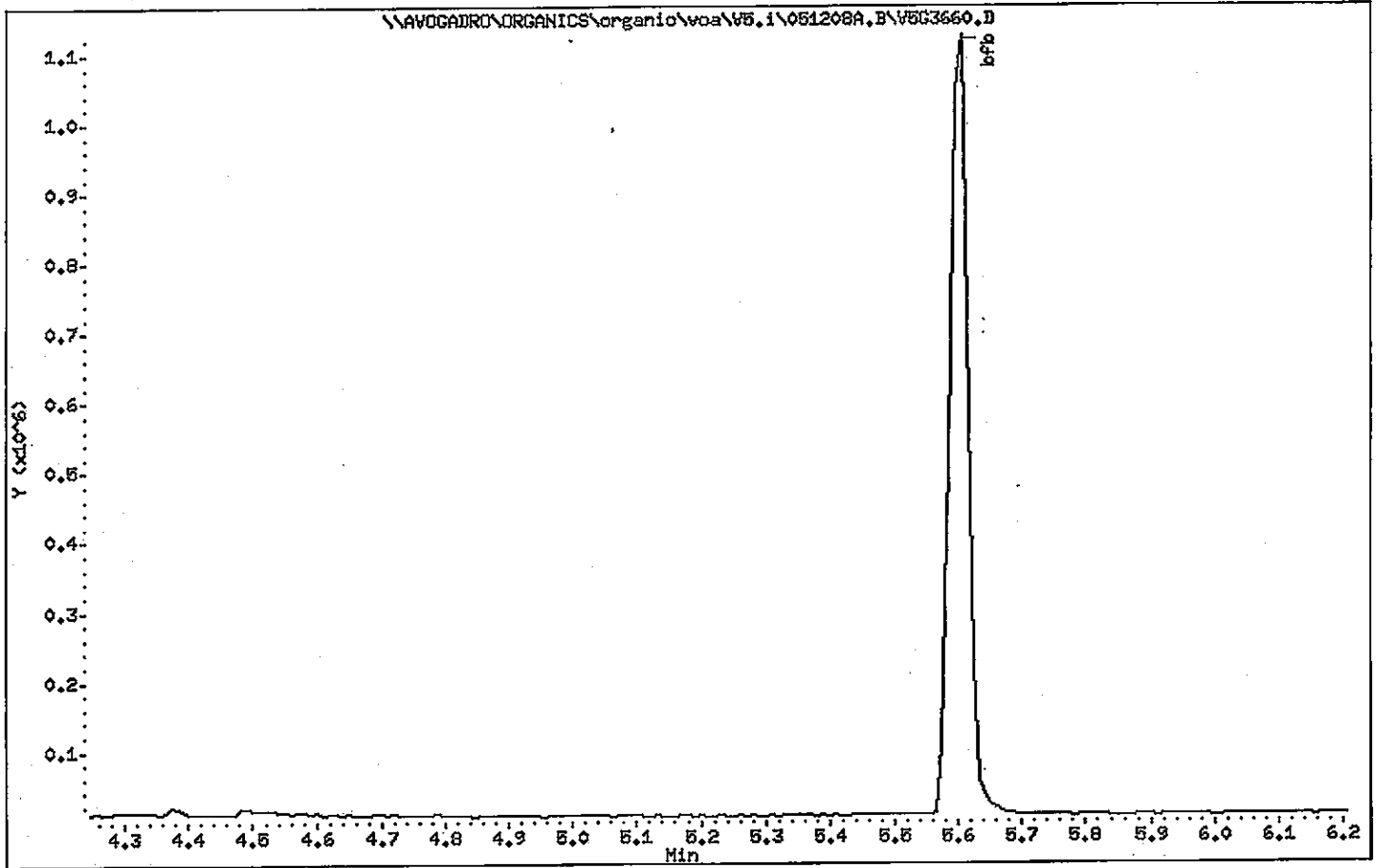
Instrument: v5.1

Sample Info: 2UL,BFB6J,BFB6J

Operator: HZ

Column phase: DB-624

Column diameter: 0.25



Date : 09-DEC-2005 09:24

Client ID: BFB6K

Instrument: v5.1

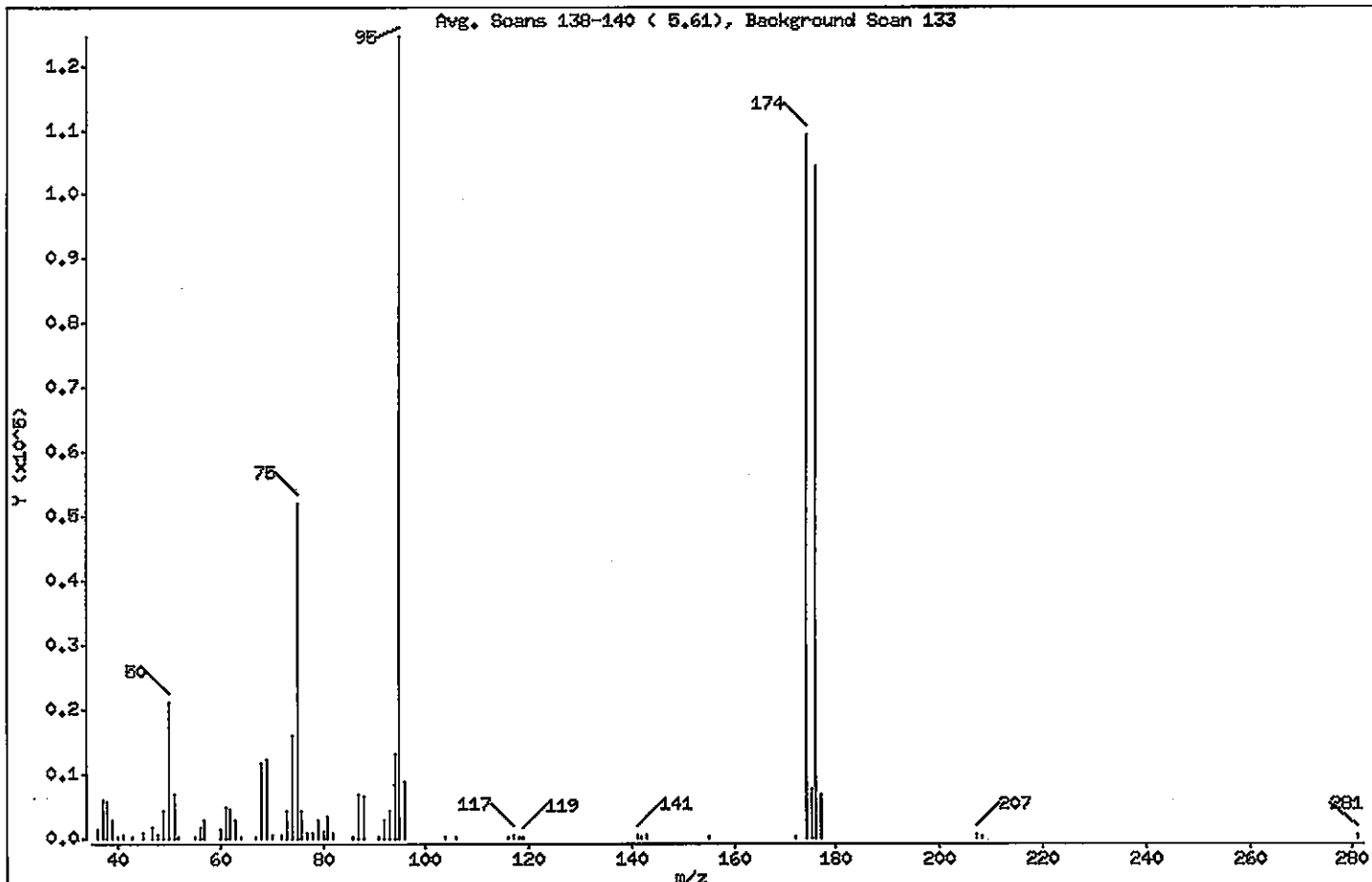
Sample Info: 2UL,BFB6K,BFB6K

Operator: 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	16.94
76	30.00 - 66.00% of mass 95	41.89
96	5.00 - 9.00% of mass 95	7.18
173	Less than 2.00% of mass 174	0.00 < 0.00
174	50.00 - 120.00% of mass 95	87.76
175	4.00 - 9.00% of mass 174	6.14 < 7.00
176	93.00 - 101.00% of mass 174	83.95 < 95.66
177	5.00 - 9.00% of mass 176	5.58 < 6.65

Date : 09-DEC-2005 09:24

Client ID: BFB6K

Instrument: v5.i

Sample Info: 2UL,BFB6K,BFB6K

Operator: HZ

Column phase: DB-624

Column diameter: 0.25

Data File: 563670.D

Spectrum: Avg. Scans 138-140 ( 5.61 ), Background Scan 133

Location of Maximum: 95.00

Number of points: 64

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1340	60.00	1294	80.00	1097	119.00	287
37.00	5905	61.00	4776	81.00	3479	141.00	682
38.00	5740	62.00	4453	82.00	840	142.00	216
39.00	2829	63.00	2778	86.00	176	143.00	612
40.00	149	64.00	167	87.00	6870	155.00	178
41.00	590	67.00	295	88.00	6564	172.00	388
43.00	344	68.00	11819	91.00	414	174.00	109216
45.00	951	69.00	12420	92.00	2808	175.00	7643
47.00	1777	70.00	683	93.00	4210	176.00	104472
48.00	638	72.00	595	94.00	13151	177.00	6950
49.00	4403	73.00	4287	95.00	124448	207.00	707
50.00	21072	74.00	16157	96.00	8937	208.00	203
51.00	6756	75.00	52128	104.00	192	281.00	595
52.00	343	76.00	4289	106.00	426		
55.00	401	77.00	997	116.00	210		
56.00	1630	78.00	896	117.00	441		
57.00	2949	79.00	2955	118.00	240		

Date : 09-DEC-2005 09:24

Client ID: BFB5K

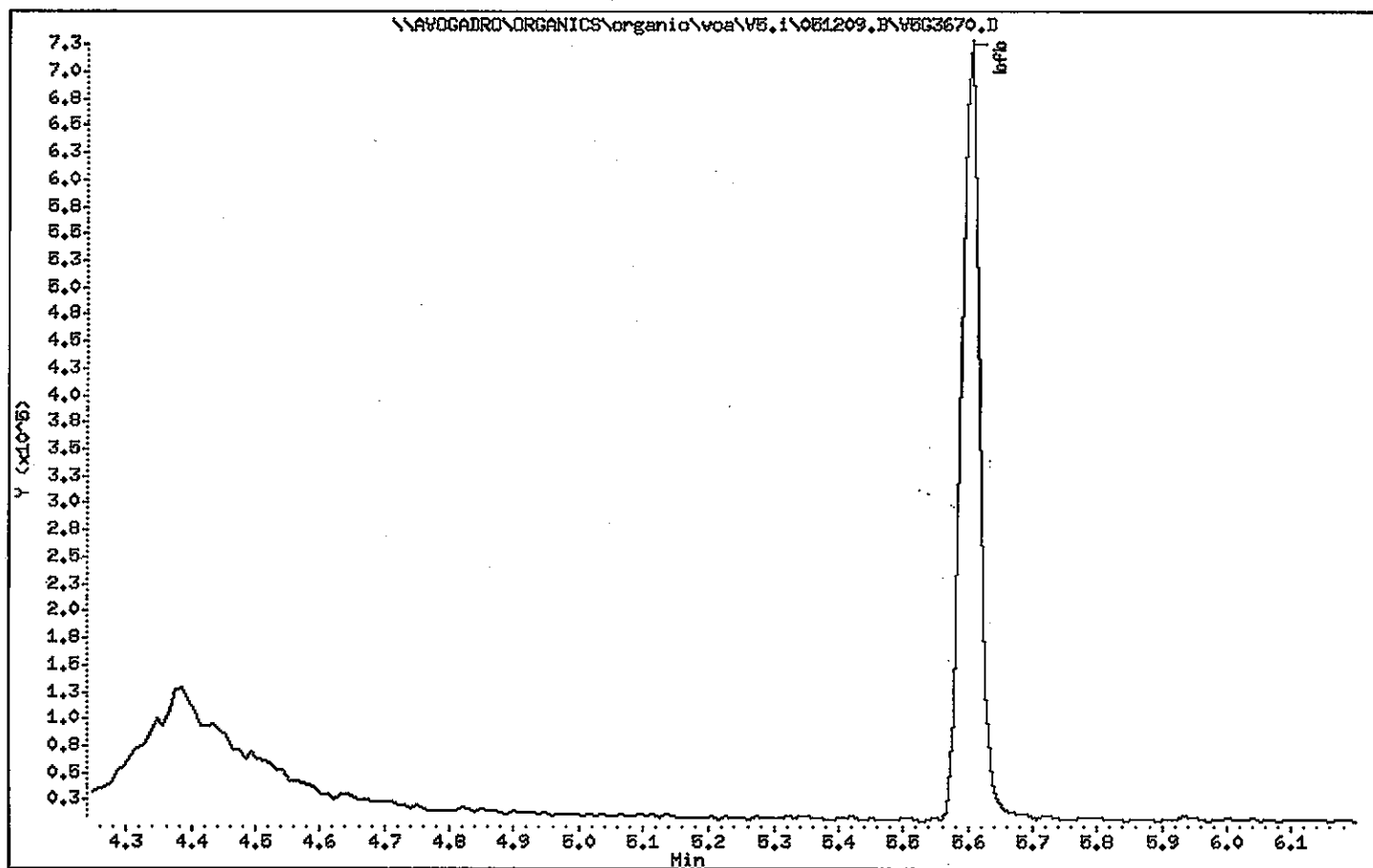
Instrument: v5.1

Sample Info: 2UL,BFB5K,BFB5K

Operator: HZ

Column phase: DB-624

Column diameter: 0.25





1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5K

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: MB-21333

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5G3672

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	2	J
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.

VBLK5K

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: MB-21333

Sample wt/vol: 5.0(g/mL) G Lab File ID: V5G3672

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

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

1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK5K

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: MB-21333

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5G3672

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.83	6	J
2.				
3.				
4.				
5.				
6.				
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25.				
26.				
27.				
28.				
29.				
30.				

Data File: \\AQDGADRO\ORGANICS\organo\voa\VB.i\061209.BA\VE3672.D

Date: 09-DEC-2006 10:16

Client ID: VB1K6K

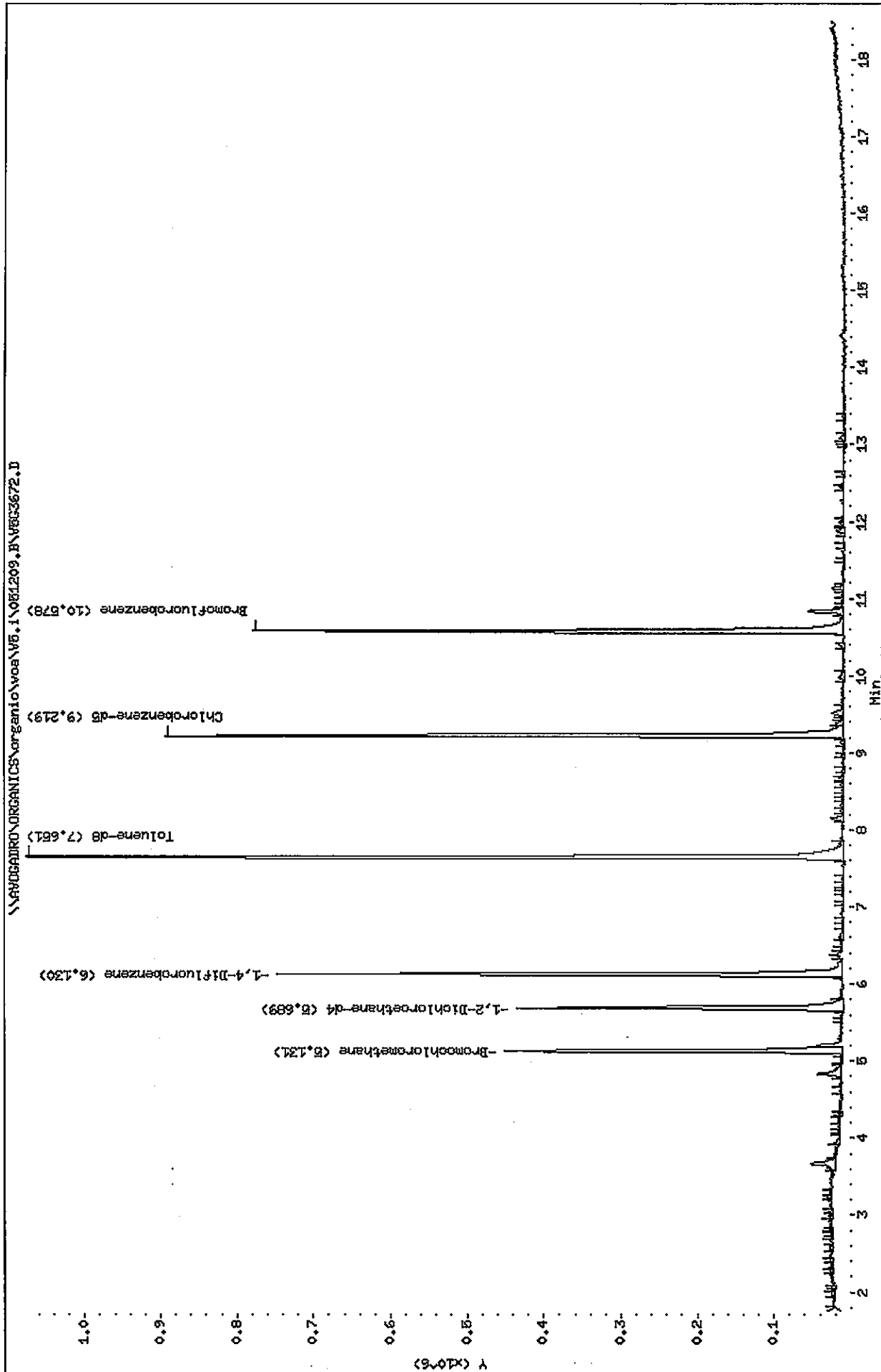
Sample Info: Em1,MB-24333,VB1K6K,24333

Instrument: v6.i

Operator: HZ SRC: LIMS

Column diameter: 0.26

Column phase: DB-624



Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3672.D  
 Lab Smp Id: MB-21333 Client Smp ID: VBLK5K  
 Inj Date : 09-DEC-2005 10:16  
 Operator : HZ SRC: LIMS Inst ID: v5.i  
 Smp Info : 5ml,MB-21333,VBLK5K,21333  
 Misc Info : ,3  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\v5c1p4h.m  
 Meth Date : 14-Dec-2005 11:05 mt1 Quant Type: ISTD  
 Cal Date : 09-DEC-2005 09:43 Cal File: V5G3671.D  
 Als bottle: 2 QC Sample: BLANK  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET3

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN ( ug/L)	FINAL (ug/Kg)
12 Methylene Chloride	84	3.656	3.667	(0.713)	19739	2.45220	2 (a)
* 18 Bromochloromethane	128	5.131	5.131	(1.000)	145602	50.0000	
\$ 23 1,2-Dichloroethane-d4	65	5.689	5.688	(1.109)	328956	50.8769	51
* 26 1,4-Difluorobenzene	114	6.130	6.129	(1.000)	746968	50.0000	
\$ 33 Toluene-d8	98	7.651	7.639	(0.830)	956049	47.4865	47
* 42 Chlorobenzene-d5	117	9.219	9.218	(1.000)	647146	50.0000	
\$ 50 Bromofluorobenzene	95	10.578	10.577	(1.147)	361276	45.1081	45

QC Flag Legend

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

SB  
 12/14/05

Mitkem Corporation

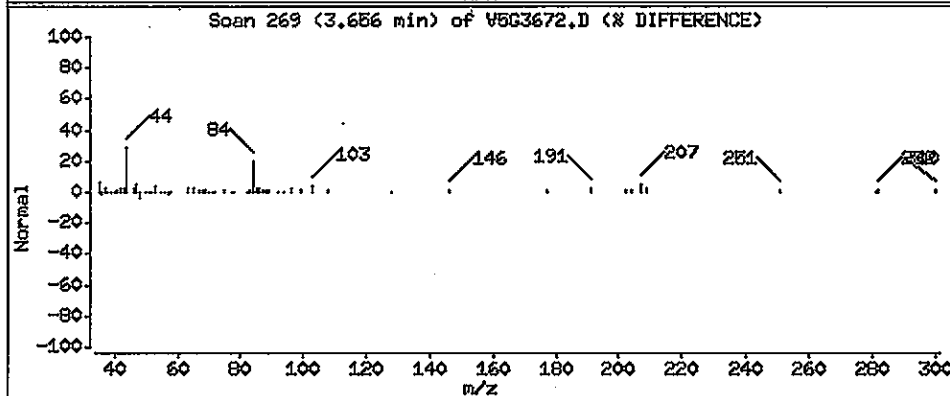
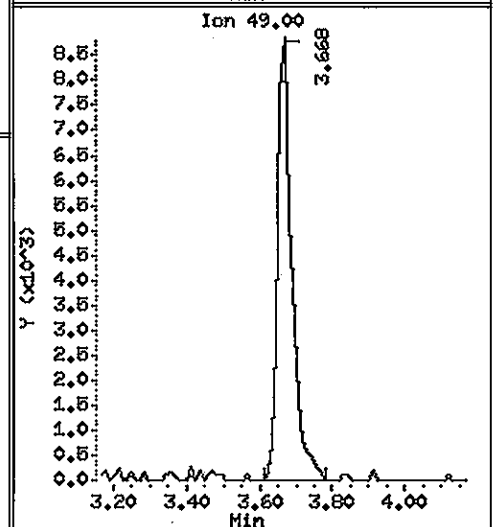
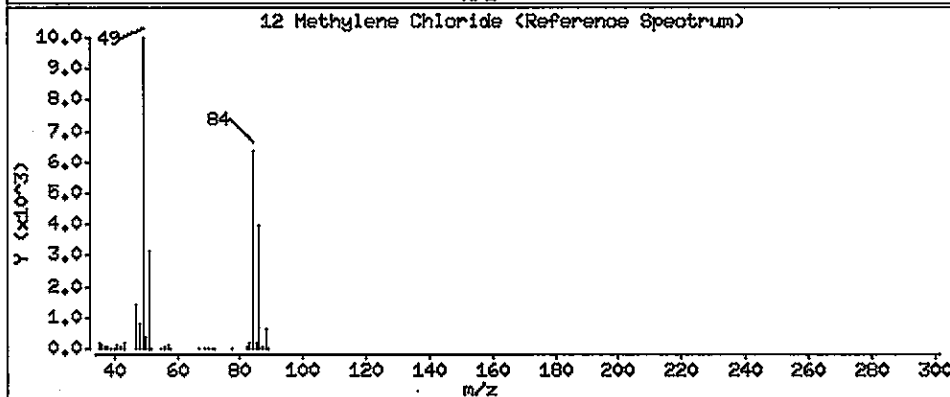
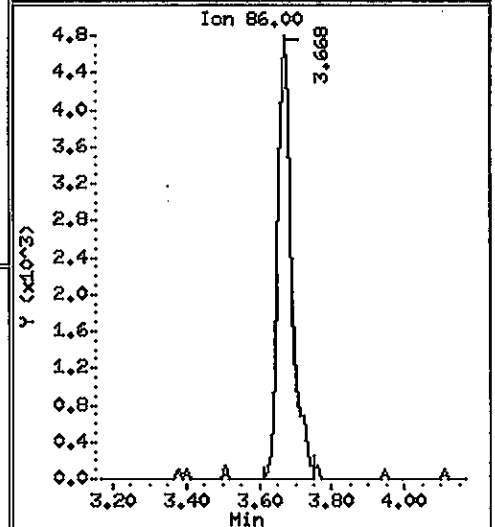
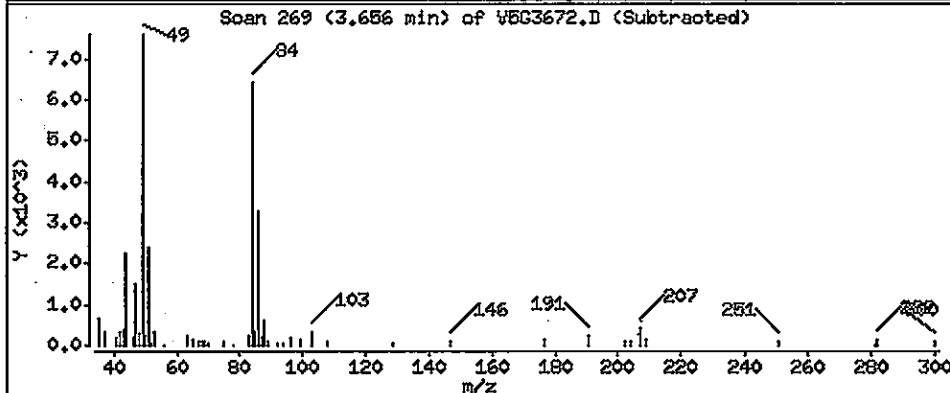
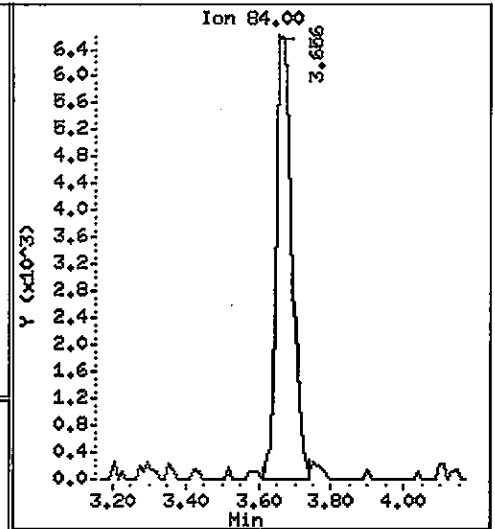
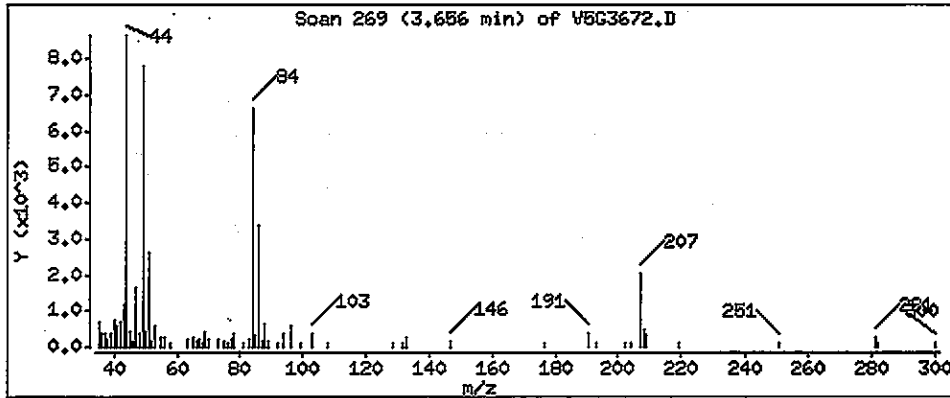
CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\v5.i\051209.B\V5G3672.D  
 Lab Smp Id: MB-21333 Client Smp ID: VBLK5K  
 Inj Date : 09-DEC-2005 10:16  
 Operator : HZ SRC: LIMS Inst ID: v5.i  
 Smp Info : 5ml,MB-21333,VBLK5K,21333  
 Misc Info : ,3  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\v5.i\051209.B\v5clp4h.m  
 Meth Date : 14-Dec-2005 11:05 mt1 Quant Type: ISTD  
 Cal Date : 09-DEC-2005 09:43 Cal File: V5G3671.D  
 Als bottle: 2 QC Sample: BLANK  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET3

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

ISTD	RT	AREA	AMOUNT
=====	=====	=====	=====
* 18 Bromochloromethane	5.131	1041516	50.000

RT	CONCENTRATIONS			QUAL	QUANT		
	AREA	ON-COL( ug/L)	FINAL(ug/Kg)		LIBRARY	LIB ENTRY	CPND #
====	====	=====	=====	====	=====	=====	=====
Unknown				CAS #:			
4.829	117954	5.66261104	6	0		0	18



Data File: \\AVOGADRO\ORGANICS\organic\woa\05.i\051209.B\05G3672.D

Date : 09-DEC-2005 10:16

Client ID: VBLK5K

Instrument: v5.i

Sample Info: 5ml,MB-21333,VBLK5K,21333

Operator: HZ SRC: LIMS

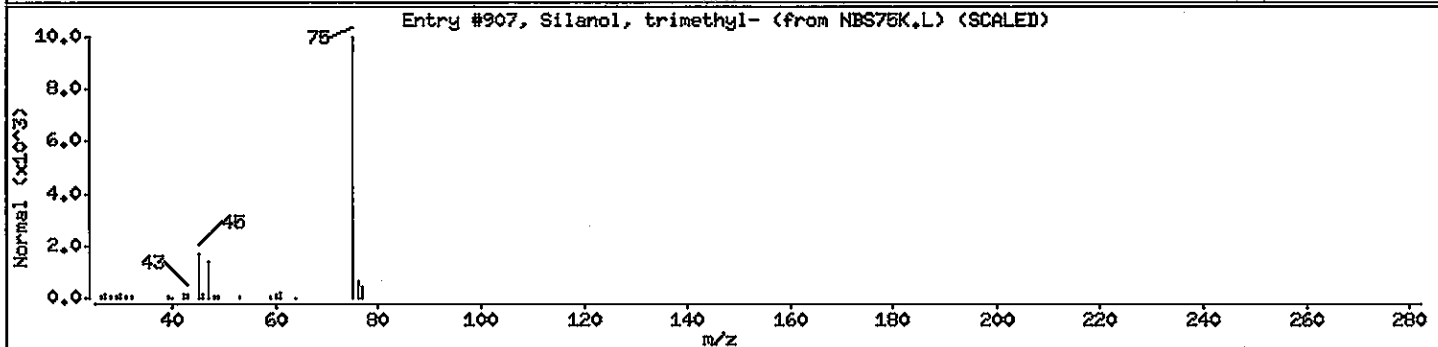
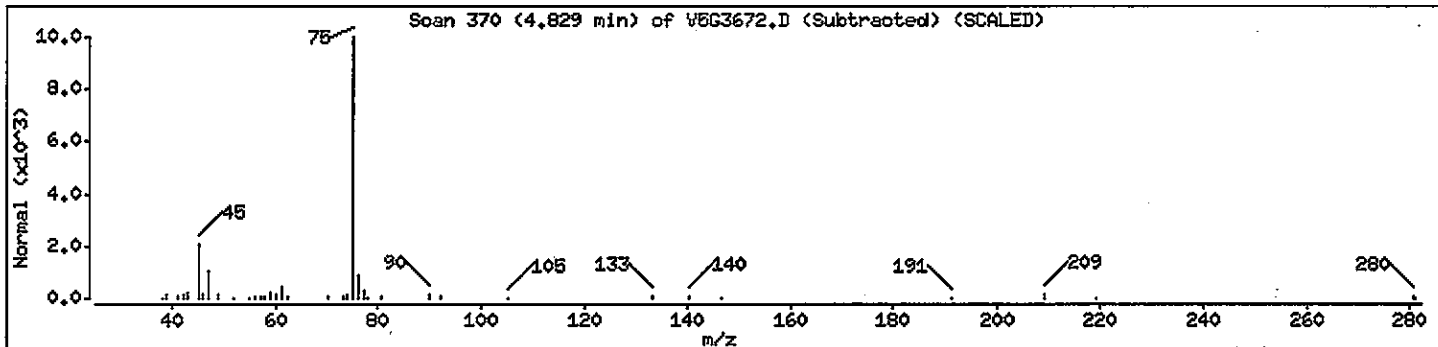
Column phase: DB-624

Column diameter: 0.25

Library Search Compound Match

CAS Number	Library	Entry	Quality	Formula	Weight
Unknown					
1066-40-6	NBS75K.L	907	72	C3H10OSi	90

Silanol, trimethyl-





1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5K

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: VHBLK5K

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5G3692

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

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

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5K

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: VHBLK5K

Sample wt/vol: 5.0(g/mL) G Lab File ID: V5G3692

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

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

1F  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK5K

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: VHBLK5K

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5G3692

Level: (low/med) LOW Date Received: 12/02/05

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

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

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

Data File: \\AVOCARD\ORGANICS\organi\voa\W5.1\081209.B\VEG3692.D

Date: 09-DEC-2006 20:41

Client ID: VHBLK6K

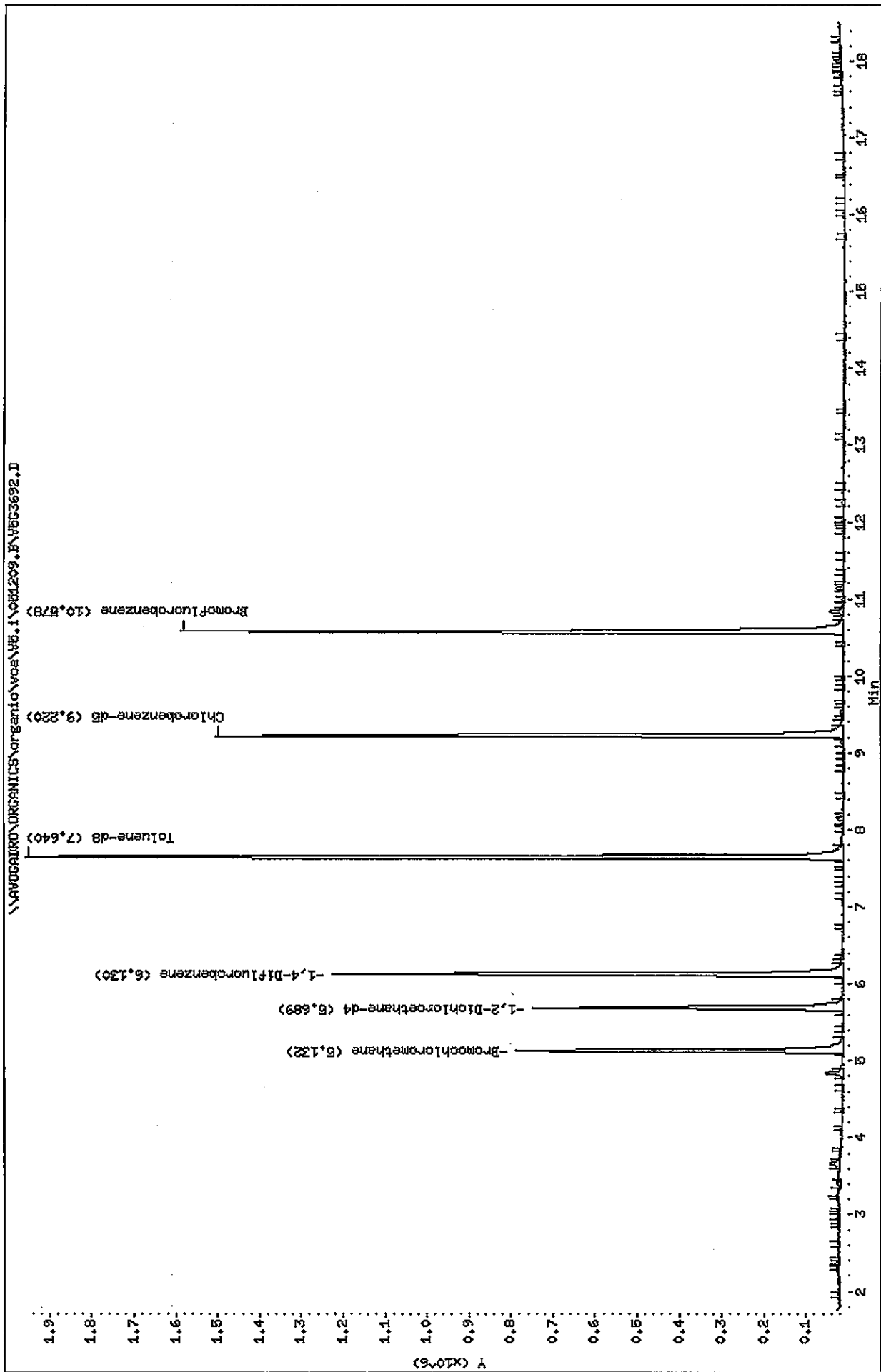
Sample Info: 5ml,VHBLK6K,VHBLK6K,21333

Column phase: DB-624

Instrument: v5.1

Operator: HZ SRC: HZ

Column diameter: 0.25



Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3692.D  
 Lab Smp Id: VHBLK5K Client Smp ID: VHBLK5K  
 Inj Date : 09-DEC-2005 20:41  
 Operator : HZ SRC: HZ Inst ID: v5.i  
 Smp Info : 5ml, VHBLK5K, VHBLK5K, 21333  
 Misc Info :  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\v5clp4h.m  
 Meth Date : 14-Dec-2005 11:05 mtl Quant Type: ISTD  
 Cal Date : 09-DEC-2005 09:43 Cal File: V5G3671.D  
 Als bottle: 22 QC Sample: STORAGEBLANK  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET3

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

Name	Value	Description
DF	1.000	Dilution Factor
UF	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

Compounds	QUANT SIG				CONCENTRATIONS		
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL (ug/Kg)
* 18 Bromochloromethane	128	5.132	5.131	(1.000)	258070	50.0000	
\$ 23 1,2-Dichloroethane-d4	65	5.689	5.688	(1.109)	574567	50.1364	50
* 26 1,4-Difluorobenzene	114	6.130	6.129	(1.000)	1282568	50.0000	
\$ 33 Toluene-d8	98	7.640	7.639	(0.829)	1663112	48.2247	48
* 42 Chlorobenzene-d5	117	9.220	9.218	(1.000)	1108521	50.0000	
\$ 50 Bromofluorobenzene	95	10.578	10.577	(1.147)	733471	53.4635	53

SB  
12/14/05

Data File: \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3692.D  
Report Date: 14-Dec-2005 11:13

Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3692.D  
Lab Smp Id: VHBLK5K Client Smp ID: VHBLK5K  
Inj Date : 09-DEC-2005 20:41  
Operator : HZ SRC: HZ Inst ID: v5.i  
Smp Info : 5ml, VHBLK5K, VHBLK5K, 21333  
Misc Info :  
Comment :  
Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\v5clp4h.m  
Meth Date : 14-Dec-2005 11:05 mtl Quant Type: ISTD  
Cal Date : 09-DEC-2005 09:43 Cal File: V5G3671.D  
Als bottle: 22 QC Sample: STORAGEBLANK  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: CLP4.sub  
Target Version: 4.03  
Processing Host: TARGET3

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5KLCS

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: LCS-21333

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5G3673

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	39	
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	42	
107-06-2	1,2-Dichloroethane	10	U

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5KLCS

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: LCS-21333

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5G3673

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	43	
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	43	
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	46	
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: \\AVOCARDRO\ORGANICS\organio\voa\W5.1\061209\_B\W5C3673.D

Date : 09-DEC-2005 10:50

Client ID: W5K1CS

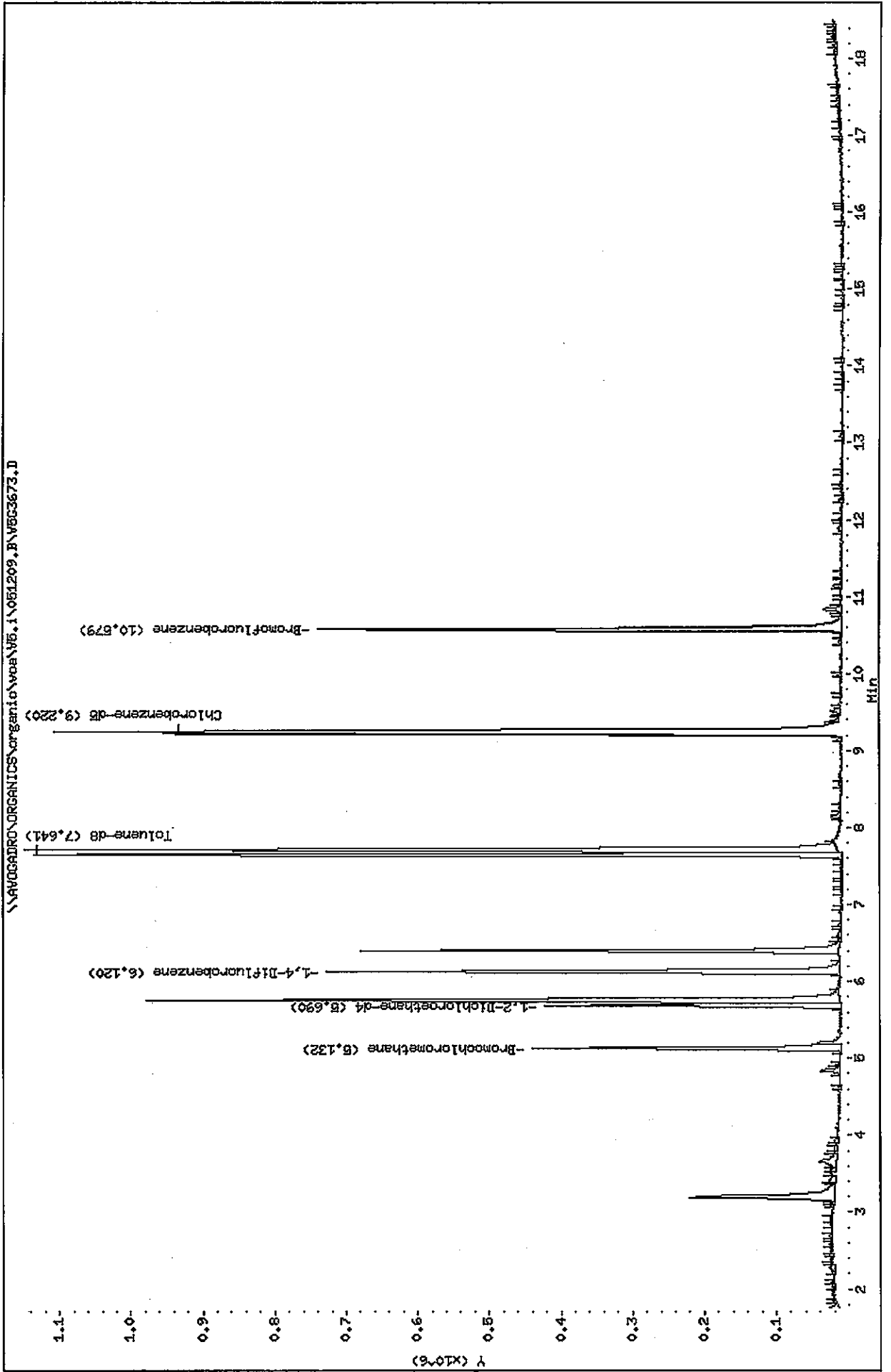
Sample Info: Em1.LCS-21333, W5K1CS, 21333

Column phase: DB-624

Instrument: W5.1

Operator: HZ SRC: LIMS

Column diameter: 0.25



Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3673.D  
 Lab Smp Id: LCS-21333 Client Smp ID: V5KLCS  
 Inj Date : 09-DEC-2005 10:50  
 Operator : HZ SRC: LIMS Inst ID: v5.i  
 Smp Info : 5ml,LCS-21333,V5KLCS,21333  
 Misc Info : ,3,,LCS  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\v5clp4h.m  
 Meth Date : 14-Dec-2005 11:05 mt1 Quant Type: ISTD  
 Cal Date : 09-DEC-2005 09:43 Cal File: V5G3671.D  
 Als bottle: 3 QC Sample: LCS  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET3

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	5.000	Weight of sample (g)
M	0.000	% Moisture (not decanted)

Compounds	QUANT SIG				CONCENTRATIONS		
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL (ug/Kg)
7 1,1-Dichloroethene	96	3.193	3.203	(0.622)	123637	39.0811	39
* 18 Bromochloromethane	128	5.132	5.131	(1.000)	145291	50.0000	
\$ 23 1,2-Dichloroethane-d4	65	5.690	5.688	(1.109)	318137	49.3089	49
25 Benzene	78	5.760	5.758	(0.939)	1072167	42.0916	42
* 26 1,4-Difluorobenzene	114	6.131	6.129	(1.000)	734096	50.0000	
27 Trichloroethene	130	6.398	6.396	(1.044)	267033	42.7918	43
\$ 33 Toluene-d8	98	7.641	7.639	(0.829)	941626	48.1630	48
34 Toluene	91	7.710	7.709	(0.836)	1073638	43.1940	43
* 42 Chlorobenzene-d5	117	9.220	9.218	(1.000)	628431	50.0000	
43 Chlorobenzene	112	9.255	9.253	(1.004)	692400	45.8513	46
\$ 50 Bromofluorobenzene	95	10.579	10.577	(1.147)	348593	44.8208	45

SB  
12/14/05

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD02-S-OMS

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-06BMS

Sample wt/vol: 8.6(g/mL) G Lab File ID: V5G3675

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 24 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
75-71-8	Dichlorodifluoromethane	8	U
74-87-3	Chloromethane	8	U
75-01-4	Vinyl Chloride	8	U
74-83-9	Bromomethane	8	U
75-00-3	Chloroethane	8	U
75-69-4	Trichlorofluoromethane	8	U
75-35-4	1,1-Dichloroethene	32	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	8	U
67-64-1	Acetone	8	U
75-15-0	Carbon Disulfide	8	U
79-20-9	Methyl Acetate	8	U
75-09-2	Methylene Chloride	8	U
156-60-5	trans-1,2-Dichloroethene	8	U
1634-04-4	Methyl tert-Butyl Ether	8	U
75-34-3	1,1-Dichloroethane	8	U
156-59-2	cis-1,2-Dichloroethene	8	U
78-93-3	2-Butanone	8	U
67-66-3	Chloroform	8	U
71-55-6	1,1,1-Trichloroethane	8	U
110-82-7	Cyclohexane	8	U
56-23-5	Carbon Tetrachloride	8	U
71-43-2	Benzene	38	
107-06-2	1,2-Dichloroethane	8	U

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD02-S-OMS

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-06BMS

Sample wt/vol: 8.6 (g/mL) G Lab File ID: V5G3675

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 24 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
79-01-6	Trichloroethene	37
108-87-2	Methylcyclohexane	8 U
78-87-5	1,2-Dichloropropane	8 U
75-27-4	Bromodichloromethane	8 U
10061-01-5	cis-1,3-Dichloropropene	8 U
108-10-1	4-Methyl-2-Pentanone	8 U
108-88-3	Toluene	38
10061-02-6	trans-1,3-Dichloropropene	8 U
79-00-5	1,1,2-Trichloroethane	8 U
127-18-4	Tetrachloroethene	8 U
591-78-6	2-Hexanone	8 U
124-48-1	Dibromochloromethane	8 U
106-93-4	1,2-Dibromoethane	8 U
108-90-7	Chlorobenzene	39
100-41-4	Ethylbenzene	8 U
1330-20-7	Xylene (Total)	8 U
100-42-5	Styrene	8 U
75-25-2	Bromoform	8 U
98-82-8	Isopropylbenzene	8 U
79-34-5	1,1,2,2-Tetrachloroethane	8 U
541-73-1	1,3-Dichlorobenzene	8 U
106-46-7	1,4-Dichlorobenzene	8 U
95-50-1	1,2-Dichlorobenzene	8 U
96-12-8	1,2-Dibromo-3-chloropropane	8 U
120-82-1	1,2,4-Trichlorobenzene	8 U

Data File: \\AVOCARDU\ORGANICS\voa\VE.1\081209.B\VEG3676.D

Date: 09-DEC-2005 12:19

Client ID: SD02-S-0MS

Sample Info: Em1, J1453-06BMS,,21333

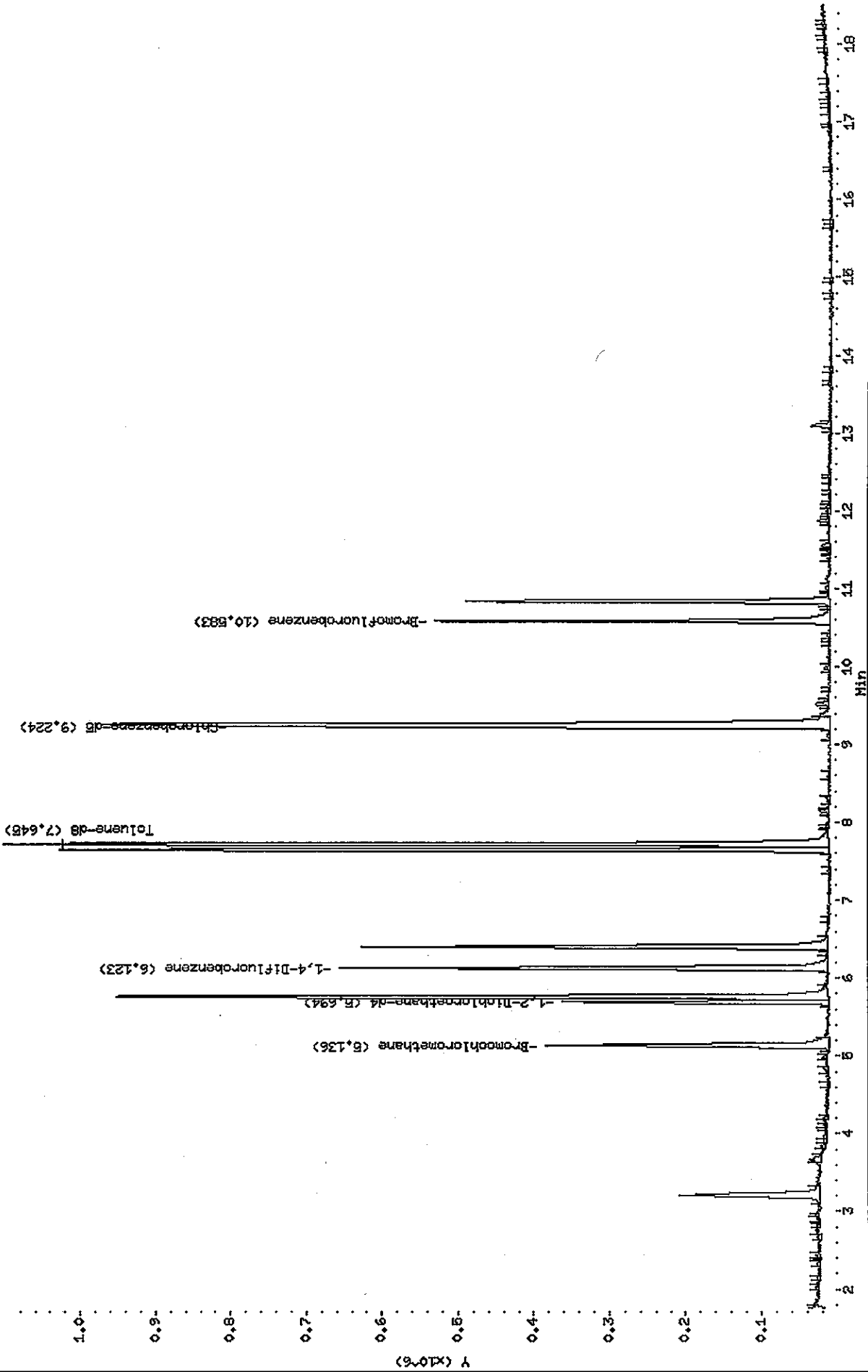
Column phase: DB-624

Instrument: v5.i

Operator: HZ SRC: LIMS

Column diameter: 0.25

\\AVOCARDU\ORGANICS\voa\VE.1\081209.B\VEG3676.D



Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3675.D  
 Lab Smp Id: D1453-06BMS Client Smp ID: SD02-S-OMS  
 Inj Date : 09-DEC-2005 12:19  
 Operator : HZ SRC: LIMS Inst ID: v5.i  
 Smp Info : 5ml,D1453-06BMS,,21333  
 Misc Info :  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\v5clp4h.m  
 Meth Date : 14-Dec-2005 11:05 mtl Quant Type: ISTD  
 Cal Date : 09-DEC-2005 09:43 Cal File: V5G3671.D  
 Als bottle: 5 QC Sample: MS  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET3

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	8.600	Weight of sample (g)
M	24.000	% Moisture (not decanted)

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL (ug/Kg)
7 1,1-Dichloroethene	96	3.208	3.203	(0.625)	120904	42.1150	32
* 18 Bromochloromethane	128	5.136	5.131	(1.000)	131844	50.0000	
\$ 23 1,2-Dichloroethane-d4	65	5.694	5.688	(1.109)	280841	47.9678	37
25 Benzene	78	5.763	5.758	(0.941)	1076969	49.3597	38
* 26 1,4-Difluorobenzene	114	6.123	6.129	(1.000)	628806	50.0000	
27 Trichloroethene	130	6.402	6.396	(1.046)	255296	47.7613	37
\$ 33 Toluene-d8	98	7.644	7.639	(0.829)	776952	49.2473	38
34 Toluene	91	7.714	7.709	(0.836)	1002052	49.9586	38
* 42 Chlorobenzene-d5	117	9.224	9.218	(1.000)	507112	50.0000	
43 Chlorobenzene	112	9.259	9.253	(1.004)	626458	51.4091	39
\$ 50 Bromofluorobenzene	95	10.571	10.577	(1.146)	256403	40.8543	31

SB  
12/14/05

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD02-S-OMSD

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-06BMSD

Sample wt/vol: 9.3 (g/mL) G Lab File ID: V5G3676

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 24 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
75-71-8	Dichlorodifluoromethane	7	U
74-87-3	Chloromethane	7	U
75-01-4	Vinyl Chloride	7	U
74-83-9	Bromomethane	7	U
75-00-3	Chloroethane	7	U
75-69-4	Trichlorofluoromethane	7	U
75-35-4	1,1-Dichloroethene	30	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7	U
67-64-1	Acetone	7	U
75-15-0	Carbon Disulfide	7	U
79-20-9	Methyl Acetate	7	U
75-09-2	Methylene Chloride	7	U
156-60-5	trans-1,2-Dichloroethene	7	U
1634-04-4	Methyl tert-Butyl Ether	7	U
75-34-3	1,1-Dichloroethane	7	U
156-59-2	cis-1,2-Dichloroethene	7	U
78-93-3	2-Butanone	7	U
67-66-3	Chloroform	7	U
71-55-6	1,1,1-Trichloroethane	7	U
110-82-7	Cyclohexane	7	U
56-23-5	Carbon Tetrachloride	7	U
71-43-2	Benzene	34	
107-06-2	1,2-Dichloroethane	7	U

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD02-S-OMSD

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MD1453

Matrix: (soil/water) SOIL Lab Sample ID: D1453-06BMSD

Sample wt/vol: 9.3 (g/mL) G Lab File ID: V5G3676

Level: (low/med) LOW Date Received: 12/03/05

% Moisture: not dec. 24 Date Analyzed: 12/09/05

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

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>	Q
79-01-6	Trichloroethene	32	
108-87-2	Methylcyclohexane	7	U
78-87-5	1,2-Dichloropropane	7	U
75-27-4	Bromodichloromethane	7	U
10061-01-5	cis-1,3-Dichloropropene	7	U
108-10-1	4-Methyl-2-Pentanone	7	U
108-88-3	Toluene	34	
10061-02-6	trans-1,3-Dichloropropene	7	U
79-00-5	1,1,2-Trichloroethane	7	U
127-18-4	Tetrachloroethene	7	U
591-78-6	2-Hexanone	7	U
124-48-1	Dibromochloromethane	7	U
106-93-4	1,2-Dibromoethane	7	U
108-90-7	Chlorobenzene	33	
100-41-4	Ethylbenzene	7	U
1330-20-7	Xylene (Total)	7	U
100-42-5	Styrene	7	U
75-25-2	Bromoform	7	U
98-82-8	Isopropylbenzene	7	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
541-73-1	1,3-Dichlorobenzene	7	U
106-46-7	1,4-Dichlorobenzene	7	U
95-50-1	1,2-Dichlorobenzene	7	U
96-12-8	1,2-Dibromo-3-chloropropane	7	U
120-82-1	1,2,4-Trichlorobenzene	7	U



Data File: \\AVOCARD\ORGANICS\organo\vea\051\051209.P\VEG3676.D

Date: 09-DEC-2006 12:49

Client ID: SD02-8-0MSD

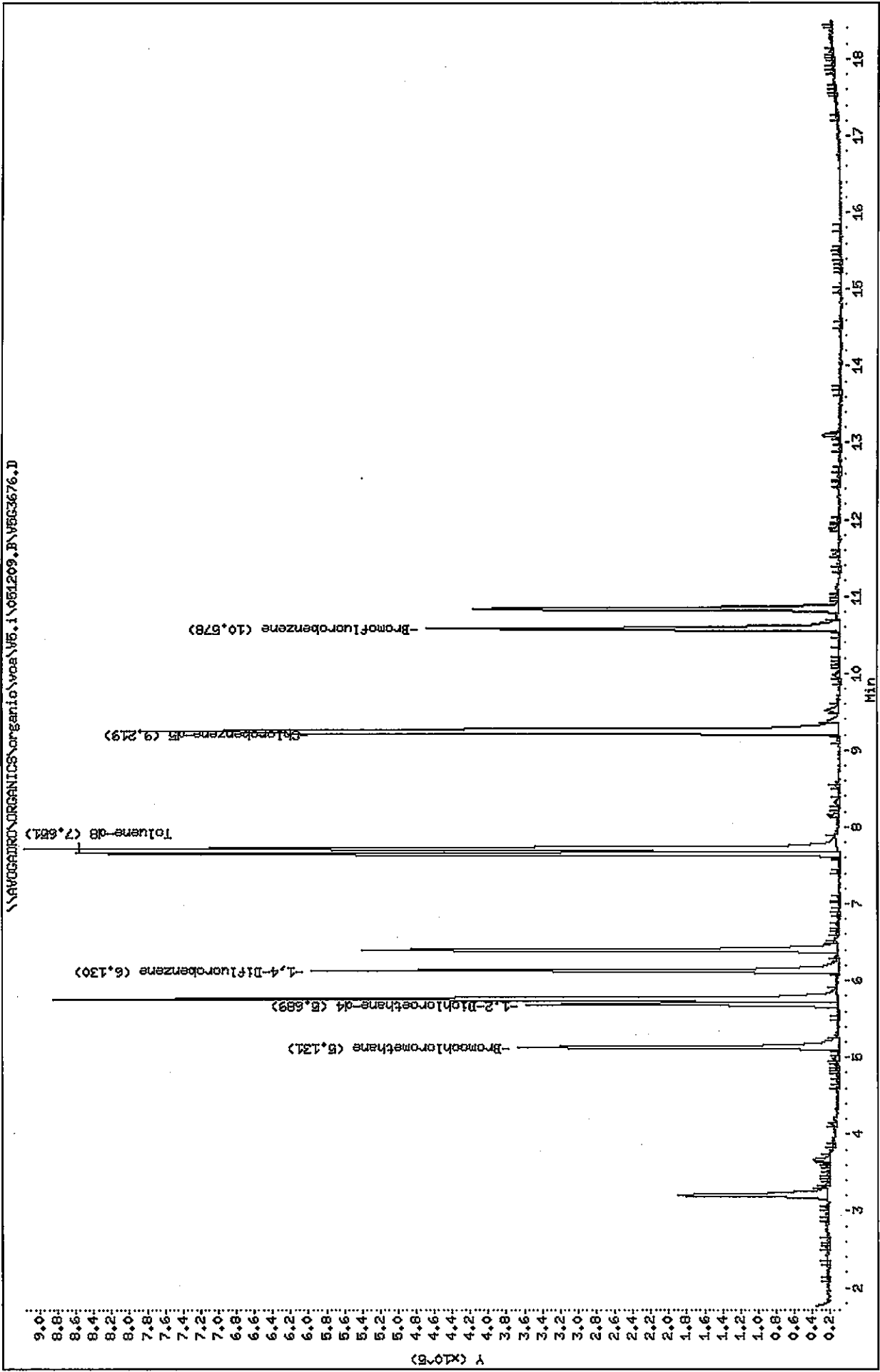
Sample Info: 5ml.D1453-06MSD,,21333

Column phase: DB-624

Instrument: v5.i

Operator: HZ SRC: LIMS

Column diameter: 0.25



Mitkem Corporation

CLP OLM 3/4.X / ASP 95-1 Low Soil - Heated Purge  
 Data file : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\V5G3676.D  
 Lab Smp Id: D1453-06BMSD Client Smp ID: SD02-S-OMSD  
 Inj Date : 09-DEC-2005 12:49  
 Operator : HZ SRC: LIMS Inst ID: v5.i  
 Smp Info : 5ml,D1453-06BMSD,,21333  
 Misc Info :  
 Comment :  
 Method : \\AVOGADRO\ORGANICS\organic\voa\V5.i\051209.B\v5clp4h.m  
 Meth Date : 14-Dec-2005 11:05 mtl Quant Type: ISTD  
 Cal Date : 09-DEC-2005 09:43 Cal File: V5G3671.D  
 Als bottle: 6 QC Sample: MSD  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: CLP4.sub  
 Target Version: 4.03  
 Processing Host: TARGET3

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Ws	9.300	Weight of sample (g)
M	/24.000	% Moisture (not decanted)

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN ( ug/L)	FINAL (ug/Kg)
7 1,1-Dichloroethene		96	3.204	3.203	(0.624)	108124	42.3983	30
* 18 Bromochloromethane		128	5.131	5.131	(1.000)	117120	50.0000	
\$ 23 1,2-Dichloroethane-d4		65	5.689	5.688	(1.109)	264041	50.7680	36
25 Benzene		78	5.758	5.758	(0.939)	924815	47.7255	34
* 26 1,4-Difluorobenzene		114	6.130	6.129	(1.000)	558457	50.0000	
27 Trichloroethene		130	6.397	6.396	(1.044)	214657	45.2173	32
\$ 33 Toluene-d8		98	7.651	7.639	(0.830)	730784	53.5000	38
34 Toluene		91	7.721	7.709	(0.838)	840990	48.4269	34
* 42 Chlorobenzene-d5		117	9.219	9.218	(1.000)	439064	50.0000	
43 Chlorobenzene		112	9.254	9.253	(1.004)	494952	46.9124	33
\$ 50 Bromofluorobenzene		95	10.578	10.577	(1.147)	215669	39.6897	28

SB  
12/14/05

DATE: 12/08/05

INSTRUMENT V5  
INJECTION LOG

MITKEM CORPORATION  
VOLATILES LABORATORY

METHOD: OLM - Low  
INITIAL CAL: 12/08/05  
COMMENTS:

CAL ID: VW051206B-ZS  
IS/SS ID: VW051206F-STD  
VW051206C-SS

ANALYST: HZ  
ARCHIVE:

AS	FILE	MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
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Injection Log

Directory: O:\ORGANIC\VOA\V5.I\051208A.B

Vial	FileName	Multiplier	SampleName	Misc Info	Injected
100	V5g3660.d	1.	2UL,BFB5J,BFB5J <i>OK</i>		
1	V5g3661.d	1.	5ml,VSTD0505J,VSTD0505J	<i>ZCAL</i> .2	8 Dec 2005 15:16
3	V5g3663.d	1.	5ml,VSTD2005J,VSTD2005J	<i>OK</i> .1,5	8 Dec 2005 15:41
4	V5g3664.d	1.	5ml,VSTD1005J,VSTD1005J	.1,4	8 Dec 2005 16:41
5	V5g3665.d	1.	5ml,VSTD0205J,VSTD0205J	.1,2	8 Dec 2005 17:10
7	V5g3667.d	1.	5ml,VSTD0105J,VSTD0105J	.1,1	8 Dec 2005 17:40

-HZ 12/12/05

COPY

Original Documents Are Included in CSF  
Signed: \_\_\_\_\_ Date: \_\_\_\_\_

DATE: 12/09/05

INSTRUMENT V5  
INJECTION LOG

MITKEM CORPORATION  
VOLATILES LABORATORY

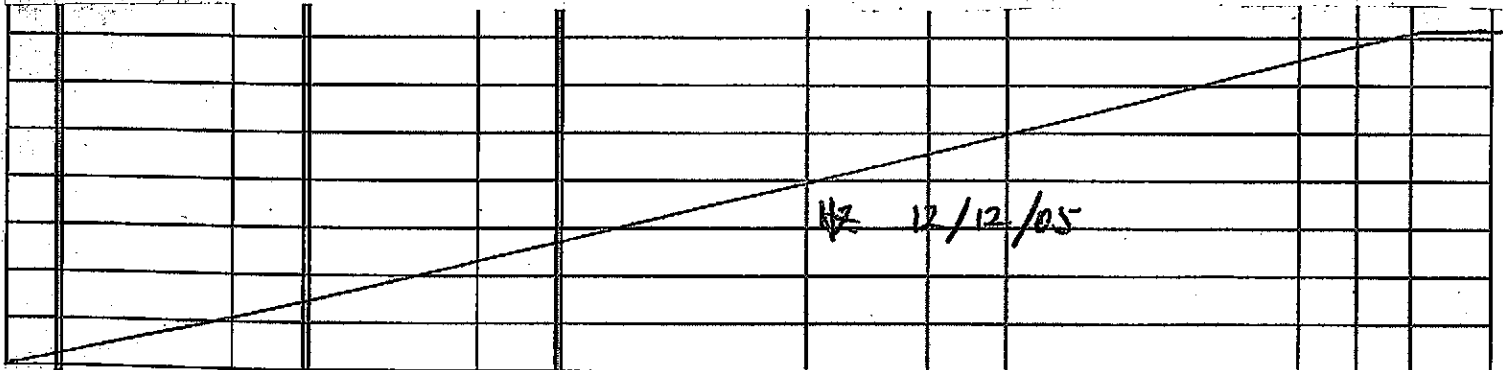
METHOD: *OLM43-low* CAL ID: *VW051206B-1S* ANALYST: *HZ*  
 INITIAL CAL: *12/08/05* IS/SS ID: *VW051206F-STD* ARCHIVE:  
*VW051206C-5S*  
 COMMENTS:

AS #	FILE	MITKEM ID	CLIENT ID	SAMPLE SIZE	DIL	COMMENTS	IS	SS	pH
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Injection Log

Directory: O:\ORGANIC\VOA\I\5.1\051209.B

Vial	FileName	Multiplier	SampleName	Misc Info	Injected
100	V5g3670.d	1.	2UL,BFB5K,BFB5K OK		9 Dec 2005 09:24 ✓
1	V5g3671.d	1.	5ml,VSTD0505K,VSTD0505K OK	,2	9 Dec 2005 09:43
2	V5g3672.d	1.	5ml,MB-21333,VBLK5K,21333 OK	,3	9 Dec 2005 10:16
3	V5g3673.d	1.	5ml,LCS-21333,V5KLCS,21333 OK	,3,,LCS	9 Dec 2005 10:50
4	V5g3674.d	1.	5ml,D1453-06B,,21333 OK		9 Dec 2005 11:49
5	V5g3675.d	1.	5ml,D1453-06BMS,,21333 OK		9 Dec 2005 12:19
6	V5g3676.d	1.	5ml,D1453-06BMSD,,21333 OK		9 Dec 2005 12:49
7	V5g3677.d	1.	5ml,D1453-01B,,21333 2S ✓ RR		9 Dec 2005 13:17
8	V5g3678.d	1.	5ml,D1453-02B,,21333 1S ✓ RR		9 Dec 2005 13:47
9	V5g3679.d	1.	5ml,D1453-03B,,21333 1S ✓ RR		9 Dec 2005 14:23
10	V5g3680.d	1.	5ml,D1453-05B,,21333 OK		9 Dec 2005 14:53
11	V5g3681.d	1.	5ml,D1453-04B,,21333 2S ✓ RR		9 Dec 2005 15:22
12	V5g3682.d	1.	5ml,D1453-07B,,21333 OK		9 Dec 2005 15:51
13	V5g3683.d	1.	5ml,D1453-08B,,21333 OK		9 Dec 2005 16:20
14	V5g3684.d	1.	5ml,D1453-01B,,21333 OK		9 Dec 2005 16:49
15	V5g3685.d	1.	5ml,D1453-02B,,21333 OK		9 Dec 2005 17:18
16	V5g3686.d	1.	5ml,D1453-03B,,21333 OK		9 Dec 2005 17:47
17	V5g3687.d	1.	5ml,D1453-04B,,21333 OK		9 Dec 2005 18:16
18	V5g3688.d	1.	5ml,D1467-02B,,21333 OK		9 Dec 2005 18:45
19	V5g3689.d	1.	5ml,D1504-01B,,21333 OK		9 Dec 2005 19:14
20	V5g3690.d	1.	5ml,D1504-02B,,21333 Acetone 320 RR 20g		9 Dec 2005 19:43
21	V5g3691.d	1.	5ml,D1467-01B,,21333 Acetone 18.98 RR		9 Dec 2005 20:12
22	V5g3692.d	1.	5ml,VHBLK5K,VHBLK5K,21333 OK		9 Dec 2005 20:41
23	V5g3693.d	1.	5ml,VHBLK5K,VHBLK5K,21333 OK		9 Dec 2005 21:10 ✓
24	V5g3694.d	1.	5ml,BLK		9 Dec 2005 21:39



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

Date	Lab ID	Analysis	Initial Wt. (g)	Final Wt. (g)	Sample Wt. (g)	Extraction Volume (mL)	Sample Type	Solvent / Lot #	Comments	Analyst
12/09/05	D1453-01B	0.2M	32.57	40.02	7.5	5	B	DI H2O		HZ
	02B		32.86	38.57	5.7					
	03B		32.92	39.88	6.70					
	04B		33.01	38.59	5.6					
	05B		32.00	38.37	6.4					
	06B		32.70	42.11	9.4					
	06BMS		32.94	41.50	8.6					
	06BMS		32.88	42.16	9.3					
	07B		32.66	40.76	8.1					
	08B		32.73	38.89	6.2					
	01B		33.04	39.51	6.5					
	02B		32.99	38.87	5.9					
	D1453-03B		32.54	39.99	7.5		B	DI H2O		
	D1467-01B		NA	N/A	5.0		E	H2O		
✓	D1467-02B	✓	✓	✓	4.9	✓	✓	✓		✓
12/09/05	D1504-01B	0.1M	N/A	N/A	4.9	5	E	H2O		HZ

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

Logbook ID: 90.0189-11/05

Reviewed By: SB 12/14/05

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

Date	Lab ID	Analysis	Initial Wt. (g)	Final Wt. (g)	Sample Wt. (g)	Extraction Volume (mL)	Sample Type	Solvent / Lot. #	Comments	Analyst
1/09/05	1504-02B	01M	N/A	4.9 NA	4.9	5	E	H2O		KZ
1/09/05	1453-04B	01M	32.98	38.53	5.5 ✓	5	B	DI H2O		KZ
1/10/05	D1467-01B	01M	N/A	N/A	5.2	5	E	H2O		KZ
	D1467-03B		↓	↓	5.2					
	D1504-02B		N/A	N/A	2.0 2.5					
	D1478-01A		↓	↓	4.7					
	02A		↓	↓	5.0					
	03A		↓	↓	5.0					
	04A		↓	↓	5.1					
	05A		↓	↓	5.4					
	06A		↓	↓	4.9					
	07A		↓	↓	5.1					
	08A		↓	↓	4.6					
	09A		↓	↓	4.9					
	10A		↓	↓	5.3					
1/10/05	D1478-11A	01M	N/A	N/A	5.0					

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

Logbook ID: 90.0189-11/05

Reviewed By: SB 12/14/05

# ***Percent Moisture and Percent Solids Report***

<b><i>Mitkem Sample ID</i></b>	<b><i>Client Sample ID</i></b>	<b><i>Analyzed</i></b>	<b><i>Percent Moisture</i></b>	<b><i>Percent Solids</i></b>	<b><i>Validated</i></b>
<i>D1453-01A</i>	<i>OTMI-SD01-S-O</i>	12/07/2005	45	55	Yes
<i>D1453-02A</i>	<i>OTMI-SD05-S-O</i>	12/07/2005	77	23	Yes
<i>D1453-03A</i>	<i>OTMI-SD08-S-O</i>	12/07/2005	27	73	Yes
<i>D1453-04A</i>	<i>OTMI-SD11-S-O</i>	12/07/2005	77	23	Yes
<i>D1453-05A</i>	<i>OTMI-SD05-S-D</i>	12/07/2005	76	24	Yes
<i>D1453-06A</i>	<i>OTMI-SD02-S-O</i>	12/07/2005	24	76	Yes
<i>D1453-07A</i>	<i>OTMI-SD12-S-O</i>	12/07/2005	34	66	Yes
<i>D1453-08A</i>	<i>OTMI-SD13-S-O</i>	12/07/2005	61	39	Yes

# MITKEM CORPORATION: VOLATILES RECEIVING LOGBOOK

VOA Log-In Date	Workorder	Client	Sample Numbers	Relinquished By	Comments
12/2/05	D1452	URS	01-08	(SB)	SOIL/ R4
	D1453	E+E	01-05		Freeze DI-H <sub>2</sub> O F4
	D1449	E+E	12-20		UNP/ R10
	D1454	E+E	01-04		UNP/ R10
	D1456	D+B	01-20	↓	UNP/ R9
	D1457	D+B	01-06	(SB)	UNP/ R9
✓	D1461	BEM	01-02	↓	HCL/ R4
12/2/05	D1463	Soluol	05	(SB)	HCL/ R4
12/3/05	D1433	RPA	-01B, 02B	DM	SOIL PE
12/5/05	D1465	D+B	01-11	(SB)	UNP/ R10
	D1466	Quast	01-04	↓	METH-SOIL R4
	D1467	D+B	01-03	↓	SOIL/ R4
	D1453	E+E	06-08	(SB)	Freeze DI H <sub>2</sub> O F4
	D1449	E+E	05		UNP/ R4
	D1454	E+E	05-09		UNP/ R4
	D1429	M+E	17, 18, (21) VIAL Broken		METH + DI H <sub>2</sub> O F13/R13
✓	D1473	Shaw	01-02	↓	HCL/ R10
12/5/05	D1474	Ensafe	01	(SB)	HCL/ R10



**Last Page of Data Report**