

REMEDIAL INVESTIGATION REPORT

Volume 2 of 2

*Mayer Landfill
Blooming Grove, New York
Work Assignment No. D-003970-01
NYSDEC Site No. 3-36-027*

16 March, 2001

Prepared for:

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
CONSERVATION**

Division of Environmental Remediation
Bureau of Eastern Remedial Action, Room 242
50 Wolf Road
Albany, New York 12233-7010

Prepared by:

ENVIRONMENTAL RESOURCES MANAGEMENT

175 Froehlich Farm Blvd.
Woodbury, New York 11747



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REMEDIATION INVESTIGATION REPORT

Volume 2 of 2

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CONSERVATION**

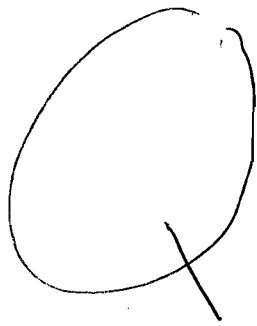
Division of Environmental Remediation
Bureau of Eastern Remedial Action, Room 242
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ENVIRONMENTAL RESOURCES MANAGEMENT

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**Data Validation Report
Mayer Landfill
Blooming Grove, New York
Analytical Laboratory: Mitkem Corporation
Sample Delivery Group SDG 70998**

Analytical results for the SDG's referenced below, from the Mayer Landfill were reviewed to evaluate the data quality. Data were assessed in accordance with the New York State Department of Environmental Conservation (NYSDEC) **Analytical Services Protocol** (10/95) and professional judgement. Where applicable data were validated following the United States Environmental Protection Agency (USEPA) **National Functional Guidelines for Organic Data Review** (October 1999), the United States Environmental Protection Agency (USEPA) **Laboratory Program National Functional Guidelines for Inorganic Data Review** (February 1994) and the USEPA Region II Evaluation of Metals Data (January 1992 HW-2 Revision 11).

This validation pertains to the following samples collected by Environmental Resources Management:

SDG 70998 Samples: SEEP 04, SEEP 03, SEEP 06, SEEP 05, SEEP 07, SEEP 08, SEEP 08F, SEEP-09, SEEP-10 FB062900, TB062900

The following items/criteria applicable to the samples listed above were reviewed:

Volatile and Semi-Volatile Data:

- Deliverable Requirements
- Case Narrative
- Holding Times and Sample Preparation
- System Monitoring Compound Recoveries
- Laboratory Control Sample (LCS) Data
- Blank Summary and Data
- GC/MS Tuning and Mass Calibration
- Target Compound Identification/Quantitation
- Quantitation Reports and Mass Spectral Data
- EPA/NIH Mass Spectral Library Search for TICs
- Initial and Continuing Calibration Data
- Internal Standard Areas and Retention Times

Pesticides/PCBs:

- Holding Times
- GC/ECD Instrument Performance Check
- Initial Calibration
- Calibration Verification

- Blanks
- Surrogate Spikes
- Matrix Spikes/Matrix Spike Duplicates
- Laboratory Control Samples/
- Pesticide Cleanup Checks
- Target Compound Identification
- Compound Quantitation and Reported Contract Required Quantitation Limits (CRQLs)

Inorganics:

- Holding Times
- Calibration
- Blanks
- ICP Interference Check Sample
- Laboratory Control Sample
- Duplicate Sample Analysis
- Spike Sample Analysis
- ICP Serial Dilution Analysis
- Graphite Furnace AA (where applicable)
- Field Duplicates

The above items were in compliance with USEPA NYSDEC ASP laboratory QC criteria with the exception of the items discussed in the following text. The data have been validated according to the above procedures.

ORGANIC DATA

VOLATILE DATA

Initial Calibration

The low standard (10 ug/L) for 2-butanone in the initial calibration associated with these samples was outside the retention time window and therefore was not included in the calculation of the relative response factor. All 2-butanone sample results (non-detects and results above the reporting limit) less than the next low standard (20 ug/L) has been flagged with a "J" as estimated.

Continuing Calibration

The continuing calibration percent difference for 1,1-dichloroethene (27.9%) was above the QC limit of 25%. NYSDEC allows up to two volatile compounds in the continuing calibration to exceed the 25% QC limit, provided the average percent recovery is less than 40%. Therefore, the continuing calibration is considered acceptable and no data were qualified.

SEMIVOLATILE DATA

LCS Control Sample

The percent recovery of 2,4-dinitrotoluene (98%) and 4-nitrophenol (99%) in the initial LCS sample were slightly above the respective upper QC limits. The sample was reanalyzed and the percent recovery of 4-nitrophenol (85%) remained slightly above the QC limit of 80%, indicating a potential high bias in samples in which this compound was detected. However, 4-nitrophenol was not detected in any sample. Therefore, no qualification of these data was required based on the LCS data.

Continuing Calibration

The percent difference for hexachlorobenzene (25.5%) in the continuing calibration associated with the samples in this SDG exceeded the QC criteria of 25%. However, NYSDEC allows up to four compounds to exceed the continuing calibration percent difference QC criteria, provided the percent difference is less than 40. Therefore, the continuing calibration is considered valid and no data were qualified.

PESTICIDE/PCBS

No qualification of data was necessary.

INORGANICS/WET CHEMISTRY

Sample Analysis

Sample SEEP02 was not analyzed for aluminum or manganese.

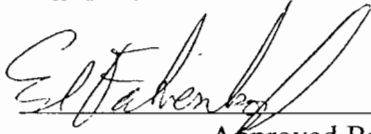
CRDL Standard

Currently, NYSDEC does not have any control limits for the CRDL standard. However, USEPA Region II has a control limit of 20 percent for sample results within +/- two times the CRDL and fifty percent of the samples located on either side of the out of compliance CRDL standard are qualified as necessary. The initial and final CRDL standards for silver exhibited percent recoveries (27%, 29.2% and 31%) that were below the lower QC limit of 80%, indicating a potential low bias. All sample silver results, both non-detects and detected values within the affected range (+/- two times the CRDL) have been qualified as estimated and may be biased low. The qualified data are considered valid and usable.

The middle and final CRDL standards for manganese were slightly above the upper QC limit (120%), indicating a potential high bias. All positive manganese sample results within two times the CRDL have been flagged with a "J" and are considered estimated but usable.

SUMMARY

The data validation indicated that all data are valid and usable. The data are of sufficient quality to make informed decisions with respect to ground water quality at the Mayer Landfill site.



Approved By
Edward G. Fahrenkopf, Jr.



Date

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB062900

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998010

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D2313

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: not dec. _____

Date Analyzed: 07/07/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

GGF
8/10/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB062900

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998010

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D2313

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: not dec. _____

Date Analyzed: 07/07/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

SEEP03

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998002

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D2306

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: not dec. _____

Date Analyzed: 07/07/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

66 F
8/10/00

1026

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SEEP03

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998002

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D2306

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: not dec. _____

Date Analyzed: 07/07/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP04

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998001

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D2305

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: not dec. _____

Date Analyzed: 07/07/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	10	U
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (Total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U J
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	3	J
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (Total)	10	U

FORM I VOA

665
8/14/00

031

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SEEP04

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998001

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D2305

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: not dec. _____

Date Analyzed: 07/07/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 1066-40-6	SILANOL, TRIMETHYL-	5.99	13	NJ
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP05

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998004

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D2308

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: not dec. _____

Date Analyzed: 07/07/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	10	U
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (Total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (Total)	10	U

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SEEP05

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998004

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D2308

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: not dec. _____

Date Analyzed: 07/07/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP06

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998003

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D2307

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: not dec. _____

Date Analyzed: 07/07/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	3	J
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	2	J
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	22	
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	1	J

FORM I VOA

66E 8/14/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SEEP06

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998003

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D2307

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: not dec. _____

Date Analyzed: 07/07/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.99	5	J
2. 541-73-1	BENZENE, 1,3-DICHLORO-	14.02	6	NJ
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP07

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998005

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D2309

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: not dec. _____

Date Analyzed: 07/07/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	4	J
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	3	J
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	100	
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SEEP07

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998005

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D2309

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: not dec. _____

Date Analyzed: 07/07/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.99	6	J
2. 98-82-8	BENZENE, (1-METHYLETHYL) -	12.44	6	NJ
3. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	13.58	43	NJ
4. 470-67-7	7-OXABICYCLO[2.2.1]HEPTANE,	13.77	5	NJ
5. 106-46-7	BENZENE, 1,4-DICHLORO-	14.02	19	NJ
6. 496-11-7	INDANE	14.31	7	NJ
7. 106-46-7	BENZENE, 1,4-DICHLORO-	14.46	5	NJ
8. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	14.70	5	NJ
9.	UNKNOWN	15.80	5	J
10. 275-51-4	AZULENE	16.49	15	NJ
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP08

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998006

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D2310

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: not dec. _____

Date Analyzed: 07/07/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	5	J
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

660# 8/14/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SEEP08

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998006

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D2310

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: not dec. _____

Date Analyzed: 07/07/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

SEEP09

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998008

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D2311

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: not dec. _____

Date Analyzed: 07/07/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	10	U
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (Total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (Total)	10	U

FORM I VOA

081

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SEEP09

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998008

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D2311

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: not dec. _____

Date Analyzed: 07/07/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

SEEP10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998009

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D2312

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: not dec. _____

Date Analyzed: 07/07/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	2	J
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	18	
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	5	J

FORM I VOA

1086

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SEEP10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998009

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D2312

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: not dec. _____

Date Analyzed: 07/07/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	13.58	7	NJ
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB062900

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998011

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D2304

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: not dec. _____

Date Analyzed: 07/07/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

get
M/10/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB062900

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998011

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D2304

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: not dec. _____

Date Analyzed: 07/07/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP03

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998002

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5339

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(-2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	1	J
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethyphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP03

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998002

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5339

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SEEP03

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998002

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5339

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 22

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.72	2	J
2.	UNKNOWN	5.19	2	J
3. 539-32-2	PYRIDINE, 3-BUTYL-	10.20	4	NJ
4.	UNKNOWN	10.56	2	J
5.	UNKNOWN	12.15	2	J
6.	UNKNOWN	13.58	2	J
7. 134-62-3	DIETHYLTOLUAMIDE	15.05	16	NJ
8.	UNKNOWN	15.73	3	J
9. 934-34-9	2 (3H) -BENZOTHAZOLONE	16.12	7	NJ
10.	UNKNOWN	16.47	10	J
11. 77-21-4	GLUTETHIMIDE	17.92	8	NJ
12.	UNKNOWN	18.20	9	J
13.	UNKNOWN	18.43	14	J
14.	UNKNOWN	18.53	2	J
15.	UNKNOWN	18.64	3	J
16. 50-06-6	PHENOBARBITAL	18.90	5	NJ
17. 80-05-7	PHENOL, 4,4'-(1-METHYLETHYL)	20.36	8	NJ
18.	UNKNOWN	21.53	3	J
19.	UNKNOWN	21.80	15	J
20. 629-94-7	HENEICOSANE	23.76	5	NJ
21. 544-76-3	HEXADECANE	25.35	5	NJ
22.	UNKNOWN	27.57	22	J
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP04

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5345

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(-2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	3	J
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethyphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	2	J
106-47-8	4-Chloroaniline	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP04

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5345

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl) phthalate	1	J
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U
191-24-2-----	Benzo (g,h,i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SEEP04

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5345

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 593-71-5	CHLOROIODOMETHANE	3.82	150	ANJ
2.	UNKNOWN ORGANIC ACID	5.20	20	J
3.	UNKNOWN	6.08	130	AJ
4.	UNKNOWN	7.34	18	J
5.	UNKNOWN	7.87	150	AJ
6.	UNKNOWN	8.34	18	J
7.	UNKNOWN ORGANIC ACID	10.00	7	J
8.	UNKNOWN	10.55	12	J
9.	UNKNOWN	11.44	5	J
10.	UNKNOWN	11.74	6	J
11.	UNKNOWN	12.28	4	J
12.	UNKNOWN	13.18	10	J
13.	UNKNOWN	13.68	8	J
14.	UNKNOWN	14.08	26	J
15.	UNKNOWN	14.82	15	J
16. 134-62-3	DIETHYLTOLUAMIDE	15.10	10	NJ
17.	UNKNOWN	15.36	10	J
18.	UNKNOWN	15.97	24	J
19. 934-34-9	2 (3H) -BENZOTHAZOLONE	16.33	62	NJ
20. 80-39-7	BENZENESULFONAMIDE, N-ETHYL-	16.56	30	NJ
21.	UNKNOWN	17.40	14	J
22.	UNKNOWN	17.75	17	J
23.	UNKNOWN	20.00	23	J
24.	UNKNOWN	21.82	24	J
25. 593-45-3	OCTADECANE	23.11	17	NJ
26. 112-95-8	EICOSANE	23.76	10	NJ
27. 629-97-0	DOCOSANE	24.50	37	NJ
28. 13475-75-7	PENTADECANE, 8-HEXYL-	25.35	24	NJ
29. 0-00-0	ACETAMIDE, N-METHYL-N- [4- [4-	26.35	22	NJ
30. 112-95-8	EICOSANE	27.56	65	NJ

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP05

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998004

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5343

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP05

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998004

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5343

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SEEP05

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998004

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5343

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 593-71-5	CHLOROIODOMETHANE	3.80	10	NJ
2.	UNKNOWN	5.03	53	J
3. 119-39-1	PHTHALAZIN-1-ONE	15.24	6	NJ
4.	UNKNOWN	15.52	6	J
5. 88-19-7	BENZENESULFONAMIDE, 2-METHYL	15.62	6	NJ
6.	UNKNOWN	15.73	10	J
7.	UNKNOWN	16.02	4	J
8. 934-34-9	2 (3H) -BENZOTHAZOLONE	16.14	8	NJ
9.	UNKNOWN ORGANIC ACID	16.28	7	J
10.	UNKNOWN	16.48	13	J
11.	UNKNOWN	16.83	9	J
12.	UNKNOWN	17.10	7	J
13.	UNKNOWN	17.51	53	J
14. 50-06-6	PHENOBARBITAL	18.92	39	NJ
15.	UNKNOWN	19.97	22	J
16.	UNKNOWN	20.04	11	J
17.	UNKNOWN	20.24	18	J
18.	UNKNOWN	21.22	38	J
19.	UNKNOWN	21.82	27	J
20.	UNKNOWN	22.06	24	J
21.	UNKNOWN	22.25	12	J
22.	UNKNOWN	22.40	6	J
23. 629-94-7	HENEICOSANE	22.45	15	NJ
24.	UNKNOWN	22.72	26	J
25. 7225-66-3	TRIDECANE, 7-HEXYL-	23.10	42	NJ
26. 629-59-4	TETRADECANE	23.76	35	NJ
27. 7225-66-3	TRIDECANE, 7-HEXYL-	24.49	29	NJ
28. 630-06-8	HEXATRIACONTANE	25.34	16	NJ
29.	UNKNOWN	26.36	17	J
30. 112-95-8	EICOSANE	27.56	35	NJ

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP06

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5346

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	5	J
95-50-1-----	1,2-Dichlorobenzene	2	J
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	2	J
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	5	J
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP06

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5346

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SEEP06

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5346

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

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

Number TICs found: 27

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.73	40	J
2.	UNKNOWN	5.21	32	J
3. 3302-10-1	HEXANOIC ACID, 3,5,5-TRIMETH	9.95	7	NJ
4.	UNKNOWN	10.81	4	J
5.	UNKNOWN	11.42	7	J
6.	UNKNOWN	11.74	5	J
7. 98-54-4	PHENOL, P-TERT-BUTYL-	11.89	4	NJ
8.	UNKNOWN	12.27	5	J
9.	UNKNOWN ORGANIC ACID	12.73	8	J
10.	UNKNOWN	13.16	10	J
11.	UNKNOWN	14.02	20	J
12.	UNKNOWN	14.76	9	J
13. 134-62-3	DIETHYLTOLUAMIDE	15.08	15	NJ
14. 119-39-1	PHTHALAZIN-1-ONE	15.31	7	NJ
15.	UNKNOWN	15.66	8	J
16.	UNKNOWN	15.95	26	J
17. 934-34-9	2 (3H) -BENZOTHAZOLONE	16.27	56	NJ
18. 80-39-7	BENZENESULFONAMIDE, N-ETHYL-	16.54	22	NJ
19.	UNKNOWN	19.34	9	J
20.	UNKNOWN	19.98	4	J
21.	UNKNOWN	21.10	4	J
22. 13674-87-8	2-PROPANOL, 1,3-DICHLORO-, P	21.38	6	NJ
23.	UNKNOWN	21.80	14	J
24.	UNKNOWN	24.39	10	J
25. 295-48-7	CYCLOPENTADECANE	27.14	13	NJ
26. 2490-48-4	1-HEXADECANOL, 2-METHYL-	28.51	10	NJ
27. 0-00-0	ACETAMIDE, N-METHYL-N-[4-[4-	30.15	15	NJ
28.				
29.				
30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP07

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5344

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(-2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	2	J
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	
95-50-1	1,2-Dichlorobenzene	3	J
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethyphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	15	
106-47-8	4-Chloroaniline	10	U
111-91-1	bis(2-Chloroethoxy) methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	1	J
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP07

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5344

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	1	J
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	1	J
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SEEP07

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5344

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 28

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 95-36-3	1,2,4-TRIMETHYLBENZENE	7.94	15	NJ
2.	UNKNOWN ORGANIC ACID	9.95	7	J
3.	UNKNOWN	10.06	4	J
4.	UNKNOWN	10.83	4	J
5.	UNKNOWN	11.41	6	J
6.	UNKNOWN	11.73	4	J
7.	UNKNOWN	12.27	7	J
8. 499-06-9	BENZOIC ACID, 3,5-DIMETHYL-	12.74	10	NJ
9.	UNKNOWN ORGANIC ACID	13.15	11	J
10.	UNKNOWN	14.01	12	J
11. 134-62-3	DIETHYLTOLUAMIDE	15.08	21	NJ
12. 54932-78-4	PHENOL, 4-(2,2,3,3-TETRAMETHYL-5-PHENYL-2-PROPEN-1-YL)-	15.35	18	NJ
13.	UNKNOWN	15.65	20	J
14.	UNKNOWN	15.94	26	J
15. 934-34-9	2(3H)-BENZOTHIASOLONE	16.27	59	NJ
16.	UNKNOWN	16.33	7	J
17.	UNKNOWN	16.54	18	J
18.	UNKNOWN	17.72	28	J
19.	UNKNOWN	19.34	13	J
20.	UNKNOWN	19.44	64	J
21.	UNKNOWN	19.97	35	J
22.	UNKNOWN	20.03	3	J
23.	UNKNOWN	20.26	2	J
24. 80-05-7	PHENOL, 4,4'-(1-METHYLETHYLENE)-	20.40	3	NJ
25.	UNKNOWN	21.10	12	J
26.	UNKNOWN	21.80	4	J
27. 115-86-6	PHOSPHORIC ACID, TRIPHENYL ESTER	21.95	10	NJ
28.	UNKNOWN	24.39	11	J
29.				
30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP08

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998006

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5342

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	1	J
95-50-1-----	1,2-Dichlorobenzene	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP08

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998006

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5342

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SEEP08

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998006

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5342

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.71	8	J
2.	UNKNOWN	5.19	7	J
3. 29957-43-5	1,5,7-OCTATRIEN-3-OL, 3,7-DI	9.44	33	NJ
4.	UNKNOWN ORGANIC ACID	9.86	9	J
5. 108-68-9	PHENOL, 3,5-DIMETHYL-	10.42	4	NJ
6.	UNKNOWN	10.53	6	J
7.	UNKNOWN	11.44	4	J
8. 98-54-4	PHENOL, P-TERT-BUTYL-	11.87	5	NJ
9.	UNKNOWN	12.28	6	J
10.	UNKNOWN	13.58	5	J
11.	UNKNOWN	14.10	4	J
12.	UNKNOWN	14.69	6	J
13. 134-62-3	DIETHYLTOLUAMIDE	15.07	60	J
14. 119-39-1	PHTHALAZIN-1-ONE	15.26	5	NJ
15. 126-73-8	PHOSPHORIC ACID TRIBUTYL EST	15.63	13	NJ
16.	UNKNOWN ORGANIC ACID	15.91	13	J
17. 934-34-9	2(3H)-BENZOTHAZOLONE	16.21	42	NJ
18.	UNKNOWN	16.50	9	J
19.	UNKNOWN	17.52	10	J
20.	UNKNOWN	17.97	9	J
21.	UNKNOWN	18.16	4	J
22.	UNKNOWN	19.31	6	J
23.	UNKNOWN	19.59	5	J
24.	UNKNOWN	19.98	57	J
25. 80-05-7	PHENOL, 4,4'-(1-METHYLETHYL)	20.36	6	NJ
26.	UNKNOWN	21.02	13	J
27. 7225-66-3	TRIDECANE, 7-HEXYL-	21.33	17	NJ
28.	UNKNOWN	21.79	66	J
29.	UNKNOWN	22.86	10	J
30.	UNKNOWN	22.97	78	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP09

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998008

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5340

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP09

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998008

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5340

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SEEP09

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998008

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5340

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 16

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.15	3	J
2.	UNKNOWN	4.71	26	J
3.	UNKNOWN	5.19	23	J
4.	UNKNOWN	10.22	6	J
5.	UNKNOWN	13.84	5	J
6. 134-62-3	DIETHYLTOLUAMIDE	15.04	14	NJ
7.	UNKNOWN	16.22	4	J
8.	UNKNOWN	17.04	2	J
9.	UNKNOWN	17.39	2	J
10.	UNKNOWN	21.79	3	J
11. 112-95-8	EICOSANE	23.76	4	NJ
12.	UNKNOWN	24.85	2	J
13. 593-45-3	OCTADECANE	25.34	9	NJ
14.	UNKNOWN	26.89	4	J
15. 7098-22-8	TETRATETRACONTANE	27.57	7	NJ
16.	UNKNOWN	28.46	8	J
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998009

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5341

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis (-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis (1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	3	J
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis (2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998009

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5341

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	2	J
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	2	J
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SEEP10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998009

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5341

Level: (low/med) LOW

Date Received: 06/30/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 07/02/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 07/07/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

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

Number TICs found: 30

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ORGANIC ACID	9.86	10	J
2. 98-54-4	PHENOL, P-TERT-BUTYL-	11.86	5	NJ
3. 85-44-9	PHTHALIC ANHYDRIDE	12.22	5	NJ
4.	UNKNOWN ORGANIC ACID	12.64	6	J
5.	UNKNOWN	13.98	9	J
6.	UNKNOWN ORGANIC ACID	14.58	6	J
7.	UNKNOWN	14.80	5	J
8. 134-62-3	DIETHYLTOLUAMIDE	15.06	11	NJ
9. 119-39-1	PHTHALAZIN-1-ONE	15.24	6	NJ
10. 54932-78-4	PHENOL, 4-(2,2,3,3-TETRAMETH	15.34	5	NJ
11. 126-73-8	PHOSPHORIC ACID TRIBUTYL EST	15.62	13	NJ
12.	UNKNOWN ORGANIC ACID	15.90	11	J
13. 934-34-9	2(3H)-BENZOTHIASZOLONE	16.22	39	NJ
14.	UNKNOWN	16.31	4	J
15.	UNKNOWN	16.50	20	J
16.	UNKNOWN	17.67	21	J
17.	UNKNOWN	19.31	26	J
18.	UNKNOWN	19.96	10	J
19. 80-05-7	PHENOL, 4,4'-(1-METHYLETHYLI	20.36	10	NJ
20.	UNKNOWN	20.70	12	J
21.	UNKNOWN	21.02	32	J
22.	UNKNOWN	21.78	26	J
23. 115-86-6	PHOSPHORIC ACID, TRIPHENYL E	21.94	19	NJ
24. 630-02-4	OCTACOSANE	22.45	8	NJ
25.	UNKNOWN	22.96	13	J
26. 629-78-7	HEPTADECANE	23.10	18	NJB
27. 112-95-8	EICOSANE	24.49	21	NJ
28. 112-95-8	EICOSANE	25.34	14	NJ
29. 55282-15-0	DOCOSANE, 7-BUTYL-	26.36	14	NJ
30.	UNKNOWN	27.57	39	J

FORM I SV-TIC

OLM03.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP03

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998002

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E4A2121F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 06/30/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/30/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 07/18/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP04

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E4A2120F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 06/30/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/30/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 07/18/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP05

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998004

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E4A2123F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 06/30/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/30/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 07/18/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP06

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E4A2122F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 06/30/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/30/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 07/18/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

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

CAS NO.

COMPOUND

Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP07

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E4A2124F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 06/30/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/30/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 07/18/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP08

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998006

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E4A2125F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 06/30/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/30/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 07/18/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP09

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998008

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E4A2126F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 06/30/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/30/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 07/18/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 70998

Matrix: (soil/water) WATER

Lab Sample ID: 70998009

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E4A2127F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 06/30/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/30/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 07/18/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SEEP04

Lab Name: MITKEM CORPORATION Contract: _____

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

SDG No.: 70998

Matrix (soil/water): WATER Lab Sample ID: 70998001

Level (low/med): MED Date Received: 06/30/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	27.6	B		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	2.4	B		P
7440-39-3	Barium	300			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.54	B		P
7440-70-2	Calcium	55300			P
7440-47-3	Chromium	1.9	B		P
7440-48-4	Cobalt	6.1	B		P
7440-50-8	Copper	4.2	B		P
7439-89-6	Iron	6280			P
7439-92-1	Lead	2.6	B		P
7439-95-4	Magnesium	31400			P
7439-96-5	Manganese	327			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	22.0	B		P
7440-09-7	Potassium	99600			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U	J	P
7440-23-5	Sodium	219000			P
7440-28-0	Thallium	7.7	B		P
7440-62-2	Vanadium	53.6			P
7440-66-6	Zinc	12.3	B		P
56-12-5	Cyanide	2.0	U		C

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SEEP03

Lab Name: MITKEM_CORPORATION Contract: _____

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

SDG No.: 70998

Matrix (soil/water): WATER Lab Sample ID: 70998002

Level (low/med): MED Date Received: 06/30/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	29300			P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	7.6	B		P
7440-39-3	Barium	434			P
7440-41-7	Beryllium	1.3	B		P
7440-43-9	Cadmium	16.0			P
7440-70-2	Calcium	131000			P
7440-47-3	Chromium	42.9			P
7440-48-4	Cobalt	43.2	B		P
7440-50-8	Copper	72.1			P
7439-89-6	Iron	164000			P
7439-92-1	Lead	46.0			P
7439-95-4	Magnesium	22200			P
7439-96-5	Manganese	7960			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	108			P
7440-09-7	Potassium	14700			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	30.3			P
7440-23-5	Sodium	17200			P
7440-28-0	Thallium	2.1	B		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	238			P
56-12-5	Cyanide	3.2	B		C

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SEEP06

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70998

Matrix (soil/water): WATER Lab Sample ID: 70998003

Level (low/med): MED Date Received: 06/30/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	590			P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	363			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	6.2			P
7440-70-2	Calcium	73600			P
7440-47-3	Chromium	5.7	B		P
7440-48-4	Cobalt	8.7	B		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	72200			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	22700			P
7439-96-5	Manganese	2080			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	28.8	B		P
7440-09-7	Potassium	58500			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	13.8	J		P
7440-23-5	Sodium	112000			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	24.6			P
56-12-5	Cyanide	2.0	U		C

605 8/14/00

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SEEP05

Lab Name: MITKEM_CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70998

Matrix (soil/water): WATER Lab Sample ID: 70998004

Level (low/med): MED Date Received: 06/30/00

% Solids:

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	43.5	B		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	160	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	68500			P
7440-47-3	Chromium	0.40	U		P
7440-48-4	Cobalt	2.1	B		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	1360			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	16300			P
7439-96-5	Manganese	712			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	9.6	B		P
7440-09-7	Potassium	27700			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U	J	P
7440-23-5	Sodium	33700			P
7440-28-0	Thallium	5.5	B		P
7440-62-2	Vanadium	29.5	B		P
7440-66-6	Zinc	5.0	U		P
56-12-5	Cyanide	2.0	U		C

Color Before: Clarity Before: Texture: 606 8/11/00

Color After: Clarity After: Artifacts:

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SEEP07

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70998

Matrix (soil/water): WATER Lab Sample ID: 70998005

Level (low/med): MED Date Received: 06/30/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	42.8	B		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	240			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	6.0			P
7440-70-2	Calcium	95100			P
7440-47-3	Chromium	3.8	B		P
7440-48-4	Cobalt	5.7	B		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	69800			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	19200			P
7439-96-5	Manganese	757			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	21.7	B		P
7440-09-7	Potassium	41500			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	13.2			P
7440-23-5	Sodium	70400			P
7440-28-0	Thallium	5.4	B		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	14.8	B		P
56-12-5	Cyanide	2.0	U		C

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SEEP08

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70998

Matrix (soil/water): WATER Lab Sample ID: 70998006

Level (low/med): MED Date Received: 06/30/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	74.3	B		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	202			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	3.1	B		P
7440-70-2	Calcium	76400			P
7440-47-3	Chromium	2.5	B		P
7440-48-4	Cobalt	11.8	B		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	38100			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	10600			P
7439-96-5	Manganese	1430			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	24.5	B		P
7440-09-7	Potassium	18500			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	7.3	B	J	P
7440-23-5	Sodium	23600			P
7440-28-0	Thallium	3.7	B		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	5.0	U		P
56-12-5	Cyanide	2.0	U		C

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SEEP08F

Lab Name: MITKEM_CORPORATION Contract: _____

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

SDG No.: 70998

Matrix (soil/water): WATER Lab Sample ID: 70998007

Level (low/med): MED Date Received: 06/30/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	230			P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	166	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	3.0	B		P
7440-70-2	Calcium	53300			P
7440-47-3	Chromium	2.8	B		P
7440-48-4	Cobalt	7.1	B		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	37100			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	7460			P
7439-96-5	Manganese	711			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	16.7	B		P
7440-09-7	Potassium	13100			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	7.2	B	J	P
7440-23-5	Sodium	14100			P
7440-28-0	Thallium	2.3	B		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	6.4	B		P
56-12-5	Cyanide				NR

Color Before: _____ Clarity Before: _____

Texture: _____

Color After: _____ Clarity After: _____

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SEEP08F

Lab Name: MITKEM_CORPORATION Contract:

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

SDG No.: 70998

Matrix (soil/water): WATER Lab Sample ID: D70998007

Level (low/med): MED Date Received: 06/30/00

% Solids:

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
56-12-5	Cyanide	2.0	U		C

Color Before: Clarity Before:

Texture:

Color After: Clarity After:

Artifacts:

Comments:

DISSOLVED_CYANIDE_SEEP08F

NYSDEC - ASP
I
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SEEP09

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70998__

Matrix (soil/water): WATER Lab Sample ID: 70998008__

Level (low/med): MED Date Received: 06/30/00__

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2180			P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	48.6	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.41	B		P
7440-70-2	Calcium	19500			P
7440-47-3	Chromium	3.2	B		P
7440-48-4	Cobalt	1.8	B		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	4590			P
7439-92-1	Lead	3.5			P
7439-95-4	Magnesium	3210	B		P
7439-96-5	Manganese	493			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	6.7	B		P
7440-09-7	Potassium	6260			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U	J	P
7440-23-5	Sodium	3650	B		P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	5.5	B		P
7440-66-6	Zinc	13.9	B		P
56-12-5	Cyanide	2.0	U		C

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SEEP10

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70998__

Matrix (soil/water): WATER Lab Sample ID: 70998009__

Level (low/med): MED Date Received: 06/30/00__

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	77.6	B		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	270			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	6.1			P
7440-70-2	Calcium	93400			P
7440-47-3	Chromium	4.9	B		P
7440-48-4	Cobalt	6.6	B		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	71700			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	13000			P
7439-96-5	Manganese	1610			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	19.6	B		P
7440-09-7	Potassium	15500			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	13.4			P
7440-23-5	Sodium	19600			P
7440-28-0	Thallium	4.4	B		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	11.2	B		P
56-12-5	Cyanide	2.0	U		C

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

Data Validation Report
Mayer Landfill
Blooming Grove, New York
Analytical Laboratory: Mitkem Corporation
Sample Delivery Groups 62355, 62364 and 62383

Analytical results for the above referenced SDG's from Mayer Landfill were reviewed to evaluate the data quality. Data were assessed in accordance with the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (10/95) and professional judgement. Where applicable data were validated following the United States Environmental Protection Agency (USEPA) National Functional Guidelines for Organic Data Review (October 1999), the United States Environmental Protection Agency (USEPA) Laboratory Program National Functional Guidelines for Inorganic Data Review (February 1994) and the USEPA Region II Evaluation of Metals Data (January 1992 HW-2 Revision 11).

This validation pertains to the following samples collected by Environmental Resources Management:

SDG 62355: SS-31B, SS-31C, SS-27A, SS-29E, SS-27E-8-91, SS-27B, SS-25F, SS-27D, SS-23C, DUP112999, FB112999, TB112999, SS-23CMS, SS-23CMSD and SS-23DUP.

SDG 62364: SS-23AA, SS-25AA-13, SS-25-B, SS-25 C-2.5'-3.5'', SS-25 D-Surface, SS-32B, FB113099 and TB-113099.

SDG 62383: SS-24B-3-5, SS-24A-11, SS-30-B-3-5, SS-26A-3-5, SS-26A-6, S-30B-12, SS-30C-3-5, SS-30C-3.5, SS-28D-3-5, SS-28B-3-5, SS-26B-8, DUP120199, FB120199, TB120199, SS-28B-3-5 MS, SS-28B-3-5MSD and SS-28B-3-5DUP.

The following items/criteria applicable to the samples listed above were reviewed:

- Deliverable Requirements
- Case Narrative
- Holding Times and Sample Preparation
- System Monitoring Compound Recoveries
- Laboratory Control Sample (LCS) Data
- Blank Summary and Data
- GC/MS Tuning and Mass Calibration
- Target Compound Identification/Quantitation
- Quantitation Reports and Mass Spectral Data
- EPA/NIH Mass Spectral Library Search for TICs
- Initial and Continuing Calibration Data
- Internal Standard Areas and Retention Times

The above items were in compliance with USEPA NYSDEC ASP laboratory QC criteria with the exception of the items discussed in the following text. The data have been validated according to the above procedures.

ORGANIC DATA

VOLATILE DATA

Initial And Continuing Calibration Data

SDG 62364, 62383 and 62355

The initial calibration of instrument V2 on November 1, 1999 exhibited an average RRF for trichloroethene of 0.292, which is below the NYSDEC CLP ASP Method 95-1 minimum RRF of 0.3. However, the NYSDEC states that up to two compounds can exceed the minimum RRF criteria and still meet the method criteria provided that the RRF is greater than 0.01. Therefore, no data were flagged based on this exceedence.

The following table lists compounds that exhibited percent difference (%D) values between the initial calibration average RRF and the continuing calibration RRF that were greater than the NYSDEC criteria of 25 percent (100% for selected compounds). Consistent with USEPA data validation criteria, both positive and non-detect results for these compounds in affected samples have been flagged with a "J" as estimated.

Calibration	Compound	% Differen ce	Affected Samples
12/7/99 Instrument V1	1,1,2,2-Tetrachloroethane	25.6	SS25AA13, SS32B, SS24B35DL, SS30B12, SS30C35, SS30C3.5, SS28B35, MS & MSD
12/8/99 Instrument V2	Benzene	26.7	SS25B, SS24A11, SS30B35, SS26A35, SS26A6, SS28D35, Dup120199, SS26B8
12/2/99 Instrument V5	Bromomethane	39.5	FB113099, TB113099, FB112999
	1,1-Dichloroethane	25.6	FB113099, TB113099, FB112999

Method Blanks

SDG 62363, 62383 and 62355

Methylene chloride and acetone were detected in several of the laboratory method blanks associated with this data package. The following table summarizes the method blank concentration and the sample concentration

Method Blank/Sample	Acetone ug/Kg On-Column Concentration ug/L	Methylene Chloride On-Column Concentration ug/L
VBLK1E (12/6/99 Instr V1)		1.17
SS23AA		9.46
SS25C2535		3.49
SS25DSURF		1.69
SS24B35*	1098.65	3.03
SS27A		4.91
SS27B		13.53
SS27E891DL		
SS27D		6.4
DUP112999		6.02
VBLK1F (12/7/99 Instr, V1)	1.69	
SS25AA13	54.72	
SS32B	89.6	
SS24B35DL*	103.93	
SS30B12*	10.52	
SS30C35*	3.10	
SS30C3.5*	37.8	
SS28B35*	25.29	
SS28B35MS*		
SS28B35MSD*		
VBLK2S (12/8/99 Instr V2)		2.18
SS25B		6.18
SS24A11*	27.19	15.28
SS30B35*	2.54	2.3
SS26A35*	1.722	1.37
SS26A6*	31.46	1.92
SS28D35*		1.22
DUP120199*	1.29	1.59
SS26B8*	28.32	2.72
VBLK5I (12/02/99 Instr 5)	7.15	
FB112999	6.72	
TB112999	5.46	
FB120199	4.457	

*Sample associated with field blank FB120199

Consistent with USEPA data validation guidelines, in samples where the methylene chloride/acetone concentrations (on-column) were less than ten times the associated laboratory blank concentration, the results for these compounds have been flagged as non-detect at the reported value or the CRDL, whichever is higher. Acetone was detected in the field blank collected on December 1, 1999 but was not detected in the associated method blank. Acetone was detected in the method blank analyzed on 12/7/99 (Instrument V1). Laboratory contamination is a random artifact and it is possible that the acetone reported in the field blank is related to laboratory contamination even though no acetone was detected in the associated method blank. However, data from samples SS24B35, SS25AA13 and SS32B indicate that acetone may be a site-related contaminant. Therefore, all sample acetone concentrations associated with field blank FB120199 that were less than ten times the FB120199 value have been flagged with an "S" and are considered suspect.

Methylene chloride was reported in sample SS27B at an on-column concentration (13.53 ug/L) that was slightly higher than ten times the associated blank value (1.17 ug/L). The reported concentration has been flagged with an "S" and is considered suspect and may be a laboratory artifact.

SEMIVOLATILE DATA

Internal Standard Area Counts

SDG 62364

The perylene-d₁₂ internal standard area count for samples SS23AA, SS25B, SS25AA13 and SS32B was slightly below the QC lower limit. Re-analysis of the samples at a four times dilution demonstrated that the perylene-d₁₂ for all samples except SS23B was within QC limits. However, the dilution caused low level detection's of some compounds in the original undiluted samples to be reported as non-detect in the diluted samples. Therefore, the results of the original analysis for these samples should be used for the compounds associated with the perylene-d₁₂ internal standard. Both the positive and non-detect results have been flagged with a "J" as estimated.

SDG 62383

The perylene-d₁₂ internal standard area count for sample SS24A11, was slightly below the QC lower limit. Re-analysis of the sample at a four times dilution demonstrated that the perylene-d₁₂ was within QC limits and low concentrations of the compounds associated with perylene-d₁₂ were detected in the diluted reanalysis that were not detected in the original analysis. Therefore, the results of the re-analysis should be used for the compounds associated with the perylene-d₁₂ internal standard. Both the positive and non-detect results in the original analysis have been rejected and are flagged with a "R".

SDG 62355

The perylene-d₁₂ and chrysene-d₁₂ internal standard area recoveries in samples SS27A, SS27E891 and DUP112999 and the perylene-d₁₂ recoveries in samples SS31B, SS31C, SS29E and SS23C were low and slightly outside QC limits. Samples SS27A, SS27E891, DUP112999, SS31B and SS31C were diluted and reanalyzed and the internal standard recoveries were within QC limits. However, the original analysis for several of these samples exhibited low concentrations of several of the parameters associated with the internal standards and these compounds were not detected in the diluted reanalysis because of the dilution factor. Both the positive and non-detect results in the original analysis for samples SS27A, SS27E891, DUP112999, SS31B and SS31C have been flagged with a "J" as estimated concentrations.

Sample SS29E was reanalyzed and the perylene-d₁₂ internal standard recovery was within QC limits. The results for the compounds associated with perylene-d₁₂ in the original analysis have been flagged with an "R" and the results from the reanalysis should be used.

The perylene-d₁₂ and chrysene-d₁₂ internal standard area recoveries in sample SS27B were significantly low and outside QC limits. Positive results for compounds associated with these internal standards have been flagged with a "J" and are considered estimated. Non-detect values have been rejected and flagged with a "R". The sample was diluted and reanalyzed and the internal standard recoveries were within QC limits. Results for compounds, which were non-detect and rejected in the original analysis should be taken from the diluted analysis.

Laboratory Control Sample

SDG 62364 and SDG 62335

The water laboratory control sample (LCS) exhibited recoveries for two compounds (4-nitrophenol and 2,4-dinitrotoluene) and the soil LCS a recovery for 4, nitrophenol, that were slightly high, indicating a potential positive bias. However, these compounds were not detected in any of the samples and therefore, no data were qualified.

Method Blanks

SDG 62364 and 62383

An aldol condensation product (2-pentanone, 4-hydroxy-4-methane) was reported as a tentatively identified compound (TIC) in method blank SBLK1P (SDG 62363) and method blank SBLK1R (SDG 62383). This compound was also reported as a TIC in all

the samples associated with these method blanks. This compound is a method by product and was rejected from each sample and flagged with an "R".

Initial Calibration

SDG 62364 and 62383

For the initial calibration of instrument S1 on 1/3/00, the percent relative standard deviation (%RSD) for benzo(k)fluoranthene of 22.3 was slightly above the QC limit of 20.5. One sample in SDG 62363 (SS25C2535) and all samples (except the field blank) in SDG 62383 were associated with this initial calibration. The benzo(k)fluoranthene results for the affected samples have been flagged with a "J" as estimated.

Continuing Calibration

SDG 62355

The continuing calibration for instrument S1 on December 15, 2000 exhibited a %D for benzo(ghi)perylene (-26.4 %) that was slightly above the QC limit of 25 %. All benzo(ghi)perylene results (both detects and non-detects) in samples SS31B, SS31C, SS27A, SS29E, SS27E891, SS27B, SS23C, and DUP112999 are considered estimated and have been flagged with a "J".

Sample Quantitation/Identification

SDG 62355

Di-n-octylphthalate was reported in sample DUP112999 at an estimated concentration of 5,200 ug/Kg, which exceeded the linear range of the instrument. The sample was reanalyzed at a ten-fold dilution (DUP112999DL) and di-n-octylphthalate was not detected at a reporting limit of 4,000 mg/Kg. Review of the raw data for the original analysis confirmed the presence of di-n-octylphthalate in the sample. The original sample result has been flagged with a "J" and is considered estimated.

PESTICIDE/PCBS

Calibration Verification

SDG 62355

The alpha-BHC (27%) and gamma-BHC percent difference (25.5%) for pesticide calibration verification sample INDAMIG analyzed on column DB-608 on 12/23/99 at 1712 was slightly above the QC limit. However, these compounds were not detected

above the reporting limit in any of the applicable samples and the percent difference on the DB-5 column was within the QC limit. Therefore data were not qualified based on this exceedence.

SDG 62364

The beta-BHC percent difference (30%) on the PEMIG sample analyzed on 12/24/99 on the DB-608 column was slightly above the QC limit of 25%. Applicable samples (SS25AA13 and SS25B) with positive results quantitated using the DB-608 column have been flagged with a "J" and are considered estimated.

The alpha-BHC (27%) and gamma-BHC percent difference (25.5%) for pesticide calibration verification sample INDAMIG analyzed on column DB-608 on 12/23/99 at 1712 was slightly above the QC limit. The recovery of these compounds on the DB-5 column was within QC limits. Only one sample, SS25B, had a positive result for alpha-BHC and was quantitated using the DB-608 column. The SS25B alpha-BHC value has been flagged with a "J" and is considered estimated.

INORGANICS

Contract Required Detection Limit Standard

SDG 62355 and SDG 62364

The percent recovery for silver in the contract required detection limit (CRDL) standard associated with SDG 62355 were extremely low (initial 24.9%; final 0.4%). NYSDEC has no QC criteria for CRDL standard. However, USEPA Region II data validation guidelines state that if the CRDL standard recovery is less than 50 percent all sample results within the affected range should be rejected. The affected range for ICP analyses is the true value plus/minus 2 times the CRDL. The affected range is non-detect up to 40 ug/L in the raw data. With the exception of sample SS27B (SDG 62355), the silver results for all samples in SDG 62355 and SDG 62364 have been rejected and are flagged with a "R".

SDG 62383

The percent recovery for mercury in the CRDL standard was high (300%). USEPA Region II data validation guidelines state that if the CRDL standard recovery is greater than 150 percent all positive sample results within the affected range should be rejected and are most likely false positives. The affected range for AA analyses is the true value plus/minus the CRDL. The affected range is non-detect up to 0.4 ug/L in the raw data. Positive results for all samples in SDG 62383 (SS30B35, SS26A35, SS26A6, SS30C3.5 and SS26B8) except SS24A11 were rejected and flagged with a "R".

The percent recovery for the initial CRDL standard for lead (127.7 %) and both the initial and CRDL standard for manganese (initial 123%; final 126.7%), were slightly

high. However, no sample results were within the affected range and therefore, no data were qualified.

Spike Sample Results

SDG 62355

A matrix spike was performed on sample SS23C. The spike recoveries for antimony (10.4%) and mercury (70.4%) were below the lower QC limit (75%). The mercury result for sample SS23C has been flagged with a "J". The antimony result for sample SS23C has been rejected and flagged with a "R".

SDG 62383

A matrix spike was performed on sample SS28B35. The spike recoveries for antimony (49.1%) and manganese (49.7%) were low and below the lower QC limit of 75%. The SS28B35 antimony and manganese results are considered estimated and have been flagged with a "J" and are potentially biased low.

Duplicate Sample Results

SDG 62383

A duplicate sample analysis was performed on sample SS28B35. The relative percent difference values for selenium and cyanide were above the QC limit of 20%. The selenium and cyanide results for sample SS28B35 are considered estimated and have been flagged with a "J".

ICP Serial Dilution Analysis

SDG 62355

A serial dilution analysis was performed on sample SS23C. The percent difference for lead (12.4%) was above the 10% QC limit and the sample lead concentration was reported at greater than 50 times the IDL. The SS23C lead concentration has been flagged with a "J" as estimated.

SDG 62383

A serial dilution analysis was performed on sample SS28B35. The percent difference for chromium (18%) was above the 10% QC limit and the sample chromium concentration was reported at greater than 50 times the IDL. The SS28B35 chromium concentration has been flagged with a "J" and is considered estimated.

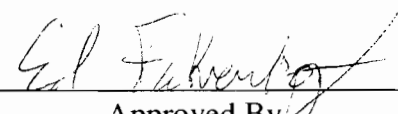
ICP INTERFERENCE CHECK SAMPLE

SDG 62364

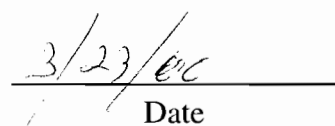
Percent recoveries for antimony, arsenic, selenium and thallium in the ICP interference check sample were significantly below QC limits. However, the concentrations of aluminum, calcium, iron and manganese in the samples were considerably less than the interference check sample concentrations. Also, the percent recoveries for antimony, arsenic, selenium and thallium in the LCS sample were within QC limits, indicating acceptable instrument and method performance. The concentrations of aluminum, calcium iron and magnesium in the interference check sample were consistent with the concentrations of these parameters in the samples. Therefore, no data were qualified based on the low recovery of arsenic, antimony, selenium and thallium in the interference check sample.

SUMMARY

With the exception of silver, mercury and antimony in some samples, all sample data associated with SDG's 62355, 62364 and 62383 are considered valid and useable. All sample silver results in SDG 62364 and all sample silver results in SDG 623255 except SS27B have been rejected and are not usable. Positive mercury results in the following samples SS30B35, SS26A35, SS26A6, SS30C3.5 and SS26B8 have been rejected and due to a probable high bias. The antimony result in SS23C has been rejected.



Approved By
Edward G. Fahrenkopf, Jr.



Date

Data Validation Report
Mayer Landfill
Blooming Grove, New York
Analytical Laboratory: Mitkem Corporation
Sample Delivery Groups 62355, 62364 and 62383

Analytical results for the above referenced SDG's from Mayer Landfill were reviewed to evaluate the data quality. Data were assessed in accordance with the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (10/95) and professional judgement. Where applicable data were validated following the United States Environmental Protection Agency (USEPA) National Functional Guidelines for Organic Data Review (October 1999), the United States Environmental Protection Agency (USEPA) Laboratory Program National Functional Guidelines for Inorganic Data Review (February 1994) and the USEPA Region II Evaluation of Metals Data (January 1992 HW-2 Revision 11).

This validation pertains to the following samples collected by Environmental Resources Management:

SDG 62355: SS-31B, SS-31C, SS-27A, SS-29E, SS-27E-8-91, SS-27B, SS-25F, SS-27D, SS-23C, DUP112999, FB112999, TB112999, SS-23CMS, SS-23CMSD and SS-23DUP.

SDG 62364: SS-23AA, SS-25AA-13, SS-25-B, SS-25 C-2.5'-3.5", SS-25 D-Surface, SS-32B, FB113099 and TB-113099.

SDG 62383: SS-24B-3-5, SS-24A-11, SS-30-B-3-5, SS-26A-3-5, SS-26A-6, S-30B-12, SS-30C-3-5, SS-30C-3.5, SS-28D-3-5, SS-28B-3-5, SS-26B-8, DUP120199, FB120199, TB120199, SS-28B-3-5 MS, SS-28B-3-5MSD and SS-28B-3-5DUP.

The following items/criteria applicable to the samples listed above were reviewed:

- Deliverable Requirements
- Case Narrative
- Holding Times and Sample Preparation
- System Monitoring Compound Recoveries
- Laboratory Control Sample (LCS) Data
- Blank Summary and Data
- GC/MS Tuning and Mass Calibration
- Target Compound Identification/Quantitation
- Quantitation Reports and Mass Spectral Data
- EPA/NIH Mass Spectral Library Search for TICs
- Initial and Continuing Calibration Data
- Internal Standard Areas and Retention Times

The above items were in compliance with USEPA NYSDEC ASP laboratory QC criteria with the exception of the items discussed in the following text. The data have been validated according to the above procedures.

ORGANIC DATA

VOLATILE DATA

Initial And Continuing Calibration Data

SDG 62364, 62383 and 62355

The initial calibration of instrument V2 on November 1, 1999 exhibited an average RRF for trichloroethene of 0.292, which is below the NYSDEC CLP ASP Method 95-1 minimum RRF of 0.3. However, the NYSDEC states that up to two compounds can exceed the minimum RRF criteria and still meet the method criteria provided that the RRF is greater than 0.01. Therefore, no data were flagged based on this exceedence.

The following table lists compounds that exhibited percent difference (%D) values between the initial calibration average RRF and the continuing calibration RRF that were greater than the NYSDEC criteria of 25 percent (100% for selected compounds). Consistent with USEPA data validation criteria, both positive and non-detect results for these compounds in affected samples have been flagged with a "J" as estimated.

Calibration	Compound	% Differen ce	Affected Samples
12/7/99 Instrument V1	1,1,2,2-Tetrachloroethane	25.6	SS25AA13, SS32B, SS24B35DL, SS30B12, SS30C35, SS30C3.5, SS28B35, MS & MSD
12/8/99 Instrument V2	Benzene	26.7	SS25B, SS24A11, SS30B35, SS26A35, SS26A6, SS28D35, Dup120199, SS26B8
12/2/99 Instrument V5	Bromomethane	39.5	FB113099, TB113099, FB112999
	1,1-Dichloroethane	25.6	FB113099, TB113099, FB112999

Method Blanks

SDG 62363, 62383 and 62355

Methylene chloride and acetone were detected in several of the laboratory method blanks associated with this data package. The following table summarizes the method blank concentration and the sample concentration

Method Blank/Sample	Acetone ug/Kg On-Column Concentration ug/L	Methylene Chloride On-Column Concentration ug/L
VBLK1E (12/6/99 Instr V1)		1.17
SS23AA		9.46
SS25C2535		3.49
SS25DSURF		1.69
SS24B35*	1098.65	3.03
SS27A		4.91
SS27B		13.53
SS27E891DL		
SS27D		6.4
DUP112999		6.02
VBLK1F (12/7/99 Instr, V1)	1.69	
SS25AA13	54.72	
SS32B	89.6	
SS24B35DL*	103.93	
SS30B12*	10.52	
SS30C35*	3.10	
SS30C3.5*	37.8	
SS28B35*	25.29	
SS28B35MS*		
SS28B35MSD*		
VBLK2S (12/8/99 Instr V2)		2.18
SS25B		6.18
SS24A11*	27.19	15.28
SS30B35*	2.54	2.3
SS26A35*	1.722	1.37
SS26A6*	31.46	1.92
SS28D35*		1.22
DUP120199*	1.29	1.59
SS26B8*	28.32	2.72
VBLK5I (12/02/99 Instr 5)	7.15	
FB112999	6.72	
TB112999	5.46	
FB120199	4.457	

*Sample associated with field blank FB120199

Consistent with USEPA data validation guidelines, in samples where the methylene chloride/acetone concentrations (on-column) were less than ten times the associated laboratory blank concentration, the results for these compounds have been flagged as non-detect at the reported value or the CRDL, whichever is higher. Acetone was detected in the field blank collected on December 1, 1999 but was not detected in the associated method blank. Acetone was detected in the method blank analyzed on 12/7/99 (Instrument V1). Laboratory contamination is a random artifact and it is possible that the acetone reported in the field blank is related to laboratory contamination even though no acetone was detected in the associated method blank. However, data from samples SS24B35, SS25AA13 and SS32B indicate that acetone may be a site-related contaminant. Therefore, all sample acetone concentrations associated with field blank FB120199 that were less than ten times the FB120199 value have been flagged with an "S" and are considered suspect.

Methylene chloride was reported in sample SS27B at an on-column concentration (13.53 ug/L) that was slightly higher than ten times the associated blank value (1.17 ug/L). The reported concentration has been flagged with an "S" and is considered suspect and may be a laboratory artifact.

SEMIVOLATILE DATA

Internal Standard Area Counts

SDG 62364

The perylene-d₁₂ internal standard area count for samples SS23AA, SS25B, SS25AA13 and SS32B was slightly below the QC lower limit. Re-analysis of the samples at a four times dilution demonstrated that the perylene-d₁₂ for all samples except SS23B was within QC limits. However, the dilution caused low level detection's of some compounds in the original undiluted samples to be reported as non-detect in the diluted samples. Therefore, the results of the original analysis for these samples should be used for the compounds associated with the perylene-d₁₂ internal standard. Both the positive and non-detect results have been flagged with a "J" as estimated.

SDG 62383

The perylene-d₁₂ internal standard area count for sample SS24A11, was slightly below the QC lower limit. Re-analysis of the sample at a four times dilution demonstrated that the perylene-d₁₂ was within QC limits and low concentrations of the compounds associated with perylene-d₁₂ were detected in the diluted reanalysis that were not detected in the original analysis. Therefore, the results of the re-analysis should be used for the compounds associated with the perylene-d₁₂ internal standard. Both the positive and non-detect results in the original analysis have been rejected and are flagged with a "R".

SDG 62355

The perylene-d₁₂ and chrysene-d₁₂ internal standard area recoveries in samples SS27A, SS27E891 and DUP112999 and the perylene-d₁₂ recoveries in samples SS31B, SS31C, SS29E and SS23C were low and slightly outside QC limits. Samples SS27A, SS27E891, DUP112999, SS31B and SS31C were diluted and reanalyzed and the internal standard recoveries were within QC limits. However, the original analysis for several of these samples exhibited low concentrations of several of the parameters associated with the internal standards and these compounds were not detected in the diluted reanalysis because of the dilution factor. Both the positive and non-detect results in the original analysis for samples SS27A, SS27E891, DUP112999, SS31B and SS31C have been flagged with a "J" as estimated concentrations.

Sample SS29E was reanalyzed and the perylene-d₁₂ internal standard recovery was within QC limits. The results for the compounds associated with perylene-d₁₂ in the original analysis have been flagged with an "R" and the results from the reanalysis should be used.

The perylene-d₁₂ and chrysene-d₁₂ internal standard area recoveries in sample SS27B were significantly low and outside QC limits. Positive results for compounds associated with these internal standards have been flagged with a "J" and are considered estimated. Non-detect values have been rejected and flagged with a "R". The sample was diluted and reanalyzed and the internal standard recoveries were within QC limits. Results for compounds, which were non-detect and rejected in the original analysis should be taken from the diluted analysis.

Laboratory Control Sample

SDG 62364 and SDG 62335

The water laboratory control sample (LCS) exhibited recoveries for two compounds (4-nitrophenol and 2,4-dinitrotoluene) and the soil LCS a recovery for 4, nitrophenol, that were slightly high, indicating a potential positive bias. However, these compounds were not detected in any of the samples and therefore, no data were qualified.

Method Blanks

SDG 62364 and 62383

An aldol condensation product (2-pentanone, 4-hydroxy-4-methane) was reported as a tentatively identified compound (TIC) in method blank SBLK1P (SDG 62363) and method blank SBLK1R (SDG 62383). This compound was also reported as a TIC in all

the samples associated with these method blanks. This compound is a method by product and was rejected from each sample and flagged with an "R".

Initial Calibration

SDG 62364 and 62383

For the initial calibration of instrument S1 on 1/3/00, the percent relative standard deviation (%RSD) for benzo(k)fluoranthene of 22.3 was slightly above the QC limit of 20.5. One sample in SDG 62363 (SS25C2535) and all samples (except the field blank) in SDG 62383 were associated with this initial calibration. The benzo(k)fluoranthene results for the affected samples have been flagged with a "J" as estimated.

Continuing Calibration

SDG 62355

The continuing calibration for instrument S1 on December 15, 2000 exhibited a %D for benzo(ghi)perylene (-26.4 %) that was slightly above the QC limit of 25 %. All benzo(ghi)perylene results (both detects and non-detects) in samples SS31B, SS31C, SS27A, SS29E, SS27E891, SS27B, SS23C, and DUP112999 are considered estimated and have been flagged with a "J".

Sample Quantitation/Identification

SDG 62355

Di-n-octylphthalate was reported in sample DUP112999 at an estimated concentration of 5,200 ug/Kg, which exceeded the linear range of the instrument. The sample was reanalyzed at a ten-fold dilution (DUP112999DL) and di-n-octylphthalate was not detected at a reporting limit of 4,000 mg/Kg. Review of the raw data for the original analysis confirmed the presence of di-n-octylphthalate in the sample. The original sample result has been flagged with a "J" and is considered estimated.

PESTICIDE/PCBS

Calibration Verification

SDG 62355

The alpha-BHC (27%) and gamma-BHC percent difference (25.5%) for pesticide calibration verification sample INDAMIG analyzed on column DB-608 on 12/23/99 at 1712 was slightly above the QC limit. However, these compounds were not detected

above the reporting limit in any of the applicable samples and the percent difference on the DB-5 column was within the QC limit. Therefore data were not qualified based on this exceedence.

SDG 62364

The beta-BHC percent difference (30%) on the PEMIG sample analyzed on 12/24/99 on the DB-608 column was slightly above the QC limit of 25%. Applicable samples (SS25AA13 and SS25B) with positive results quantitated using the DB-608 column have been flagged with a "J" and are considered estimated.

The alpha-BHC (27%) and gamma-BHC percent difference (25.5%) for pesticide calibration verification sample INDAMIG analyzed on column DB-608 on 12/23/99 at 1712 was slightly above the QC limit. The recovery of these compounds on the DB-5 column was within QC limits. Only one sample, SS25B, had a positive result for alpha-BHC and was quantitated using the DB-608 column. The SS25B alpha-BHC value has been flagged with a "J" and is considered estimated.

INORGANICS

Contract Required Detection Limit Standard

SDG 62355 and SDG 62364

The percent recovery for silver in the contract required detection limit (CRDL) standard associated with SDG 62355 were extremely low (initial 24.9%; final 0.4%). NYSDEC has no QC criteria for CRDL standard. However, USEPA Region II data validation guidelines state that if the CRDL standard recovery is less than 50 percent all sample results within the affected range should be rejected. The affected range for ICP analyses is the true value plus/minus 2 times the CRDL. The affected range is non-detect up to 40 ug/L in the raw data. With the exception of sample SS27B (SDG 62355), the silver results for all samples in SDG 62355 and SDG 62364 have been rejected and are flagged with a "R".

SDG 62383

The percent recovery for mercury in the CRDL standard was high (300%). USEPA Region II data validation guidelines state that if the CRDL standard recovery is greater than 150 percent all positive sample results within the affected range should be rejected and are most likely false positives. The affected range for AA analyses is the true value plus/minus the CRDL. The affected range is non-detect up to 0.4 ug/L in the raw data. Positive results for all samples in SDG 62383 (SS30B35, SS26A35, SS26A6, SS30C3.5 and SS26B8) except SS24A11 were rejected and flagged with a "R".

The percent recovery for the initial CRDL standard for lead (127.7 %) and both the initial and CRDL standard for manganese (initial 123%; final 126.7%), were slightly

high. However, no sample results were within the affected range and therefore, no data were qualified.

Spike Sample Results

SDG 62355

A matrix spike was performed on sample SS23C. The spike recoveries for antimony (10.4%) and mercury (70.4%) were below the lower QC limit (75%). The mercury result for sample SS23C has been flagged with a "J". The antimony result for sample SS23C has been rejected and flagged with a "R".

SDG 62383

A matrix spike was performed on sample SS28B35. The spike recoveries for antimony (49.1%) and manganese (49.7%) were low and below the lower QC limit of 75%. The SS28B35 antimony and manganese results are considered estimated and have been flagged with a "J" and are potentially biased low.

Duplicate Sample Results

SDG 62383

A duplicate sample analysis was performed on sample SS28B35. The relative percent difference values for selenium and cyanide were above the QC limit of 20%. The selenium and cyanide results for sample SS28B35 are considered estimated and have been flagged with a "J".

ICP Serial Dilution Analysis

SDG 62355

A serial dilution analysis was performed on sample SS23C. The percent difference for lead (12.4%) was above the 10% QC limit and the sample lead concentration was reported at greater than 50 times the IDL. The SS23C lead concentration has been flagged with a "J" as estimated.

SDG 62383

A serial dilution analysis was performed on sample SS28B35. The percent difference for chromium (18%) was above the 10% QC limit and the sample chromium concentration was reported at greater than 50 times the IDL. The SS28B35 chromium concentration has been flagged with a "J" and is considered estimated.

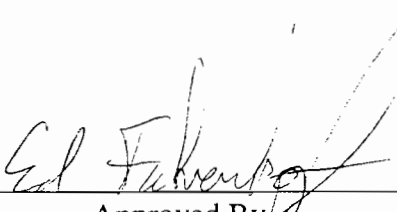
ICP INTERFERENCE CHECK SAMPLE

SDG 62364

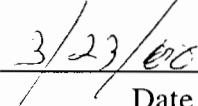
Percent recoveries for antimony, arsenic, selenium and thallium in the ICP interference check sample were significantly below QC limits. However, the concentrations of aluminum, calcium, iron and manganese in the samples were considerably less than the interference check sample concentrations. Also, the percent recoveries for antimony, arsenic, selenium and thallium in the LCS sample were within QC limits, indicating acceptable instrument and method performance. The concentrations of aluminum, calcium iron and magnesium in the interference check sample were consistent with the concentrations of these parameters in the samples. Therefore, no data were qualified based on the low recovery of arsenic, antimony, selenium and thallium in the interference check sample.

SUMMARY

With the exception of silver, mercury and antimony in some samples, all sample data associated with SDG's 62355, 62364 and 62383 are considered valid and useable. All sample silver results in SDG 62364 and all sample silver results in SDG 623255 except SS27B have been rejected and are not usable. Positive mercury results in the following samples SS30B35, SS26A35, SS26A6, SS30C3.5 and SS26B8 have been rejected and due to a probable high bias. The antimony result in SS23C has been rejected.



Approved By
Edward G. Fahrenkopf, Jr.



Date

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP112999

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355010

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V1C8390

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 25

Date Analyzed: 12/06/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
			Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	13	U
67-64-1	Acetone	56	U
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (Total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	17	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	2	J
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	24	U
108-90-7	Chlorobenzene	63	U
100-41-4	Ethylbenzene	12	J
100-42-5	Styrene	13	U
1330-20-7	Xylene (Total)	140	U

FORM I VOA

ccf
3/16/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP112999

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355010

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V1C8390

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 25

Date Analyzed: 12/06/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	12.92	16	J
2.	C3-BENZENE ISOMER	13.06	36	J
3.	UNKNOWN ALKANE	13.16	23	J
4.	C3-BENZENE ISOMER	13.55	22	J
5.	C3-BENZENE ISOMER	13.65	92	J
6.	C3-BENZENE ISOMER	13.74	110	J
7.	UNKNOWN	14.02	23	J
8.	UNKNOWN ALKANE	14.06	34	J
9.	C3-BENZENE ISOMER	14.19	200	J
10.	UNKNOWN ALKANE	14.25	22	J
11.	UNKNOWN ALKANE	14.42	36	J
12.	UNKNOWN ALKANE	14.53	20	J
13.	DICHLOROBENZENE ISOMER	14.64	69	J
14.	UNKNOWN ALKANE	14.70	130	J
15.	UNKNOWN	14.92	97	J
16.	C4-BENZENE ISOMER	14.98	20	J
17.	UNKNOWN PAH	15.05	29	J
18.	UNKNOWN	15.13	19	J
19.	UNKNOWN	15.20	28	J
20.	C4-BENZENE ISOMER	15.32	85	J
21.	C4-BENZENE ISOMER	15.42	120	J
22.	UNKNOWN	15.57	31	J
23.	UNKNOWN ALKANE	15.65	32	J
24.	UNKNOWN	15.77	66	J
25.	C4-BENZENE ISOMER	15.86	27	J
26.	C4-BENZENE ISOMER	15.92	33	J
27.	UNKNOWN ALKANE	16.00	86	J
28.	C4-BENZENE ISOMER	16.39	49	J
29.	UNKNOWN AROMATICS	17.12	110	J
30.	C1-NAPHTHALENE ISOMER	18.32	18	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB112999

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: 62355011

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B8080

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. _____

Date Analyzed: 12/02/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

10M 71 JB OK ECF
ECF 18

ECF
3/16/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB112999

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: 62355011

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B8080

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. _____

Date Analyzed: 12/02/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS23C

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355009

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: V1C8253

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 13

Date Analyzed: 12/03/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	11	U
74-83-9-----	Bromomethane	11	U
75-01-4-----	Vinyl Chloride	11	U
75-00-3-----	Chloroethane	11	U
75-09-2-----	Methylene Chloride	11	U
67-64-1-----	Acetone	2	J
75-15-0-----	Carbon Disulfide	11	U
75-35-4-----	1,1-Dichloroethene	11	U
75-34-3-----	1,1-Dichloroethane	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
67-66-3-----	Chloroform	11	U
107-06-2-----	1,2-Dichloroethane	11	U
78-93-3-----	2-Butanone	11	U
71-55-6-----	1,1,1-Trichloroethane	11	U
56-23-5-----	Carbon Tetrachloride	11	U
75-27-4-----	Bromodichloromethane	11	U
78-87-5-----	1,2-Dichloropropane	11	U
10061-01-5-----	cis-1,3-Dichloropropene	11	U
79-01-6-----	Trichloroethene	11	U
124-48-1-----	Dibromochloromethane	11	U
79-00-5-----	1,1,2-Trichloroethane	11	U
71-43-2-----	Benzene	11	U
10061-02-6-----	trans-1,3-Dichloropropene	11	U
75-25-2-----	Bromoform	11	U
108-10-1-----	4-Methyl-2-Pentanone	11	U
591-78-6-----	2-Hexanone	11	U
127-18-4-----	Tetrachloroethene	11	U
79-34-5-----	1,1,2,2-Tetrachloroethane	11	U
108-88-3-----	Toluene	11	U
108-90-7-----	Chlorobenzene	11	U
100-41-4-----	Ethylbenzene	11	U
100-42-5-----	Styrene	11	U
1330-20-7-----	Xylene (Total)	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS23C

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355009

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: V1C8253

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 13

Date Analyzed: 12/03/99

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. 475-20-7	1,4-METHANOAZULENE, DECAHYDR	19.35	9	NJ
2.				
3.				
4.				
5.				
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27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25F

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355007

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: V1C8251

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 13

Date Analyzed: 12/03/99

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

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

74-87-3-----	Chloromethane	11	U
74-83-9-----	Bromomethane	11	U
75-01-4-----	Vinyl Chloride	11	U
75-00-3-----	Chloroethane	11	U
75-09-2-----	Methylene Chloride	11	U
67-64-1-----	Acetone	2	J
75-15-0-----	Carbon Disulfide	11	U
75-35-4-----	1,1-Dichloroethene	11	U
75-34-3-----	1,1-Dichloroethane	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
67-66-3-----	Chloroform	11	U
107-06-2-----	1,2-Dichloroethane	11	U
78-93-3-----	2-Butanone	11	U
71-55-6-----	1,1,1-Trichloroethane	11	U
56-23-5-----	Carbon Tetrachloride	11	U
75-27-4-----	Bromodichloromethane	11	U
78-87-5-----	1,2-Dichloropropane	11	U
10061-01-5-----	cis-1,3-Dichloropropene	11	U
79-01-6-----	Trichloroethene	11	U
124-48-1-----	Dibromochloromethane	11	U
79-00-5-----	1,1,2-Trichloroethane	11	U
71-43-2-----	Benzene	11	U
10061-02-6-----	trans-1,3-Dichloropropene	11	U
75-25-2-----	Bromoform	11	U
108-10-1-----	4-Methyl-2-Pentanone	11	U
591-78-6-----	2-Hexanone	11	U
127-18-4-----	Tetrachloroethene	11	U
79-34-5-----	1,1,2,2-Tetrachloroethane	11	U
108-88-3-----	Toluene	11	U
108-90-7-----	Chlorobenzene	11	U
100-41-4-----	Ethylbenzene	11	U
100-42-5-----	Styrene	11	U
1330-20-7-----	Xylene (Total)	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS25F

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355007

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: V1C8251

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 13

Date Analyzed: 12/03/99

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.				
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12.				
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29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27A

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355003

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: VIC8385

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 42

Date Analyzed: 12/06/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	16	U
74-83-9-----	Bromomethane	16	U
75-01-4-----	Vinyl Chloride	16	U
75-00-3-----	Chloroethane	16	U
75-09-2-----	Methylene Chloride	16	U
67-64-1-----	Acetone	16	U
75-15-0-----	Carbon Disulfide	130	J
75-35-4-----	1,1-Dichloroethene	4	J
75-34-3-----	1,1-Dichloroethane	16	U
540-59-0-----	1,2-Dichloroethene (Total)	16	U
67-66-3-----	Chloroform	16	U
107-06-2-----	1,2-Dichloroethane	16	U
78-93-3-----	2-Butanone	44	J
71-55-6-----	1,1,1-Trichloroethane	16	U
56-23-5-----	Carbon Tetrachloride	16	U
75-27-4-----	Bromodichloromethane	16	U
78-87-5-----	1,2-Dichloropropane	16	U
10061-01-5-----	cis-1,3-Dichloropropene	16	U
79-01-6-----	Trichloroethene	16	U
124-48-1-----	Dibromochloromethane	16	U
79-00-5-----	1,1,2-Trichloroethane	16	U
71-43-2-----	Benzene	4	J
10061-02-6-----	trans-1,3-Dichloropropene	16	U
75-25-2-----	Bromoform	16	U
108-10-1-----	4-Methyl-2-Pentanone	2	J
591-78-6-----	2-Hexanone	16	U
127-18-4-----	Tetrachloroethene	16	U
79-34-5-----	1,1,2,2-Tetrachloroethane	16	U
108-88-3-----	Toluene	23	J
108-90-7-----	Chlorobenzene	15	J
100-41-4-----	Ethylbenzene	10	J
100-42-5-----	Styrene	16	U
1330-20-7-----	Xylene (Total)	64	

EGP
3/16/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS27A

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355003

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: V1C8385

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 42

Date Analyzed: 12/06/99

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C3-BENZENE ISOMER	13.68	36	J
2.	C3-BENZENE ISOMER	13.74	61	J
3.	C3-BENZENE ISOMER	14.00	26	J
4.	C3-BENZENE ISOMER	14.19	120	J
5.	UNKNOWN	14.39	34	J
6.	UNKNOWN CYCLOALKANE	14.47	38	J
7.	C4-BENZENE ISOMER	14.54	52	J
8.	DICHLOROBENZENE ISOMER	14.65	90	J
9.	C3-BENZENE ISOMER	14.69	97	J
10.	UNKNOWN AROMATICS	14.93	75	J
11.	C4-BENZENE ISOMER	14.98	42	J
12.	UNKNOWN ALKANE	15.09	82	J
13.	C4-BENZENE ISOMER	15.33	79	J
14.	C4-BENZENE ISOMER	15.42	95	J
15.	UNKNOWN AROMATICS	15.57	50	J
16.	C4-BENZENE ISOMER	15.77	72	J
17.	C4-BENZENE ISOMER	15.86	85	J
18.	C4-BENZENE ISOMER	15.92	64	J
19.	UNKNOWN	16.00	28	J
20.	UNKNOWN AROMATICS	16.25	25	J
21.	UNKNOWN ALKANE	16.28	27	J
22.	C4-BENZENE ISOMER	16.39	190	J
23. 119-64-2	NAPHTHALENE, 1,2,3,4-TETRAHY	16.61	60	NJ
24.	UNKNOWN AROMATICS	16.74	110	J
25.	UNKNOWN AROMATICS	17.12	210	J
26.	UNKNOWN ALKANE	17.35	30	J
27.	UNKNOWN PAH	17.73	35	J
28.	C1-NAPHTHALENE ISOMER	18.32	55	J
29.	C1-NAPHTHALENE ISOMER	18.53	31	J
30.	UNKNOWN AROMATICS	19.14	26	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355006

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: VIC8386

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 20

Date Analyzed: 12/06/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	12	U
74-83-9-----	Bromomethane	12	U
75-01-4-----	Vinyl Chloride	12	U
75-00-3-----	Chloroethane	12	U
75-09-2-----	Methylene Chloride	17	BS
67-64-1-----	Acetone	59	
75-15-0-----	Carbon Disulfide	3	J
75-35-4-----	1,1-Dichloroethene	12	U
75-34-3-----	1,1-Dichloroethane	12	U
540-59-0-----	1,2-Dichloroethene (Total)	12	U
67-66-3-----	Chloroform	12	U
107-06-2-----	1,2-Dichloroethane	12	U
78-93-3-----	2-Butanone	22	
71-55-6-----	1,1,1-Trichloroethane	12	U
56-23-5-----	Carbon Tetrachloride	12	U
75-27-4-----	Bromodichloromethane	12	U
78-87-5-----	1,2-Dichloropropane	12	U
10061-01-5-----	cis-1,3-Dichloropropene	12	U
79-01-6-----	Trichloroethene	12	U
124-48-1-----	Dibromochloromethane	12	U
79-00-5-----	1,1,2-Trichloroethane	12	U
71-43-2-----	Benzene	5	J
10061-02-6-----	trans-1,3-Dichloropropene	12	U
75-25-2-----	Bromoform	12	U
108-10-1-----	4-Methyl-2-Pentanone	12	U
591-78-6-----	2-Hexanone	12	U
127-18-4-----	Tetrachloroethene	12	U
79-34-5-----	1,1,2,2-Tetrachloroethane	12	U
108-88-3-----	Toluene	40	
108-90-7-----	Chlorobenzene	140	
100-41-4-----	Ethylbenzene	14	
100-42-5-----	Styrene	12	U
1330-20-7-----	Xylene (Total)	230	

FORM I VOA

CCF
3/16/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS27B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355006

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8386

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 20

Date Analyzed: 12/06/99

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

Number TICs found: 29

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN CYCLOALKANE	12.92	17	J
2.	C3-BENZENE ISOMER	13.06	51	J
3.	UNKNOWN	13.16	22	J
4.	C3-BENZENE ISOMER	13.56	31	J
5.	C3-BENZENE ISOMER	13.65	100	J
6.	C3-BENZENE ISOMER	13.74	110	J
7.	C3-BENZENE ISOMER	14.01	24	J
8.	UNKNOWN ALKANE	14.07	36	J
9.	C3-BENZENE ISOMER	14.19	240	J
10.	UNKNOWN ALKANE	14.42	30	J
11.	UNKNOWN	14.54	22	J
12.	DICHLOROBENZENE ISOMER	14.64	80	J
13.	C3-BENZENE ISOMER	14.69	120	J
14.	UNKNOWN AROMATICS	14.93	95	J
15.	DECAHYDRONAPHTHALENE ISOMER	15.05	32	J
16.	UNKNOWN	15.13	19	J
17.	UNKNOWN	15.20	29	J
18.	C4-BENZENE ISOMER	15.33	86	J
19.	C4-BENZENE ISOMER	15.41	110	J
20.	UNKNOWN AROMATICS	15.57	33	J
21.	UNKNOWN	15.65	29	J
22.	UNKNOWN	15.77	58	J
23.	C4-BENZENE ISOMER	15.86	26	J
24.	C4-BENZENE ISOMER	15.92	35	J
25.	UNKNOWN ALKANE	16.00	66	J
26.	C4-BENZENE ISOMER	16.39	56	J
27.	UNKNOWN AROMATICS	17.13	150	J
28.	C1-NAPHTHALENE ISOMER	18.33	23	J
29.	C1-NAPHTHALENE ISOMER	18.53	19	J
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355008

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: V1C8389

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 66

Date Analyzed: 12/06/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	150	U
74-83-9-----	Bromomethane	150	U
75-01-4-----	Vinyl Chloride	150	U
75-00-3-----	Chloroethane	150	U
75-09-2-----	Methylene Chloride	150M	~~94~~ JB
67-64-1-----	Acetone	270	
75-15-0-----	Carbon Disulfide	16	J
75-35-4-----	1,1-Dichloroethene	150	U
75-34-3-----	1,1-Dichloroethane	150	U
540-59-0-----	1,2-Dichloroethene (Total)	150	U
67-66-3-----	Chloroform	150	U
107-06-2-----	1,2-Dichloroethane	150	U
78-93-3-----	2-Butanone	120	J
71-55-6-----	1,1,1-Trichloroethane	150	U
56-23-5-----	Carbon Tetrachloride	150	U
75-27-4-----	Bromodichloromethane	150	U
78-87-5-----	1,2-Dichloropropane	150	U
10061-01-5-----	cis-1,3-Dichloropropene	150	U
79-01-6-----	Trichloroethene	150	U
124-48-1-----	Dibromochloromethane	150	U
79-00-5-----	1,1,2-Trichloroethane	150	U
71-43-2-----	Benzene	41	J
10061-02-6-----	trans-1,3-Dichloropropene	150	U
75-25-2-----	Bromoform	150	U
108-10-1-----	4-Methyl-2-Pentanone	150	U
591-78-6-----	2-Hexanone	150	U
127-18-4-----	Tetrachloroethene	150	U
79-34-5-----	1,1,2,2-Tetrachloroethane	150	U
108-88-3-----	Toluene	210	
108-90-7-----	Chlorobenzene	960	
100-41-4-----	Ethylbenzene	160	
100-42-5-----	Styrene	150	U
1330-20-7-----	Xylene (Total)	1000	

ECdf
3/16/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS27D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355008

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: V1C8389

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 66

Date Analyzed: 12/06/99

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

Number TICs found: 29

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C3-BENZENE ISOMER	13.06	170	J
2.	UNKNOWN	13.15	89	J
3.	C3-BENZENE ISOMER	13.55	180	J
4.	C3-BENZENE ISOMER	13.66	420	J
5.	C3-BENZENE ISOMER	13.75	500	J
6.	C3-BENZENE ISOMER	14.00	100	J
7.	C3-BENZENE ISOMER	14.19	1300	J
8.	C4-BENZENE ISOMER	14.39	240	J
9.	UNKNOWN HYDROCARBON	14.48	220	J
10.	C4-BENZENE ISOMER	14.54	220	J
11.	DICHLOROBENZENE ISOMER	14.65	370	J
12.	UNKNOWN ALKANE	14.69	380	J
13.	UNKNOWN AROMATICS	14.93	350	J
14.	C4-BENZENE ISOMER	14.98	130	J
15.	DICHLOROBENZENE ISOMER	15.09	240	J
16.	C4-BENZENE ISOMER	15.33	350	J
17.	C4-BENZENE ISOMER	15.42	270	J
18.	UNKNOWN HYDROCARBON	15.58	160	J
19.	C4-BENZENE ISOMER	15.76	160	J
20.	C4-BENZENE ISOMER	15.86	250	J
21.	C4-BENZENE ISOMER	15.92	270	J
22.	UNKNOWN	15.99	110	J
23.	UNKNOWN AROMATICS	16.24	85	J
24.	C4-BENZENE ISOMER	16.40	490	J
25.	UNKNOWN AROMATICS	16.74	120	J
26.	UNKNOWN AROMATICS	17.12	1500	J
27.	C1-NAPHTHALENE ISOMER	18.32	200	J
28.	C1-NAPHTHALENE ISOMER	18.54	120	J
29.	UNKNOWN AROMATICS	19.14	120	J
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27E891

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355005

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: V1C8249

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 39

Date Analyzed: 12/03/99

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

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

74-87-3-----	Chloromethane	2	J
74-83-9-----	Bromomethane	16	U
75-01-4-----	Vinyl Chloride	16	U
75-00-3-----	Chloroethane	16	U
75-09-2-----	Methylene Chloride	16	U
67-64-1-----	Acetone	170	
75-15-0-----	Carbon Disulfide	5	J
75-35-4-----	1,1-Dichloroethene	16	U
75-34-3-----	1,1-Dichloroethane	16	U
540-59-0-----	1,2-Dichloroethene (Total)	2	J
67-66-3-----	Chloroform	16	U
107-06-2-----	1,2-Dichloroethane	16	U
78-93-3-----	2-Butanone	51	
71-55-6-----	1,1,1-Trichloroethane	16	U
56-23-5-----	Carbon Tetrachloride	16	U
75-27-4-----	Bromodichloromethane	16	U
78-87-5-----	1,2-Dichloropropane	16	U
10061-01-5-----	cis-1,3-Dichloropropene	16	U
79-01-6-----	Trichloroethene	11	J
124-48-1-----	Dibromochloromethane	16	U
79-00-5-----	1,1,2-Trichloroethane	16	U
71-43-2-----	Benzene	6	J
10061-02-6-----	trans-1,3-Dichloropropene	16	U
75-25-2-----	Bromoform	16	U
108-10-1-----	4-Methyl-2-Pentanone	16	U
591-78-6-----	2-Hexanone	16	U
127-18-4-----	Tetrachloroethene	4	J
79-34-5-----	1,1,2,2-Tetrachloroethane	16	U
108-88-3-----	Toluene	15	J
108-90-7-----	Chlorobenzene	140	
100-41-4-----	Ethylbenzene	220	
100-42-5-----	Styrene	16	U
1330-20-7-----	Xylene (Total)	1500	E

use total
xylene

result from sample

SS27E 891 DL

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS27E891

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355005

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: V1C8249

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 39

Date Analyzed: 12/03/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 29

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C3-BENZENE ISOMER	13.04	120	J
2.	UNKNOWN CYCLOALKANE	13.12	80	J
3.	UNKNOWN	13.46	59	J
4.	C3-BENZENE ISOMER	13.53	120	J
5.	C3-BENZENE ISOMER	13.63	490	J
6.	C3-BENZENE ISOMER	13.73	500	J
7.	C3-BENZENE ISOMER	13.98	86	J
8.	UNKNOWN ALKANE	14.05	91	J
9.	UNKNOWN ALKANE	14.11	67	J
10.	C3-BENZENE ISOMER	14.18	780	J
11.	UNKNOWN ALKANE	14.41	200	J
12.	C4-BENZENE ISOMER	14.46	150	J
13.	C4-BENZENE ISOMER	14.52	140	J
14.	DICHLOROBENZENE ISOMER	14.62	150	J
15.	C3-BENZENE ISOMER	14.67	410	J
16.	UNKNOWN AROMATICS	14.91	220	J
17.	C4-BENZENE ISOMER	14.96	110	J
18.	UNKNOWN ALKANE	15.07	120	J
19.	C4-BENZENE ISOMER	15.19	100	J
20.	C4-BENZENE ISOMER	15.31	230	J
21.	C4-BENZENE ISOMER	15.40	190	J
22.	UNKNOWN	15.55	90	J
23.	C4-BENZENE ISOMER	15.74	130	J
24.	C4-BENZENE ISOMER	15.85	140	J
25.	C4-BENZENE ISOMER	15.90	130	J
26.	UNKNOWN	15.97	96	J
27.	C4-BENZENE ISOMER	16.38	160	J
28.	UNKNOWN AROMATICS	16.72	71	J
29.	UNKNOWN AROMATICS	17.10	140	J
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27E891DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355005DL

Sample wt/vol: 0.6 (g/mL) G

Lab File ID: V1C8388

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 39

Date Analyzed: 12/06/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	140	U
74-83-9-----	Bromomethane	140	U
75-01-4-----	Vinyl Chloride	140	U
75-00-3-----	Chloroethane	140	U
75-09-2-----	Methylene Chloride	140.0	30 DBJ
67-64-1-----	Acetone	340	D
75-15-0-----	Carbon Disulfide	140	U
75-35-4-----	1,1-Dichloroethene	140	U
75-34-3-----	1,1-Dichloroethane	140	U
540-59-0-----	1,2-Dichloroethene (Total)	140	U
67-66-3-----	Chloroform	140	U
107-06-2-----	1,2-Dichloroethane	140	U
78-93-3-----	2-Butanone	110	DJ
71-55-6-----	1,1,1-Trichloroethane	140	U
56-23-5-----	Carbon Tetrachloride	140	U
75-27-4-----	Bromodichloromethane	140	U
78-87-5-----	1,2-Dichloropropane	140	U
10061-01-5-----	cis-1,3-Dichloropropene	140	U
79-01-6-----	Trichloroethene	140	U
124-48-1-----	Dibromochloromethane	140	U
79-00-5-----	1,1,2-Trichloroethane	140	U
71-43-2-----	Benzene	15	DJ
10061-02-6-----	trans-1,3-Dichloropropene	140	U
75-25-2-----	Bromoform	140	U
108-10-1-----	4-Methyl-2-Pentanone	140	U
591-78-6-----	2-Hexanone	140	U
127-18-4-----	Tetrachloroethene	140	U
79-34-5-----	1,1,2,2-Tetrachloroethane	140	U
108-88-3-----	Toluene	66	DJ
108-90-7-----	Chlorobenzene	160	D
100-41-4-----	Ethylbenzene	170	D
100-42-5-----	Styrene	140	U
1330-20-7-----	Xylene (Total)	1600	D

Use only the total xylene result

FORM I VOA

667 2/16/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS27E891DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355005DL

Sample wt/vol: 0.6 (g/mL) G

Lab File ID: V1C8388

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 39

Date Analyzed: 12/06/99

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	C3-BENZENE ISOMER	13.06	110	JD
2.	UNKNOWN CYCLOALKANE	13.15	97	JD
3.	C3-BENZENE ISOMER	13.56	130	JD
4.	C3-BENZENE ISOMER	13.65	570	JD
5.	C3-BENZENE ISOMER	13.74	500	JD
6.	C3-BENZENE ISOMER	13.99	88	JD
7.	UNKNOWN ALKANE	14.07	85	JD
8.	C3-BENZENE ISOMER	14.19	910	JD
9.	UNKNOWN	14.39	93	JD
10.	UNKNOWN	14.48	180	JD
11.	C4-BENZENE ISOMER	14.55	210	JD
12.	DICHLOROBENZENE ISOMER	14.64	190	JD
13.	C3-BENZENE ISOMER	14.69	430	JD
14.	UNKNOWN	14.92	260	JD
15.	C4-BENZENE ISOMER	14.99	220	JD
16.	UNKNOWN ALKANE	15.08	290	JD
17.	UNKNOWN	15.13	76	JD
18.	C4-BENZENE ISOMER	15.20	140	JD
19.	C4-BENZENE ISOMER	15.33	330	JD
20.	C4-BENZENE ISOMER	15.41	280	JD
21.	UNKNOWN	15.57	160	JD
22.	UNKNOWN	15.65	79	JD
23.	C4-BENZENE ISOMER	15.77	300	JD
24.	C4-BENZENE ISOMER	15.86	240	JD
25.	C4-BENZENE ISOMER	15.92	220	JD
26.	UNKNOWN	15.99	180	JD
27.	UNKNOWN ALKANE	16.28	85	JD
28.	C4-BENZENE ISOMER	16.39	240	JD
29.	UNKNOWN AROMATICS	16.74	140	JD
30.	UNKNOWN AROMATICS	17.12	160	JD

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS29E

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355004

Sample wt/vol: 5.4 (g/mL) G

Lab File ID: V1C8248

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 26

Date Analyzed: 12/03/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
74-87-3	Chloromethane	12	U	
74-83-9	Bromomethane	12	U	
75-01-4	Vinyl Chloride	12	U	
75-00-3	Chloroethane	12	U	
75-09-2	Methylene Chloride	12	U	
67-64-1	Acetone	22		
75-15-0	Carbon Disulfide	12	U	
75-35-4	1,1-Dichloroethene	12	U	
75-34-3	1,1-Dichloroethane	12	U	
540-59-0	1,2-Dichloroethene (Total)	12	U	
67-66-3	Chloroform	12	U	
107-06-2	1,2-Dichloroethane	2	J	
78-93-3	2-Butanone	3	J	
71-55-6	1,1,1-Trichloroethane	12	U	
56-23-5	Carbon Tetrachloride	12	U	
75-27-4	Bromodichloromethane	12	U	
78-87-5	1,2-Dichloropropane	12	U	
10061-01-5	cis-1,3-Dichloropropene	12	U	
79-01-6	Trichloroethene	12	U	
124-48-1	Dibromochloromethane	12	U	
79-00-5	1,1,2-Trichloroethane	12	U	
71-43-2	Benzene	110		
10061-02-6	trans-1,3-Dichloropropene	12	U	
75-25-2	Bromoform	12	U	
108-10-1	4-Methyl-2-Pentanone	12	U	
591-78-6	2-Hexanone	12	U	
127-18-4	Tetrachloroethene	12	U	
79-34-5	1,1,2,2-Tetrachloroethane	12	U	
108-88-3	Toluene	160		
108-90-7	Chlorobenzene	2	J	
100-41-4	Ethylbenzene	240		
100-42-5	Styrene	12	U	
1330-20-7	Xylene (Total)	510		

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS29E

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355004

Sample wt/vol: 5.4 (g/mL) G

Lab File ID: V1C8248

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 26

Date Analyzed: 12/03/99

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

Number TICs found: 29

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	8.00	34	J
2.	UNKNOWN ALKANE	9.46	84	J
3.	UNKNOWN ALKANE	9.65	60	J
4.	UNKNOWN ALKANE	10.19	140	J
5.	UNKNOWN CYCLOALKANE	10.43	42	J
6.	UNKNOWN CYCLOALKANE	11.15	49	J
7.	UNKNOWN CYCLOALKANE	11.22	28	J
8.	UNKNOWN ALKANE	11.48	36	J
9.	C3-BENZENE ISOMER	13.62	100	J
10.	UNKNOWN ALKANE	13.71	150	J
11.	C3-BENZENE ISOMER	13.98	64	J
12.	C3-BENZENE ISOMER	14.17	150	J
13.	UNKNOWN AROMATICS	14.25	32	J
14.	C3-BENZENE ISOMER	14.67	53	J
15.	UNKNOWN AROMATICS	14.91	62	J
16.	C4-BENZENE ISOMER	14.96	28	J
17.	UNKNOWN ALKANE	15.07	71	J
18.	UNKNOWN AROMATICS	15.16	230	J
19.	C4-BENZENE ISOMER	15.32	36	J
20.	C4-BENZENE ISOMER	15.74	33	J
21.	UNKNOWN ALKANE	16.27	55	J
22.	C4-BENZENE ISOMER	16.37	58	J
23.	UNKNOWN AROMATICS	16.46	29	J
24.	UNKNOWN AROMATICS	16.59	61	J
25.	UNKNOWN AROMATICS	17.11	1900	J
26.	BENZOTHIOPHENE ISOMER	17.25	34	J
27.	C1-NAPHTHALENE ISOMER	18.30	230	J
28.	C1-NAPHTHALENE ISOMER	18.52	120	J
29.	C2-NAPHTHALENE ISOMER	19.12	28	J
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS31B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355001

Sample wt/vol: 5.5 (g/mL) G

Lab File ID: V1C8245

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 35

Date Analyzed: 12/03/99

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

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

74-87-3	Chloromethane	1	J
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene Chloride	14	U
67-64-1	Acetone	74	
75-15-0	Carbon Disulfide	5	J
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
540-59-0	1,2-Dichloroethene (Total)	14	U
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	2-Butanone	27	
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon Tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	200	
10061-02-6	trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-88-3	Toluene	2	J
108-90-7	Chlorobenzene	41	
100-41-4	Ethylbenzene	4	J
100-42-5	Styrene	2	J
1330-20-7	Xylene (Total)	35	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS31B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355001

Sample wt/vol: 5.5 (g/mL) G

Lab File ID: V1C8245

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 35

Date Analyzed: 12/03/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 20

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 109-99-9	FURAN, TETRAHYDRO-	7.03	13	NJ
2.	UNKNOWN ALKANE	8.00	16	J
3.	C3-BENZENE ISOMER	13.04	12	J
4.	UNKNOWN CYCLOALKANE	13.66	11	J
5.	UNKNOWN	13.71	22	J
6.	C3-BENZENE ISOMER	14.17	46	J
7.	UNKNOWN	14.36	11	J
8.	C3-BENZENE ISOMER	14.67	24	J
9.	UNKNOWN ALKANE	14.91	12	J
10.	DICHLOROBENZENE ISOMER	15.06	14	J
11.	C4-BENZENE ISOMER	15.19	8	J
12.	C4-BENZENE ISOMER	15.32	17	J
13.	C4-BENZENE ISOMER	15.40	12	J
14.	UNKNOWN	15.55	9	J
15.	C4-BENZENE ISOMER	15.74	12	J
16.	C4-BENZENE ISOMER	15.85	11	J
17.	C4-BENZENE ISOMER	15.90	12	J
18.	UNKNOWN	15.97	7	J
19.	C4-BENZENE ISOMER	16.37	16	J
20.	UNKNOWN AROMATICS	17.11	16	J
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS31C

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355002

Sample wt/vol: 5.4 (g/mL) G

Lab File ID: V1C8246

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 26

Date Analyzed: 12/03/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
74-87-3	-----Chloromethane	12	U	
74-83-9	-----Bromomethane	12	U	
75-01-4	-----Vinyl Chloride	12	U	
75-00-3	-----Chloroethane	12	U	
75-09-2	-----Methylene Chloride	12	U	
67-64-1	-----Acetone	49		
75-15-0	-----Carbon Disulfide	2	J	
75-35-4	-----1,1-Dichloroethene	12	U	
75-34-3	-----1,1-Dichloroethane	3	J	
540-59-0	-----1,2-Dichloroethene (Total)	12	U	
67-66-3	-----Chloroform	12	U	
107-06-2	-----1,2-Dichloroethane	12	U	
78-93-3	-----2-Butanone	14		
71-55-6	-----1,1,1-Trichloroethane	69		
56-23-5	-----Carbon Tetrachloride	12	U	
75-27-4	-----Bromodichloromethane	12	U	
78-87-5	-----1,2-Dichloropropane	12	U	
10061-01-5	-----cis-1,3-Dichloropropene	12	U	
79-01-6	-----Trichloroethene	12	U	
124-48-1	-----Dibromochloromethane	12	U	
79-00-5	-----1,1,2-Trichloroethane	12	U	
71-43-2	-----Benzene	2	J	
10061-02-6	-----trans-1,3-Dichloropropene	12	U	
75-25-2	-----Bromoform	12	U	
108-10-1	-----4-Methyl-2-Pentanone	12	U	
591-78-6	-----2-Hexanone	12	U	
127-18-4	-----Tetrachloroethene	12	U	
79-34-5	-----1,1,2,2-Tetrachloroethane	12	U	
108-88-3	-----Toluene	5	J	
108-90-7	-----Chlorobenzene	3	J	
100-41-4	-----Ethylbenzene	13		
100-42-5	-----Styrene	12	U	
1330-20-7	-----Xylene (Total)	190		

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS31C

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355002

Sample wt/vol: 5.4 (g/mL) G

Lab File ID: V1C8246

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 26

Date Analyzed: 12/03/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 29

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN CYCLOALKANE	12.54	17	J
2.	UNKNOWN CYCLOALKANE	12.90	16	J
3.	C3-BENZENE ISOMER	13.04	36	J
4.	UNKNOWN	13.14	28	J
5.	UNKNOWN ALKANE	13.29	19	J
6.	UNKNOWN CYCLOALKANE	13.45	15	J
7.	C3-BENZENE ISOMER	13.63	47	J
8.	UNKNOWN ALKANE	13.71	130	J
9.	C3-BENZENE ISOMER	13.98	25	J
10.	UNKNOWN ALKANE	14.05	22	J
11.	C3-BENZENE ISOMER	14.17	66	J
12.	UNKNOWN	14.23	14	J
13.	UNKNOWN ALKANE	14.41	20	J
14.	C4-BENZENE ISOMER	14.53	13	J
15.	DICHLOROBENZENE ISOMER	14.61	24	J
16.	C3-BENZENE ISOMER	14.67	70	J
17.	UNKNOWN	14.90	31	J
18.	C4-BENZENE ISOMER	14.96	12	J
19.	UNKNOWN	15.03	26	J
20.	UNKNOWN ALKANE	15.07	26	J
21.	UNKNOWN	15.19	18	J
22.	C4-BENZENE ISOMER	15.31	29	J
23.	C4-BENZENE ISOMER	15.39	25	J
24.	UNKNOWN AROMATICS	15.55	13	J
25.	UNKNOWN	15.75	22	J
26.	UNKNOWN	15.98	13	J
27.	C4-BENZENE ISOMER	16.37	14	J
28.	UNKNOWN AROMATICS	16.72	15	J
29.	UNKNOWN AROMATICS	17.10	16	J
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB112999

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: 62355012

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B8081

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. _____

Date Analyzed: 12/02/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	11	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

665
3/16/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB112999

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: 62355012

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B8081

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. _____

Date Analyzed: 12/02/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.47	35	JB
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.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1YLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: V1L1202B

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8233

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/02/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
			Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	47	
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	48	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	48	
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	48	
108-90-7	Chlorobenzene	48	
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (Total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5ILCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: V5L1202A

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B8073

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/02/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	4	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	44	
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	48	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	49	
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	48	
108-90-7	Chlorobenzene	48	
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (Total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS23CMS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355013

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V1C8254

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 13

Date Analyzed: 12/03/99

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

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

74-87-3-----	Chloromethane	11	U
74-83-9-----	Bromomethane	11	U
75-01-4-----	Vinyl Chloride	11	U
75-00-3-----	Chloroethane	11	U
75-09-2-----	Methylene Chloride	11	U
67-64-1-----	Acetone	1	J
75-15-0-----	Carbon Disulfide	11	U
75-35-4-----	1,1-Dichloroethene	53	
75-34-3-----	1,1-Dichloroethane	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
67-66-3-----	Chloroform	11	U
107-06-2-----	1,2-Dichloroethane	11	U
78-93-3-----	2-Butanone	11	U
71-55-6-----	1,1,1-Trichloroethane	11	U
56-23-5-----	Carbon Tetrachloride	11	U
75-27-4-----	Bromodichloromethane	11	U
78-87-5-----	1,2-Dichloropropane	11	U
10061-01-5-----	cis-1,3-Dichloropropene	11	U
79-01-6-----	Trichloroethene	51	
124-48-1-----	Dibromochloromethane	11	U
79-00-5-----	1,1,2-Trichloroethane	11	U
71-43-2-----	Benzene	56	
10061-02-6-----	trans-1,3-Dichloropropene	11	U
75-25-2-----	Bromoform	11	U
108-10-1-----	4-Methyl-2-Pentanone	11	U
591-78-6-----	2-Hexanone	11	U
127-18-4-----	Tetrachloroethene	11	U
79-34-5-----	1,1,2,2-Tetrachloroethane	11	U
108-88-3-----	Toluene	57	
108-90-7-----	Chlorobenzene	53	
100-41-4-----	Ethylbenzene	11	U
100-42-5-----	Styrene	11	U
1330-20-7-----	Xylene (Total)	11	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS23CMSD

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355014

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: VIC8255

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: not dec. 13

Date Analyzed: 12/03/99

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG		Q
74-87-3	Chloromethane	11	U	
74-83-9	Bromomethane	11	U	
75-01-4	Vinyl Chloride	11	U	
75-00-3	Chloroethane	11	U	
75-09-2	Methylene Chloride	11	U	
67-64-1	Acetone	2	J	
75-15-0	Carbon Disulfide	11	U	
75-35-4	1,1-Dichloroethene	54		
75-34-3	1,1-Dichloroethane	11	U	
540-59-0	1,2-Dichloroethene (Total)	11	U	
67-66-3	Chloroform	11	U	
107-06-2	1,2-Dichloroethane	11	U	
78-93-3	2-Butanone	11	U	
71-55-6	1,1,1-Trichloroethane	11	U	
56-23-5	Carbon Tetrachloride	11	U	
75-27-4	Bromodichloromethane	11	U	
78-87-5	1,2-Dichloropropane	11	U	
10061-01-5	cis-1,3-Dichloropropene	11	U	
79-01-6	Trichloroethene	53		
124-48-1	Dibromochloromethane	11	U	
79-00-5	1,1,2-Trichloroethane	11	U	
71-43-2	Benzene	57		
10061-02-6	trans-1,3-Dichloropropene	11	U	
75-25-2	Bromoform	11	U	
108-10-1	4-Methyl-2-Pentanone	11	U	
591-78-6	2-Hexanone	11	U	
127-18-4	Tetrachloroethene	11	U	
79-34-5	1,1,2,2-Tetrachloroethane	11	U	
108-88-3	Toluene	57		
108-90-7	Chlorobenzene	53		
100-41-4	Ethylbenzene	11	U	
100-42-5	Styrene	11	U	
1330-20-7	Xylene (Total)	11	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP112999

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355010

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B1918

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 17 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

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

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	400	U
111-44-4-----	bis(-2-Chloroethyl) Ether	400	U
95-57-8-----	2-Chlorophenol	400	U
541-73-1-----	1,3-Dichlorobenzene	400	U
106-46-7-----	1,4-Dichlorobenzene	1200	
95-50-1-----	1,2-Dichlorobenzene	150	J
95-48-7-----	2-Methylphenol	400	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5-----	4-Methylphenol	400	U
621-64-7-----	N-Nitroso-di-n-propylamine	400	U
67-72-1-----	Hexachloroethane	400	U
98-95-3-----	Nitrobenzene	400	U
78-59-1-----	Isophorone	400	U
88-75-5-----	2-Nitrophenol	400	U
105-67-9-----	2,4-Dimethylphenol	400	U
120-83-2-----	2,4-Dichlorophenol	400	U
120-82-1-----	1,2,4-Trichlorobenzene	42	J
91-20-3-----	Naphthalene	970	
106-47-8-----	4-Chloroaniline	400	U
111-91-1-----	bis(2-Chloroethoxy) methane	400	U
87-68-3-----	Hexachlorobutadiene	400	U
59-50-7-----	4-Chloro-3-methylphenol	400	U
91-57-6-----	2-Methylnaphthalene	600	
77-47-4-----	Hexachlorocyclopentadiene	400	U
88-06-2-----	2,4,6-Trichlorophenol	400	U
95-95-4-----	2,4,5-Trichlorophenol	990	U
91-58-7-----	2-Chloronaphthalene	400	U
88-74-4-----	2-Nitroaniline	990	U
131-11-3-----	Dimethylphthalate	400	U
208-96-8-----	Acenaphthylene	400	U
606-20-2-----	2,6-Dinitrotoluene	400	U
99-09-2-----	3-Nitroaniline	990	U
83-32-9-----	Acenaphthene	52	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP112999

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355010

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B1918

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 17 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	990	U
100-02-7-----	4-Nitrophenol	990	U
132-64-9-----	Dibenzofuran	400	U
121-14-2-----	2,4-Dinitrotoluene	400	U
84-66-2-----	Diethylphthalate	130	J
7005-72-3-----	4-Chlorophenyl-phenylether	400	U
86-73-7-----	Fluorene	74	J
100-01-6-----	4-Nitroaniline	990	U
534-52-1-----	4,6-Dinitro-2-methylphenol	990	U
86-30-6-----	N-Nitrosodiphenylamine (1)	400	U
101-55-3-----	4-Bromophenyl-phenylether	400	U
118-74-1-----	Hexachlorobenzene	400	U
87-86-5-----	Pentachlorophenol	990	U
85-01-8-----	Phenanthrene	250	J
120-12-7-----	Anthracene	50	J
86-74-8-----	Carbazole	58	J
84-74-2-----	Di-n-butylphthalate	120	J
206-44-0-----	Fluoranthene	110	J
129-00-0-----	Pyrene	260	J
85-68-7-----	Butylbenzylphthalate	5900	E
91-94-1-----	3,3'-Dichlorobenzidine	400	U
56-55-3-----	Benzo(a)anthracene	55	J
218-01-9-----	Chrysene	57	J
117-81-7-----	bis(2-Ethylhexyl)phthalate	13000	E
117-84-0-----	Di-n-octylphthalate	5200	E
205-99-2-----	Benzo(b)fluoranthene	62	J
207-08-9-----	Benzo(k)fluoranthene	23	J
50-32-8-----	Benzo(a)pyrene	400	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	400	U
53-70-3-----	Dibenzo(a,h)anthracene	400	U
191-24-2-----	Benzo(g,h,i)perylene	400	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

use results
from dilute
analysis
sample
DUP112999 DL

668
3/17/00

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP112999

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355010

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B1918

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 17 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.5

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.69~~	~~14000~~	~~ANJB~~
2. 95-36-3	1,2,4-TRIMETHYLBENZENE	7.00	1000	NJ
3. 1120-21-4	UNDECANE	8.46	990	NJ
4.	UNKNOWN	9.20	910	JB
5.	UNKNOWN ALKANE	9.30	720	J
6. 872-05-9	1-DECENE	12.95	960	NJ
7. 20071-09-4	BENZENE, 1,1'-(1,2-CYCLOBUTA	15.79	270	NJ
8.	UNKNOWN	16.85	460	J
9.	UNKNOWN	17.04	460	J
10.	UNKNOWN	17.27	500	J
11. 57-10-3	HEXADECANOIC ACID	17.57	1500	NJ
12.	UNKNOWN	17.89	2000	J
13.	UNKNOWN	18.76	460	J
14.	UNKNOWN	18.83	600	J
15.	UNKNOWN ALKANE	19.23	350	J
16. 2882-96-4	PENTADECANE, 3-METHYL-	19.65	400	NJ
17. 483-65-8	PHENANTHRENE, 1-METHYL-7-(1-	19.76	1000	NJ
18. 55124-79-3	HEPTADECANE, 9-HEXYL-	20.23	890	NJ
19.	UNKNOWN	21.28	780	J
20.	UNKNOWN	21.91	1300	J
21.	UNKNOWN	22.00	2100	J
22. 13475-75-7	PENTADECANE, 8-HEXYL-	22.18	2800	NJ
23.	UNKNOWN ALKANE	22.50	2400	J
24. 593-49-7	HEPTACOSANE	22.79	1700	NJ
25. 630-01-3	HEXACOSANE	23.40	1800	NJ
26.	UNKNOWN PHTHALATE	23.68	1600	J
27. 629-78-7	HEPTADECANE	23.97	920	NJ
28.	UNKNOWN PHTHALATE	24.16	1700	J
29. 112-95-8	EICOSANE	24.52	420	NJ
30.	UNKNOWN	25.62	890	J

665-
3/17/06

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP112999DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355010DL

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B2319

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 17 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.5

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

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	4000	U
111-44-4-----	bis(-2-Chloroethyl) Ether	4000	U
95-57-8-----	2-Chlorophenol	4000	U
541-73-1-----	1,3-Dichlorobenzene	4000	U
106-46-7-----	1,4-Dichlorobenzene	4000	U
95-50-1-----	1,2-Dichlorobenzene	4000	U
95-48-7-----	2-Methylphenol	4000	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	4000	U
106-44-5-----	4-Methylphenol	4000	U
621-64-7-----	N-Nitroso-di-n-propylamine	4000	U
67-72-1-----	Hexachloroethane	4000	U
98-95-3-----	Nitrobenzene	4000	U
78-59-1-----	Isophorone	4000	U
88-75-5-----	2-Nitrophenol	4000	U
105-67-9-----	2,4-Dimethyphenol	4000	U
120-83-2-----	2,4-Dichlorophenol	4000	U
120-82-1-----	1,2,4-Trichlorobenzene	4000	U
91-20-3-----	Naphthalene	870	DJ
106-47-8-----	4-Chloroaniline	4000	U
111-91-1-----	bis(2-Chloroethoxy)methane	4000	U
87-68-3-----	Hexachlorobutadiene	4000	U
59-50-7-----	4-Chloro-3-methylphenol	4000	U
91-57-6-----	2-Methylnaphthalene	620	DJ
77-47-4-----	Hexachlorocyclopentadiene	4000	U
88-06-2-----	2,4,6-Trichlorophenol	4000	U
95-95-4-----	2,4,5-Trichlorophenol	9900	U
91-58-7-----	2-Chloronaphthalene	4000	U
88-74-4-----	2-Nitroaniline	9900	U
131-11-3-----	Dimethylphthalate	4000	U
208-96-8-----	Acenaphthylene	4000	U
606-20-2-----	2,6-Dinitrotoluene	4000	U
99-09-2-----	3-Nitroaniline	9900	U
83-32-9-----	Acenaphthene	4000	U

use
resets
from
undiluted
analysis

FORM I SV-1

Q6F
2/17/00

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP112999DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355010DL

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B2319

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 17 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.5

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

CAS NO.	COMPOUND	Q
51-28-5-----	2,4-Dinitrophenol	9900 U
100-02-7-----	4-Nitrophenol	9900 U
132-64-9-----	Dibenzofuran	4000 U
121-14-2-----	2,4-Dinitrotoluene	4000 U
84-66-2-----	Diethylphthalate	4000 U
7005-72-3-----	4-Chlorophenyl-phenylether	4000 U
86-73-7-----	Fluorene	4000 U
100-01-6-----	4-Nitroaniline	9900 U
534-52-1-----	4,6-Dinitro-2-methylphenol	9900 U
86-30-6-----	N-Nitrosodiphenylamine (1)	4000 U
101-55-3-----	4-Bromophenyl-phenylether	4000 U
118-74-1-----	Hexachlorobenzene	4000 U
87-86-5-----	Pentachlorophenol	9900 U
85-01-8-----	Phenanthrene	4000 U
120-12-7-----	Anthracene	4000 U
86-74-8-----	Carbazole	4000 U
84-74-2-----	Di-n-butylphthalate	4000 U
206-44-0-----	Fluoranthene	4000 U
129-00-0-----	Pyrene	4000 U
85-68-7-----	Butylbenzylphthalate	4900 D
91-94-1-----	3,3'-Dichlorobenzidine	4000 U
56-55-3-----	Benzo (a) anthracene	4000 U
218-01-9-----	Chrysene	4000 U
117-81-7-----	bis(2-Ethylhexyl)phthalate	9900 D
117-84-0-----	Di-n-octylphthalate	4000 U
205-99-2-----	Benzo (b) fluoranthene	4000 U
207-08-9-----	Benzo (k) fluoranthene	4000 U
50-32-8-----	Benzo (a) pyrene	4000 U
193-39-5-----	Indeno (1,2,3-cd) pyrene	4000 U
53-70-3-----	Dibenzo (a,h) anthracene	4000 U
191-24-2-----	Benzo (g,h,i) perylene	4000 U

(1) - Cannot be separated from Diphenylamine

use
only these
results

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP112999DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355010DL

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B2319

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 17 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y

pH: 7.5

Number TICs found: 25

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	2.26	25000	ANJBD
2.	UNKNOWN	4.45	2400	JBD
3.	UNKNOWN	12.70	880	JD
4.	UNKNOWN ORGANIC ACID	14.94	5300	JD
5.	UNKNOWN	15.47	3200	JD
6. 10544-50-0	SULFUR, MOL. (S8)	15.62	11000	NJD
7.	UNKNOWN	15.74	2700	JD
8.	UNKNOWN	15.92	1300	JD
9.	UNKNOWN	16.01	900	JD
10.	UNKNOWN	16.28	1700	JD
11.	UNKNOWN	16.48	2000	JD
12.	C4-PHENANTHRENE ISOMER	16.78	2200	JD
13.	UNKNOWN ALKANE	18.17	2300	JD
14.	UNKNOWN	18.36	2200	JD
15.	UNKNOWN ALKANE	18.83	4800	JD
16.	UNKNOWN	18.92	2600	JD
17.	UNKNOWN	19.15	7500	JD
18.	UNKNOWN ALKANE	19.46	6600	JD
19.	UNKNOWN PHTHALATE	19.74	9900	JD
20.	UNKNOWN ALKANE	20.08	5100	JD
21.	UNKNOWN ALKANE	20.67	9400	JD
22.	UNKNOWN ALKANE	21.25	3200	JD
23.	UNKNOWN PHTHALATE	21.35	8500	JD
24.	UNKNOWN	21.99	1000	JD
25.	UNKNOWN ALKANE	22.34	2200	JD
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

66F
3/30/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB112999

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: 62355011

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B1879

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/02/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/15/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2-----	Phenol	10 U	
111-44-4-----	bis(-2-Chloroethyl) Ether	10 U	
95-57-8-----	2-Chlorophenol	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	
95-48-7-----	2-Methylphenol	10 U	
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10 U	
106-44-5-----	4-Methylphenol	10 U	
621-64-7-----	N-Nitroso-di-n-propylamine	10 U	
67-72-1-----	Hexachloroethane	10 U	
98-95-3-----	Nitrobenzene	10 U	
78-59-1-----	Isophorone	10 U	
88-75-5-----	2-Nitrophenol	10 U	
105-67-9-----	2,4-Dimethyphenol	10 U	
120-83-2-----	2,4-Dichlorophenol	10 U	
120-82-1-----	1,2,4-Trichlorobenzene	10 U	
91-20-3-----	Naphthalene	10 U	
106-47-8-----	4-Chloroaniline	10 U	
111-91-1-----	bis(2-Chloroethoxy)methane	10 U	
87-68-3-----	Hexachlorobutadiene	10 U	
59-50-7-----	4-Chloro-3-methylphenol	10 U	
91-57-6-----	2-Methylnaphthalene	10 U	
77-47-4-----	Hexachlorocyclopentadiene	10 U	
88-06-2-----	2,4,6-Trichlorophenol	10 U	
95-95-4-----	2,4,5-Trichlorophenol	25 U	
91-58-7-----	2-Chloronaphthalene	10 U	
88-74-4-----	2-Nitroaniline	25 U	
131-11-3-----	Dimethylphthalate	10 U	
208-96-8-----	Acenaphthylene	10 U	
606-20-2-----	2,6-Dinitrotoluene	10 U	
99-09-2-----	3-Nitroaniline	25 U	
83-32-9-----	Acenaphthene	10 U	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB112999

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: 62355011

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B1879

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/02/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/15/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis (2-Ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U
191-24-2-----	Benzo (g,h,i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB112999

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: 62355011

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B1879

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/02/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/15/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS23C

Lab Name: MITKEM CORPORATION Contract:
Lab Code: MITKEM Case No.: SAS No.: SDG No.: 62355
Matrix: (soil/water) SOIL Lab Sample ID: 62355009
Sample wt/vol: 30.9 (g/mL) G Lab File ID: S1B1915
Level: (low/med) LOW Date Received: 11/30/99
% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/06/99
Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/16/99
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
111-44-4	bis(-2-Chloroethyl) Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
111-91-1	bis(2-Chloroethoxy) methane	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	900	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	900	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	900	U
83-32-9	Acenaphthene	360	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS23C

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355009

Sample wt/vol: 30.9 (g/mL) G

Lab File ID: S1B1915

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 10 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	900	U
100-02-7	4-Nitrophenol	900	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	900	U
534-52-1	4,6-Dinitro-2-methylphenol	900	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo (a) anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)phthalate	44	J
117-84-0	Di-n-octylphthalate	360	UJ
205-99-2	Benzo (b) fluoranthene	360	UJ
207-08-9	Benzo (k) fluoranthene	360	UJ
50-32-8	Benzo (a) pyrene	360	UJ
193-39-5	Indeno (1,2,3-cd) pyrene	360	UJ
53-70-3	Dibenzo (a,h) anthracene	360	UJ
191-24-2	Benzo (g,h,i) perylene	360	UJ

(1) - Cannot be separated from Diphenylamine

GC
3/20/00

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS23C

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355009

Sample wt/vol: 30.9 (g/mL) G

Lab File ID: S1B1915

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 10 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.5

Number TICs found: 12

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.22	630	JB
2. 123-42-2	2 PENTANONE, 4-HYDROXY 4 MET	4.71	31000	ANJB
3.	UNKNOWN	5.77	540	JB
4. 872-05-9	1-DECENE	12.95	1400	NJ
5. 294-62-2	CYCLODODECANE	15.12	180	NJ
6.	UNKNOWN	21.84	170	J
7.	UNKNOWN ALKANE	22.12	84	J
8.	UNKNOWN	23.26	510	J
9.	UNKNOWN ALKANE	23.34	170	J
10. 630-07-9	PENTATRIACONTANE	23.92	86	NJ
11.	UNKNOWN ALKANE	24.50	340	J
12.	UNKNOWN	29.26	1300	J
13.				
14.				
15.				
16.				
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605
2/20/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25F

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355007

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B2311

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 12 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

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

108-95-2-----	Phenol	370	U
111-44-4-----	bis(-2-Chloroethyl) Ether	370	U
95-57-8-----	2-Chlorophenol	370	U
541-73-1-----	1,3-Dichlorobenzene	370	U
106-46-7-----	1,4-Dichlorobenzene	370	U
95-50-1-----	1,2-Dichlorobenzene	370	U
95-48-7-----	2-Methylphenol	370	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5-----	4-Methylphenol	370	U
621-64-7-----	N-Nitroso-di-n-propylamine	370	U
67-72-1-----	Hexachloroethane	370	U
98-95-3-----	Nitrobenzene	370	U
78-59-1-----	Isophorone	370	U
88-75-5-----	2-Nitrophenol	370	U
105-67-9-----	2,4-Dimethylphenol	370	U
120-83-2-----	2,4-Dichlorophenol	370	U
120-82-1-----	1,2,4-Trichlorobenzene	370	U
91-20-3-----	Naphthalene	370	U
106-47-8-----	4-Chloroaniline	370	U
111-91-1-----	bis(2-Chloroethoxy)methane	370	U
87-68-3-----	Hexachlorobutadiene	370	U
59-50-7-----	4-Chloro-3-methylphenol	370	U
91-57-6-----	2-Methylnaphthalene	370	U
77-47-4-----	Hexachlorocyclopentadiene	370	U
88-06-2-----	2,4,6-Trichlorophenol	370	U
95-95-4-----	2,4,5-Trichlorophenol	930	U
91-58-7-----	2-Chloronaphthalene	370	U
88-74-4-----	2-Nitroaniline	930	U
131-11-3-----	Dimethylphthalate	370	U
208-96-8-----	Acenaphthylene	370	U
606-20-2-----	2,6-Dinitrotoluene	370	U
99-09-2-----	3-Nitroaniline	930	U
83-32-9-----	Acenaphthene	370	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25F

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355007

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B2311

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 12 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

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

51-28-5-----	2,4-Dinitrophenol	930	U
100-02-7-----	4-Nitrophenol	930	U
132-64-9-----	Dibenzofuran	370	U
121-14-2-----	2,4-Dinitrotoluene	370	U
84-66-2-----	Diethylphthalate	370	U
7005-72-3-----	4-Chlorophenyl-phenylether	370	U
86-73-7-----	Fluorene	370	U
100-01-6-----	4-Nitroaniline	930	U
534-52-1-----	4,6-Dinitro-2-methylphenol	930	U
86-30-6-----	N-Nitrosodiphenylamine (1)	370	U
101-55-3-----	4-Bromophenyl-phenylether	370	U
118-74-1-----	Hexachlorobenzene	370	U
87-86-5-----	Pentachlorophenol	930	U
85-01-8-----	Phenanthrene	370	U
120-12-7-----	Anthracene	370	U
86-74-8-----	Carbazole	370	U
84-74-2-----	Di-n-butylphthalate	370	U
206-44-0-----	Fluoranthene	370	U
129-00-0-----	Pyrene	370	U
85-68-7-----	Butylbenzylphthalate	370	U
91-94-1-----	3,3'-Dichlorobenzidine	370	U
56-55-3-----	Benzo(a)anthracene	370	U
218-01-9-----	Chrysene	370	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	42	J
117-84-0-----	Di-n-octylphthalate	370	U
205-99-2-----	Benzo(b)fluoranthene	370	U
207-08-9-----	Benzo(k)fluoranthene	370	U
50-32-8-----	Benzo(a)pyrene	370	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	370	U
53-70-3-----	Dibenzo(a,h)anthracene	370	U
191-24-2-----	Benzo(g,h,i)perylene	370	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS25F

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355007

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B2311

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 12 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.6

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

Number TICs found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	~~2-PENTANONE, 4-HYDROXY 4-MET~~	~~2.49~~	~~20000~~	~~ANJB~~
2.	UNKNOWN	3.44	290	JB
3. 294-62-2	CYCLODODECANE	12.60	300	NJ
4. 57-10-3	HEXADECANOIC ACID	14.94	270	NJ
5. 10544-50-0	SULFUR, MOL. (S8)	15.55	83	NJ
6. 57-11-4	OCTADECANOIC ACID	16.47	97	NJ
7.	UNKNOWN	19.11	160	J
8.	UNKNOWN ALKANE	19.45	97	J
9.	UNKNOWN	19.83	79	J
10.	UNKNOWN ALKANE	20.07	110	J
11.	UNKNOWN ALKANE	20.66	100	J
12.	UNKNOWN ALKANE	21.23	96	J
13.	UNKNOWN ALKANE	22.32	110	J
14.	UNKNOWN	23.36	85	J
15.	UNKNOWN	24.98	1500	J
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

6605 3/20/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27A

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355003

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S1B1909

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 37 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

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

CAS NO.	COMPOUND	Q
108-95-2	Phenol	1000 U
111-44-4	bis(-2-Chloroethyl) Ether	1000 U
95-57-8	2-Chlorophenol	1000 U
541-73-1	1,3-Dichlorobenzene	1000 U
106-46-7	1,4-Dichlorobenzene	840 J
95-50-1	1,2-Dichlorobenzene	170 J
95-48-7	2-Methylphenol	1000 U
108-60-1	2,2'-oxybis(1-Chloropropane)	1000 U
106-44-5	4-Methylphenol	210 J
621-64-7	N-Nitroso-di-n-propylamine	1000 U
67-72-1	Hexachloroethane	1000 U
98-95-3	Nitrobenzene	1000 U
78-59-1	Isophorone	1000 U
88-75-5	2-Nitrophenol	1000 U
105-67-9	2,4-Dimethylphenol	1000 U
120-83-2	2,4-Dichlorophenol	1000 U
120-82-1	1,2,4-Trichlorobenzene	1000 U
91-20-3	Naphthalene	1700
106-47-8	4-Chloroaniline	1000 U
111-91-1	bis(2-Chloroethoxy)methane	1000 U
87-68-3	Hexachlorobutadiene	1000 U
59-50-7	4-Chloro-3-methylphenol	1000 U
91-57-6	2-Methylnaphthalene	650 J
77-47-4	Hexachlorocyclopentadiene	1000 U
88-06-2	2,4,6-Trichlorophenol	1000 U
95-95-4	2,4,5-Trichlorophenol	2600 U
91-58-7	2-Chloronaphthalene	1000 U
88-74-4	2-Nitroaniline	2600 U
131-11-3	Dimethylphthalate	1000 U
208-96-8	Acenaphthylene	1000 U
606-20-2	2,6-Dinitrotoluene	1000 U
99-09-2	3-Nitroaniline	2600 U
83-32-9	Acenaphthene	1000 U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27A

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355003

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S1B1909

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 37 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

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

51-28-5-----	2,4-Dinitrophenol	2600	U
100-02-7-----	4-Nitrophenol	2600	U
132-64-9-----	Dibenzofuran	1000	U
121-14-2-----	2,4-Dinitrotoluene	1000	U
84-66-2-----	Diethylphthalate	1000	U
7005-72-3-----	4-Chlorophenyl-phenylether	1000	U
86-73-7-----	Fluorene	1000	U
100-01-6-----	4-Nitroaniline	2600	U
534-52-1-----	4,6-Dinitro-2-methylphenol	2600	U
86-30-6-----	N-Nitrosodiphenylamine (1)	1000	U
101-55-3-----	4-Bromophenyl-phenylether	1000	U
118-74-1-----	Hexachlorobenzene	1000	U
87-86-5-----	Pentachlorophenol	2600	U
85-01-8-----	Phenanthrene	180	J
120-12-7-----	Anthracene	1000	U
86-74-8-----	Carbazole	1000	U
84-74-2-----	Di-n-butylphthalate	5800	
206-44-0-----	Fluoranthene	1000	U
129-00-0-----	Pyrene	200	J
85-68-7-----	Butylbenzylphthalate	1300	J
91-94-1-----	3,3'-Dichlorobenzidine	1000	UJ
56-55-3-----	Benzo(a)anthracene	1000	UJ
218-01-9-----	Chrysene	1000	UJ
117-81-7-----	bis(2-Ethylhexyl)phthalate	~~39000~~ E	
117-84-0-----	Di-n-octylphthalate	1000	UJ
205-99-2-----	Benzo(b)fluoranthene	1000	UJ
207-08-9-----	Benzo(k)fluoranthene	1000	UJ
50-32-8-----	Benzo(a)pyrene	1000	UJ
193-39-5-----	Indeno(1,2,3-cd)pyrene	1000	UJ
53-70-3-----	Dibenzo(a,h)anthracene	1000	UJ
191-24-2-----	Benzo(g,h,i)perylene	1000	UJ

(1) - Cannot be separated from Diphenylamine

EGF
3/24/00

use Rese
from dlt
analysis
SS27ADL

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS27A

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355003

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S1B1909

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 37 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.4

CONCENTRATION UNITS:

Number TICs found: 30

(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	4.65	20000	ANJB
2. 1120-21-4	UNDECANE	8.46	2500	NJ
3.	C4-BENZENE ISOMER	9.21	1300	J
4. 112-40-3	DODECANE	9.77	1100	NJ
5. 13540-56-2	BENZENE, 1,2-DIMETHYL-4-(PHE	14.95	4600	NJ
6. 57-10-3	HEXADECANOIC ACID	17.61	14000	NJ
7.	UNKNOWN ALKANE	17.85	11000	J
8. 629-94-7	HENEICOSANE	18.67	25000	NJ
9. 112-80-1	OLEIC ACID	19.05	9000	NJ
10. 57-11-4	OCTADECANOIC ACID	19.19	3400	NJ
11. 7396-38-5	PHENANTHRENE, 2,4,5,7-TETRAM	19.74	3500	NJ
12. 638-67-5	TRICOSANE	20.24	42000	NJ
13. 629-94-7	HENEICOSANE	20.58	2000	NJ
14. 646-31-1	TETRACOSANE	20.95	48000	NJ
15. 629-97-0	DOCOSANE	21.28	3400	NJ
16.	UNKNOWN ALKANE	21.63	42000	J
17.	UNKNOWN ALKANE	21.94	9600	J
18.	UNKNOWN ALKANE	22.25	35000	J
19.	UNKNOWN ALKANE	22.57	4600	J
20. 593-49-7	HEPTACOSANE	22.85	26000	NJ
21. 629-92-5	NONADECANE	23.17	5100	NJ
22. 73105-67-6	1-iodo-2-methylundecane	23.24	2800	NJ
23.	UNKNOWN ALKANE	23.74	1900	J
24. 55282-16-1	DOCOSANE, 5-BUTYL-	23.81	2300	NJ
25.	UNKNOWN ALKANE	24.37	1600	J
26.	UNKNOWN ALKANE	24.53	7500	J
27.	UNKNOWN	24.75	3300	J
28.	UNKNOWN ALKANE	25.06	4100	J
29.	UNKNOWN	25.40	1700	J
30.	UNKNOWN ALKANE	25.63	3300	J

GGF 3/20/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27ADL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355003DL

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S1B2316

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 37 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.4

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

108-95-2-----	Phenol	10000	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10000	U
95-57-8-----	2-Chlorophenol	10000	U
541-73-1-----	1,3-Dichlorobenzene	10000	U
106-46-7-----	1,4-Dichlorobenzene	10000	U
95-50-1-----	1,2-Dichlorobenzene	10000	U
95-48-7-----	2-Methylphenol	10000	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10000	U
106-44-5-----	4-Methylphenol	10000	U
621-64-7-----	N-Nitroso-di-n-propylamine	10000	U
67-72-1-----	Hexachloroethane	10000	U
98-95-3-----	Nitrobenzene	10000	U
78-59-1-----	Isophorone	10000	U
88-75-5-----	2-Nitrophenol	10000	U
105-67-9-----	2,4-Dimethylphenol	10000	U
120-83-2-----	2,4-Dichlorophenol	10000	U
120-82-1-----	1,2,4-Trichlorobenzene	10000	U
91-20-3-----	Naphthalene	1400	DJ
106-47-8-----	4-Chloroaniline	10000	U
111-91-1-----	bis(2-Chloroethoxy) methane	10000	U
87-68-3-----	Hexachlorobutadiene	10000	U
59-50-7-----	4-Chloro-3-methylphenol	10000	U
91-57-6-----	2-Methylnaphthalene	10000	U
77-47-4-----	Hexachlorocyclopentadiene	10000	U
88-06-2-----	2,4,6-Trichlorophenol	10000	U
95-95-4-----	2,4,5-Trichlorophenol	26000	U
91-58-7-----	2-Chloronaphthalene	10000	U
88-74-4-----	2-Nitroaniline	26000	U
131-11-3-----	Dimethylphthalate	10000	U
208-96-8-----	Acenaphthylene	10000	U
606-20-2-----	2,6-Dinitrotoluene	10000	U
99-09-2-----	3-Nitroaniline	26000	U
83-32-9-----	Acenaphthene	10000	U

FORM I SV-1

Calif
3/24/00

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27ADL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355003DL

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S1B2316

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: .37 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.4

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

CAS NO.	COMPOUND	Q
51-28-5-----	2,4-Dinitrophenol	26000 U
100-02-7-----	4-Nitrophenol	26000 U
132-64-9-----	Dibenzofuran	10000 U
121-14-2-----	2,4-Dinitrotoluene	10000 U
84-66-2-----	Diethylphthalate	10000 U
7005-72-3-----	4-Chlorophenyl-phenylether	10000 U
86-73-7-----	Fluorene	10000 U
100-01-6-----	4-Nitroaniline	26000 U
534-52-1-----	4,6-Dinitro-2-methylphenol	26000 U
86-30-6-----	N-Nitrosodiphenylamine (1)	10000 U
101-55-3-----	4-Bromophenyl-phenylether	10000 U
118-74-1-----	Hexachlorobenzene	10000 U
87-86-5-----	Pentachlorophenol	26000 U
85-01-8-----	Phenanthrene	10000 U
120-12-7-----	Anthracene	10000 U
86-74-8-----	Carbazole	10000 U
84-74-2-----	Di-n-butylphthalate	4700 DJ
206-44-0-----	Fluoranthene	10000 U
129-00-0-----	Pyrene	10000 U
85-68-7-----	Butylbenzylphthalate	10000 U
91-94-1-----	3,3'-Dichlorobenzidine	10000 U
56-55-3-----	Benzo (a) anthracene	10000 U
218-01-9-----	Chrysene	10000 U
117-81-7-----	bis(2-Ethylhexyl)phthalate	6000 DJ
117-84-0-----	Di-n-octylphthalate	10000 U
205-99-2-----	Benzo (b) fluoranthene	10000 U
207-08-9-----	Benzo (k) fluoranthene	10000 U
50-32-8-----	Benzo (a) pyrene	10000 U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10000 U
53-70-3-----	Dibenzo (a, h) anthracene	10000 U
191-24-2-----	Benzo (g, h, i) perylene	10000 U

(1) - Cannot be separated from Diphenylamine

use only
this result

3/20/00

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS27ADL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355003DL

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S1B2316

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 37 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.4

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

Number TICs found: 30

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	2.23	38000	ANJBD
2.	UNKNOWN ORGANIC ACID	14.97	21000	JD
3. 7704-34-9	SULFUR	15.59	18000	NJD
4.	UNKNOWN	15.92	14000	JD
5.	UNKNOWN ALKANE	16.02	32000	JD
6.	UNKNOWN ORGANIC ACID	16.36	24000	JD
7.	UNKNOWN ORGANIC ACID	16.49	6300	JD
8.	UNKNOWN ALKANE	16.79	100000	JD
9.	UNKNOWN ALKANE	17.53	180000	JD
10.	UNKNOWN ALKANE	18.23	230000	JD
11.	UNKNOWN ALKANE	18.59	11000	JD
12.	UNKNOWN ALKANE	18.89	240000	JD
13.	UNKNOWN PHTHALATE	19.00	10000	JD
14.	UNKNOWN ALKANE	19.23	25000	JD
15.	UNKNOWN ALKANE	19.52	190000	JD
16.	UNKNOWN ALKANE	19.85	8200	JD
17.	UNKNOWN ALKANE	19.92	5400	JD
18.	UNKNOWN ALKANE	20.12	73000	JD
19.	UNKNOWN ALKANE	20.46	15000	JD
20.	UNKNOWN CYCLO ALKANE	20.70	54000	JD
21.	UNKNOWN ALKANE	20.85	5200	JD
22.	UNKNOWN ALKANE	21.27	43000	JD
23.	UNKNOWN ALKANE	21.47	5100	JD
24.	UNKNOWN ALKANE	21.60	8400	JD
25.	UNKNOWN ALKANE	21.82	27000	JD
26.	UNKNOWN ALKANE	22.14	6400	JD
27.	UNKNOWN ALKANE	22.35	20000	JD
28.	UNKNOWN ALKANE	22.86	11000	JD
29.	UNKNOWN ALKANE	23.36	19000	JD
30.	UNKNOWN ALKANE	23.86	6500	JD

FORM I SV-TIC

64F
3/12/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355006

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S1B1912

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 18 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

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

108-95-2-----	Phenol	400	U
111-44-4-----	bis(-2-Chloroethyl) Ether	400	U
95-57-8-----	2-Chlorophenol	400	U
541-73-1-----	1,3-Dichlorobenzene	400	U
106-46-7-----	1,4-Dichlorobenzene	680	
95-50-1-----	1,2-Dichlorobenzene	92	J
95-48-7-----	2-Methylphenol	400	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5-----	4-Methylphenol	48	J
621-64-7-----	N-Nitroso-di-n-propylamine	400	U
67-72-1-----	Hexachloroethane	400	U
98-95-3-----	Nitrobenzene	400	U
78-59-1-----	Isophorone	400	U
88-75-5-----	2-Nitrophenol	400	U
105-67-9-----	2,4-Dimethylphenol	400	U
120-83-2-----	2,4-Dichlorophenol	400	U
120-82-1-----	1,2,4-Trichlorobenzene	400	U
91-20-3-----	Naphthalene	1600	
106-47-8-----	4-Chloroaniline	400	U
111-91-1-----	bis(2-Chloroethoxy)methane	400	U
87-68-3-----	Hexachlorobutadiene	400	U
59-50-7-----	4-Chloro-3-methylphenol	400	U
91-57-6-----	2-Methylnaphthalene	2200	
77-47-4-----	Hexachlorocyclopentadiene	400	U
88-06-2-----	2,4,6-Trichlorophenol	400	U
95-95-4-----	2,4,5-Trichlorophenol	1000	U
91-58-7-----	2-Chloronaphthalene	400	U
88-74-4-----	2-Nitroaniline	1000	U
131-11-3-----	Dimethylphthalate	400	U
208-96-8-----	Acenaphthylene	400	U
606-20-2-----	2,6-Dinitrotoluene	400	U
99-09-2-----	3-Nitroaniline	1000	U
83-32-9-----	Acenaphthene	170	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355006

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S1B1912

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 18 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

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

51-28-5-----	2,4-Dinitrophenol	1000	U
100-02-7-----	4-Nitrophenol	1000	U
132-64-9-----	Dibenzofuran	68	J
121-14-2-----	2,4-Dinitrotoluene	400	U
84-66-2-----	Diethylphthalate	76	J
7005-72-3-----	4-Chlorophenyl-phenylether	400	U
86-73-7-----	Fluorene	280	J
100-01-6-----	4-Nitroaniline	1000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	400	U
101-55-3-----	4-Bromophenyl-phenylether	400	U
118-74-1-----	Hexachlorobenzene	400	U
87-86-5-----	Pentachlorophenol	1000	U
85-01-8-----	Phenanthrene	830	
120-12-7-----	Anthracene	120	J
86-74-8-----	Carbazole	400	U
84-74-2-----	Di-n-butylphthalate	270	J
206-44-0-----	Fluoranthene	170	J
129-00-0-----	Pyrene	1000	J
85-68-7-----	Butylbenzylphthalate	930	J
91-94-1-----	3,3'-Dichlorobenzidine	400	UR
56-55-3-----	Benzo(a)anthracene	220	J
218-01-9-----	Chrysene	220	J
117-81-7-----	bis(2-Ethylhexyl)phthalate	16000	E
117-84-0-----	Di-n-octylphthalate	2900	J
205-99-2-----	Benzo(b)fluoranthene	150	J
207-08-9-----	Benzo(k)fluoranthene	62	J
50-32-8-----	Benzo(a)pyrene	160	J
193-39-5-----	Indeno(1,2,3-cd)pyrene	86	J
53-70-3-----	Dibenzo(a,h)anthracene	400	UR
191-24-2-----	Benzo(g,h,i)perylene	130	J

(1) - Cannot be separated from Diphenylamine

use result from
diluted
sample and
SS27B DL

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS27B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355006

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S1B1912

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 18 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.5

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	4.67	11000	ANJB
2.	C3-BENZENE ISOMER	7.00	1200	J
3.	UNKNOWN ALKANE	7.37	1300	J
4.	UNKNOWN	7.44	780	JB
5.	UNKNOWN ALKANE	7.82	2600	J
6.	C4-BENZENE ISOMER	7.91	820	J
7. 6975-98-0	DECANE, 2-METHYL-	7.97	1600	NJ
8.	UNKNOWN ALKANE	8.06	860	J
9.	C4-BENZENE ISOMER	8.17	1500	J
10.	UNKNOWN ALKANE	8.46	1200	J
11.	UNKNOWN	8.52	1000	JB
12.	UNKNOWN ALKANE	8.69	1400	J
13.	UNKNOWN ALKANE	8.75	1600	J
14.	C4-BENZENE ISOMER	8.81	1600	J
15.	UNKNOWN ALKANE	9.00	1200	J
16.	C4-BENZENE ISOMER	9.21	2200	J
17.	UNKNOWN	9.28	1700	JB
18.	UNKNOWN ALKANE	9.40	1600	J
19. 17301-23-4	UNDECANE, 2,6-DIMETHYL-	9.93	870	NJ
20. 6682-71-9	1H-INDENE, 2,3-DIHYDRO-4,7-D	10.49	540	NJ
21. 90-12-0	NAPHTHALENE, 1-METHYL-	11.31	590	NJ
22.	UNKNOWN	14.32	1500	J
23.	UNKNOWN ALCOHOL	14.70	230	J
24. 1921-70-6	PENTADECANE, 2,6,10,14-TETRA	15.25	800	NJ
25. 630-06-8	HEXATRIACONTANE	22.20	890	NJ
26. 629-78-7	HEPTADECANE	22.81	300	NJ
27. 112-95-8	EICOSANE	23.98	4500	NJ
28. 35599-77-0	TRIDECANE, 1-iodo-	24.53	3500	NJ
29.	UNKNOWN	25.15	1900	J
30.	UNKNOWN	25.64	1800	J

86F
3/30/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27BDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355006DL

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S1B2325

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 18 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	4000 U	
111-44-4	bis(-2-Chloroethyl) Ether	4000 U	
95-57-8	2-Chlorophenol	4000 U	
541-73-1	1,3-Dichlorobenzene	4000 U	
106-46-7	1,4-Dichlorobenzene	4000 U	
95-50-1	1,2-Dichlorobenzene	4000 U	
95-48-7	2-Methylphenol	4000 U	
108-60-1	2,2'-oxybis(1-Chloropropane)	4000 U	
106-44-5	4-Methylphenol	4000 U	
621-64-7	N-Nitroso-di-n-propylamine	4000 U	
67-72-1	Hexachloroethane	4000 U	
98-95-3	Nitrobenzene	4000 U	
78-59-1	Isophorone	4000 U	
88-75-5	2-Nitrophenol	4000 U	
105-67-9	2,4-Dimethylphenol	4000 U	
120-83-2	2,4-Dichlorophenol	4000 U	
120-82-1	1,2,4-Trichlorobenzene	4000 U	
91-20-3	Naphthalene	1700 DJ	
106-47-8	4-Chloroaniline	4000 U	
111-91-1	bis(2-Chloroethoxy)methane	4000 U	
87-68-3	Hexachlorobutadiene	4000 U	
59-50-7	4-Chloro-3-methylphenol	4000 U	
91-57-6	2-Methylnaphthalene	2800 DJ	
77-47-4	Hexachlorocyclopentadiene	4000 U	
88-06-2	2,4,6-Trichlorophenol	4000 U	
95-95-4	2,4,5-Trichlorophenol	10000 U	
91-58-7	2-Chloronaphthalene	4000 U	
88-74-4	2-Nitroaniline	10000 U	
131-11-3	Dimethylphthalate	4000 U	
208-96-8	Acenaphthylene	4000 U	
606-20-2	2,6-Dinitrotoluene	4000 U	
99-09-2	3-Nitroaniline	10000 U	
83-32-9	Acenaphthene	4000 U	

use results from und. l. ed analysis

CAF 2/17/00

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27BDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355006DL

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S1B2325

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 18 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.5

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

51-28-5-----	2,4-Dinitrophenol	10000	U
100-02-7-----	4-Nitrophenol	10000	U
132-64-9-----	Dibenzofuran	4000	U
121-14-2-----	2,4-Dinitrotoluene	4000	U
84-66-2-----	Diethylphthalate	4000	U
7005-72-3-----	4-Chlorophenyl-phenylether	4000	U
86-73-7-----	Fluorene	4000	U
100-01-6-----	4-Nitroaniline	10000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	10000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	4000	U
101-55-3-----	4-Bromophenyl-phenylether	4000	U
118-74-1-----	Hexachlorobenzene	4000	U
87-86-5-----	Pentachlorophenol	10000	U
85-01-8-----	Phenanthrene	4000	U
120-12-7-----	Anthracene	4000	U
86-74-8-----	Carbazole	4000	U
84-74-2-----	Di-n-butylphthalate	4000	U
206-44-0-----	Fluoranthene	4000	U
129-00-0-----	Pyrene	4000	U
85-68-7-----	Butylbenzylphthalate	1400	DJ
91-94-1-----	3,3'-Dichlorobenzidine	4000	U
56-55-3-----	Benzo(a)anthracene	4000	U
218-01-9-----	Chrysene	4000	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	16000	D
117-84-0-----	Di-n-octylphthalate	4000	U
205-99-2-----	Benzo(b)fluoranthene	4000	U
207-08-9-----	Benzo(k)fluoranthene	4000	U
50-32-8-----	Benzo(a)pyrene	4000	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	4000	U
53-70-3-----	Dibenzo(a,h)anthracene	4000	U
191-24-2-----	Benzo(g,h,i)perylene	4000	U

(1) - Cannot be separated from Diphenylamine

use
only
these
results

668
3/17/00

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS27BDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355006DL

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S1B2325

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 18 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.5

Number TICs found: 26

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	2.28	23000	ANJBD
2.	C4-BENZENE ISOMER	4.57	2600	JD
3.	UNKNOWN ALKANE	5.01	3100	JD
4.	UNKNOWN ALKANE	5.14	5200	JD
5.	UNKNOWN ALKANE	5.40	2600	JD
6.	C4-BENZENE ISOMER	5.48	2700	JD
7.	UNKNOWN ALKANE	5.59	3100	JD
8.	C4-BENZENE ISOMER	5.72	4000	JD
9.	C4-BENZENE ISOMER	6.09	2700	JD
10.	C4-BENZENE ISOMER	6.32	3400	JD
11.	UNKNOWN	6.45	1300	JBD
12.	UNKNOWN	6.54	1800	JBD
13.	C4-BENZENE ISOMER	6.72	1900	JD
14.	UNKNOWN ALKANE	6.87	3100	JD
15.	UNKNOWN ALKANE	6.94	1600	JD
16.	UNKNOWN ALKANE	8.24	1400	JD
17.	NAPHTHALENE DIMETHYL ISOMER	9.73	1700	JD
18.	NAPHTHALENE TRIMETHYL ISOMER	11.21	1800	JD
19.	UNKNOWN	11.72	1800	JD
20.	UNKNOWN	12.61	1500	JD
21.	UNKNOWN	12.71	4300	JD
22.	UNKNOWN	13.07	900	JD
23.	UNKNOWN ORGANIC ACID	15.30	140000	JD
24. 10544-50-0	SULFUR, MOL. (S8)	15.66	17000	NJD
25.	UNKNOWN ORGANIC ACID	15.82	8000	JD
26.	UNKNOWN ORGANIC ACID	16.72	160000	JD
27.				
28.				
29.				
30.				

60F
3/17/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355008

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: S1B2312

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 46

decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.4

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

108-95-2-----	Phenol	610	U
111-44-4-----	bis(-2-Chloroethyl) Ether	610	U
95-57-8-----	2-Chlorophenol	610	U
541-73-1-----	1,3-Dichlorobenzene	610	U
106-46-7-----	1,4-Dichlorobenzene	270	J
95-50-1-----	1,2-Dichlorobenzene	82	J
95-48-7-----	2-Methylphenol	610	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	610	U
106-44-5-----	4-Methylphenol	170	J
621-64-7-----	N-Nitroso-di-n-propylamine	610	U
67-72-1-----	Hexachloroethane	610	U
98-95-3-----	Nitrobenzene	610	U
78-59-1-----	Isophorone	610	U
88-75-5-----	2-Nitrophenol	610	U
105-67-9-----	2,4-Dimethyphenol	610	U
120-83-2-----	2,4-Dichlorophenol	610	U
120-82-1-----	1,2,4-Trichlorobenzene	610	U
91-20-3-----	Naphthalene	360	J
106-47-8-----	4-Chloroaniline	610	U
111-91-1-----	bis(2-Chloroethoxy) methane	610	U
87-68-3-----	Hexachlorobutadiene	610	U
59-50-7-----	4-Chloro-3-methylphenol	610	U
91-57-6-----	2-Methylnaphthalene	140	J
77-47-4-----	Hexachlorocyclopentadiene	610	U
88-06-2-----	2,4,6-Trichlorophenol	610	U
95-95-4-----	2,4,5-Trichlorophenol	1500	U
91-58-7-----	2-Chloronaphthalene	610	U
88-74-4-----	2-Nitroaniline	1500	U
131-11-3-----	Dimethylphthalate	610	U
208-96-8-----	Acenaphthylene	610	U
606-20-2-----	2,6-Dinitrotoluene	610	U
99-09-2-----	3-Nitroaniline	1500	U
83-32-9-----	Acenaphthene	610	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355008

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: S1B2312

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 46 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
51-28-5	2,4-Dinitrophenol	1500	U
100-02-7	4-Nitrophenol	1500	U
132-64-9	Dibenzofuran	610	U
121-14-2	2,4-Dinitrotoluene	610	U
84-66-2	Diethylphthalate	610	U
7005-72-3	4-Chlorophenyl-phenylether	610	U
86-73-7	Fluorene	610	U
100-01-6	4-Nitroaniline	1500	U
534-52-1	4,6-Dinitro-2-methylphenol	1500	U
86-30-6	N-Nitrosodiphenylamine (1)	610	U
101-55-3	4-Bromophenyl-phenylether	610	U
118-74-1	Hexachlorobenzene	610	U
87-86-5	Pentachlorophenol	1500	U
85-01-8	Phenanthrene	610	U
120-12-7	Anthracene	610	U
86-74-8	Carbazole	610	U
84-74-2	Di-n-butylphthalate	610	U
206-44-0	Fluoranthene	610	U
129-00-0	Pyrene	610	U
85-68-7	Butylbenzylphthalate	610	U
91-94-1	3,3'-Dichlorobenzidine	610	U
56-55-3	Benzo(a)anthracene	610	U
218-01-9	Chrysene	610	U
117-81-7	bis(2-Ethylhexyl)phthalate	1900	U
117-84-0	Di-n-octylphthalate	610	U
205-99-2	Benzo(b)fluoranthene	610	U
207-08-9	Benzo(k)fluoranthene	610	U
50-32-8	Benzo(a)pyrene	610	U
193-39-5	Indeno(1,2,3-cd)pyrene	610	U
53-70-3	Dibenzo(a,h)anthracene	610	U
191-24-2	Benzo(g,h,i)perylene	610	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS27D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355008

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: S1B2312

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 46 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

Number TICs found: 28

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	2.56	28000	ANJB
2.	UNKNOWN	3.49	580	JB
3.	UNKNOWN ALKANE	5.02	560	J
4.	UNKNOWN ORGANIC ACID	7.54	750	J
5. 92-52-4	BIPHENYL	9.46	1500	NJ
6.	PHENOL 4-TETRAMETHYLBUTYL IS	11.76	4000	J
7.	PHENOL PHENYLMETHYL ISOMER	12.50	220	J
8.	UNKNOWN ALKANE	12.70	760	J
9.	UNKNOWN	14.35	1200	J
10.	UNKNOWN PHTHALATE	14.92	580	J
11. 57-10-3	HEXADECANOIC ACID	15.31	7200	NJ
12.	UNKNOWN	16.01	3300	J
13. 112-80-1	OLEIC ACID	16.53	3300	NJ
14.	UNKNOWN ALKANE	16.86	7800	J
15.	UNKNOWN ALKANE	17.59	6300	J
16.	UNKNOWN ALKANE	18.29	4100	J
17.	UNKNOWN ALKANE	18.96	3100	J
18.	UNKNOWN ALKANE	19.58	5800	J
19.	UNKNOWN ALKANE	20.19	5400	J
20.	UNKNOWN ALKANE	20.77	3300	J
21.	UNKNOWN ALKANE	21.33	2400	J
22.	UNKNOWN ALKANE	21.65	770	J
23.	UNKNOWN ALKANE	21.87	1600	J
24.	UNKNOWN	22.20	500	J
25.	UNKNOWN ALKANE	22.39	1400	J
26.	UNKNOWN ALKANE	22.90	370	J
27.	UNKNOWN	23.21	160	J
28.	UNKNOWN ALKANE	23.40	440	J
29.				
30.				

FORM I SV-TIC

EGF
3/20/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27E891

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355005

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: S1B1911

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 23 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

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

108-95-2-----	Phenol	420	U
111-44-4-----	bis(-2-Chloroethyl) Ether	420	U
95-57-8-----	2-Chlorophenol	420	U
541-73-1-----	1,3-Dichlorobenzene	420	U
106-46-7-----	1,4-Dichlorobenzene	300	J
95-50-1-----	1,2-Dichlorobenzene	420	U
95-48-7-----	2-Methylphenol	420	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	420	U
106-44-5-----	4-Methylphenol	170	J
621-64-7-----	N-Nitroso-di-n-propylamine	420	U
67-72-1-----	Hexachloroethane	420	U
98-95-3-----	Nitrobenzene	420	U
78-59-1-----	Isophorone	420	U
88-75-5-----	2-Nitrophenol	420	U
105-67-9-----	2,4-Dimethylphenol	420	U
120-83-2-----	2,4-Dichlorophenol	420	U
120-82-1-----	1,2,4-Trichlorobenzene	420	U
91-20-3-----	Naphthalene	620	
106-47-8-----	4-Chloroaniline	420	U
111-91-1-----	bis(2-Chloroethoxy)methane	420	U
87-68-3-----	Hexachlorobutadiene	420	U
59-50-7-----	4-Chloro-3-methylphenol	420	U
91-57-6-----	2-Methylnaphthalene	160	J
77-47-4-----	Hexachlorocyclopentadiene	420	U
88-06-2-----	2,4,6-Trichlorophenol	420	U
95-95-4-----	2,4,5-Trichlorophenol	1100	U
91-58-7-----	2-Chloronaphthalene	420	U
88-74-4-----	2-Nitroaniline	1100	U
131-11-3-----	Dimethylphthalate	420	U
208-96-8-----	Acenaphthylene	420	U
606-20-2-----	2,6-Dinitrotoluene	420	U
99-09-2-----	3-Nitroaniline	1100	U
83-32-9-----	Acenaphthene	420	U

60F
3/30/00

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27E891

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355005

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: S1B1911

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 23 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.2

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	1100	U
100-02-7-----	4-Nitrophenol	1100	U
132-64-9-----	Dibenzofuran	420	U
121-14-2-----	2,4-Dinitrotoluene	420	U
84-66-2-----	Diethylphthalate	420	U
7005-72-3-----	4-Chlorophenyl-phenylether	420	U
86-73-7-----	Fluorene	420	U
100-01-6-----	4-Nitroaniline	1100	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	420	U
101-55-3-----	4-Bromophenyl-phenylether	420	U
118-74-1-----	Hexachlorobenzene	420	U
87-86-5-----	Pentachlorophenol	1100	U
85-01-8-----	Phenanthrene	170	J
120-12-7-----	Anthracene	420	U
86-74-8-----	Carbazole	420	U
84-74-2-----	Di-n-butylphthalate	630	
206-44-0-----	Fluoranthene	160	J
129-00-0-----	Pyrene	250	J
85-68-7-----	Butylbenzylphthalate	990	J
91-94-1-----	3,3'-Dichlorobenzidine	420	UJ
56-55-3-----	Benzo (a) anthracene	58	J
218-01-9-----	Chrysene	63	J
117-81-7-----	bis(2-Ethylhexyl)phthalate	8300	E
117-84-0-----	Di-n-octylphthalate	290	J
205-99-2-----	Benzo (b) fluoranthene	420	UJ
207-08-9-----	Benzo (k) fluoranthene	420	UJ
50-32-8-----	Benzo (a) pyrene	420	UJ
193-39-5-----	Indeno (1,2,3-cd) pyrene	420	UJ
53-70-3-----	Dibenzo (a,h) anthracene	420	UJ
191-24-2-----	Benzo (g,h,i) perylene	420	UJ

(1) - Cannot be separated from Diphenylamine

use results
from diluted
sample
SS27E891DL

666
3/24/00

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS27E891

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355005

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: S1B1911

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 23 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.70~~	~~22000~~	~~ANJB~~
2. 1120-21-4	UNDECANE	8.47	3700	NJ
3. 120-40-1	DODECANAMIDE, N,N-BIS(2-HYDR	13.89	950	NJ
4. 629-78-7	HEPTADECANE	15.21	870	NJ
5.	UNKNOWN	15.27	520	J
6.	UNKNOWN	15.35	820	J
7.	PHENOL 4-TETRAMETHYLBUTYL IS	15.43	990	J
8.	PHENOL 4-TETRAMETHYLBUTYL IS	15.72	590	J
9.	UNKNOWN	15.79	1100	J
10. 57-10-3	HEXADECANOIC ACID	17.69	6600	NJ
11. 112-95-8	EICOSANE	17.84	1700	NJ
12.	UNKNOWN ALKANE	18.63	550	J
13.	UNKNOWN	18.82	4000	J
14. 57-11-4	OCTADECANOIC ACID	19.23	740	NJ
15.	UNKNOWN ALKANE	19.41	270	J
16.	C4-PHENANTHRENE ISOMER	19.74	540	J
17. 7225-66-3	TRIDECANE, 7-HEXYL-	20.15	820	NJ
18. 646-31-1	TETRACOSANE	20.85	1500	NJ
19. 629-97-0	DOCOSANE	22.17	1400	NJ
20. 13475-75-7	PENTADECANE, 8-HEXYL-	22.79	510	NJ
21. 593-49-7	HEPTACOSANE	23.15	580	NJ
22. 7225-64-1	HEPTADECANE, 9-OCTYL-	23.39	820	NJ
23.	UNKNOWN ALKANE	24.52	420	J
24.	UNKNOWN ALKANE	25.06	290	J
25.	UNKNOWN	25.40	140	J
26. 630-06-8	HEXATRIACONTANE	25.64	140	NJ
27.	UNKNOWN	26.70	100	J
28.	UNKNOWN	26.81	120	J
29.	UNKNOWN	27.11	97	J
30.	UNKNOWN	28.86	120	J

665
3/29/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27E891DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355005DL

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: S1B2317

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 23 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2100	U
111-44-4	bis(-2-Chloroethyl) Ether	2100	U
95-57-8	2-Chlorophenol	2100	U
541-73-1	1,3-Dichlorobenzene	2100	U
106-46-7	1,4-Dichlorobenzene	2100	U
95-50-1	1,2-Dichlorobenzene	2100	U
95-48-7	2-Methylphenol	2100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2100	U
106-44-5	4-Methylphenol	2100	U
621-64-7	N-Nitroso-di-n-propylamine	2100	U
67-72-1	Hexachloroethane	2100	U
98-95-3	Nitrobenzene	2100	U
78-59-1	Isophorone	2100	U
88-75-5	2-Nitrophenol	2100	U
105-67-9	2,4-Dimethylphenol	2100	U
120-83-2	2,4-Dichlorophenol	2100	U
120-82-1	1,2,4-Trichlorobenzene	2100	U
91-20-3	Naphthalene	570	DJ
106-47-8	4-Chloroaniline	2100	U
111-91-1	bis(2-Chloroethoxy)methane	2100	U
87-68-3	Hexachlorobutadiene	2100	U
59-50-7	4-Chloro-3-methylphenol	2100	U
91-57-6	2-Methylnaphthalene	2100	U
77-47-4	Hexachlorocyclopentadiene	2100	U
88-06-2	2,4,6-Trichlorophenol	2100	U
95-95-4	2,4,5-Trichlorophenol	5300	U
91-58-7	2-Chloronaphthalene	2100	U
88-74-4	2-Nitroaniline	5300	U
131-11-3	Dimethylphthalate	2100	U
208-96-8	Acenaphthylene	2100	U
606-20-2	2,6-Dinitrotoluene	2100	U
99-09-2	3-Nitroaniline	5300	U
83-32-9	Acenaphthene	2100	U

6.65
3/26/00

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27E891DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355005DL

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: S1B2317

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 23 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.2

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

51-28-5-----	2,4-Dinitrophenol	5300	U
100-02-7-----	4-Nitrophenol	5300	U
132-64-9-----	Dibenzofuran	2100	U
121-14-2-----	2,4-Dinitrotoluene	2100	U
84-66-2-----	Diethylphthalate	2100	U
7005-72-3-----	4-Chlorophenyl-phenylether	2100	U
86-73-7-----	Fluorene	2100	U
100-01-6-----	4-Nitroaniline	5300	U
534-52-1-----	4,6-Dinitro-2-methylphenol	5300	U
86-30-6-----	N-Nitrosodiphenylamine (1)	2100	U
101-55-3-----	4-Bromophenyl-phenylether	2100	U
118-74-1-----	Hexachlorobenzene	2100	U
87-86-5-----	Pentachlorophenol	5300	U
85-01-8-----	Phenanthrene	2100	U
120-12-7-----	Anthracene	2100	U
86-74-8-----	Carbazole	2100	U
84-74-2-----	Di-n-butylphthalate	530	DJ
206-44-0-----	Fluoranthene	2100	U
129-00-0-----	Pyrene	2100	U
85-68-7-----	Butylbenzylphthalate	660	DJ
91-94-1-----	3,3'-Dichlorobenzidine	2100	U
56-55-3-----	Benzo(a)anthracene	2100	U
218-01-9-----	Chrysene	2100	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	5500	D
117-84-0-----	Di-n-octylphthalate	2100	U
205-99-2-----	Benzo(b)fluoranthene	2100	U
207-08-9-----	Benzo(k)fluoranthene	2100	U
50-32-8-----	Benzo(a)pyrene	2100	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	2100	U
53-70-3-----	Dibenzo(a,h)anthracene	2100	U
191-24-2-----	Benzo(g,h,i)perylene	2100	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

46F
3/20/00

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS27E891DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355005DL

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: S1B2317

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 23 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs found: 29

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	2.30	27000	ANJBD
2.	UNKNOWN ALKANE	6.10	2600	JD
3.	PHENOL 4-TETRAMETHYLBUTYL IS	11.72	2400	JD
4.	UNKNOWN	12.74	3000	JD
5.	UNKNOWN ORGANIC ACID	15.09	22000	JD
6. 10544-50-0	SULFUR, MOL. (S8)	15.63	8500	NJD
7.	UNKNOWN	15.94	3300	JD
8.	UNKNOWN ORGANIC ACID	16.37	8700	JD
9.	UNKNOWN ALKANE	16.76	6600	JD
10.	UNKNOWN ALKANE	17.48	3400	JD
11.	UNKNOWN ALKANE	18.18	5000	JD
12.	UNKNOWN ORGANIC ACID	18.42	2900	JD
13.	UNKNOWN ALKANE	18.84	6700	JD
14.	UNKNOWN PHTHALATE	19.27	2600	JD
15.	UNKNOWN ALKANE	19.49	6200	JD
16.	UNKNOWN ALKANE	20.09	11000	JD
17.	UNKNOWN	20.42	3400	JD
18.	UNKNOWN ALKANE	20.69	10000	JD
19.	UNKNOWN ALKANE	21.28	18000	JD
20.	UNKNOWN ALKANE	21.82	5000	JD
21.	UNKNOWN	22.17	3300	JD
22.	UNKNOWN ALKANE	22.36	12000	JD
23.	UNKNOWN	22.60	3100	JD
24.	UNKNOWN ALKANE	22.89	4800	JD
25.	UNKNOWN	23.19	4200	JD
26.	UNKNOWN	23.40	20000	JD
27.	UNKNOWN	23.55	3100	JD
28.	UNKNOWN	23.62	4300	JD
29. 1058-61-3	STIGMAST-4-EN-3-ONE	23.99	2800	NJD
30.				

60F
9/20/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS29E

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355004

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: S1B1910

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 15 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

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

108-95-2-----	Phenol	380	U
111-44-4-----	bis(-2-Chloroethyl) Ether	380	U
95-57-8-----	2-Chlorophenol	380	U
541-73-1-----	1,3-Dichlorobenzene	380	U
106-46-7-----	1,4-Dichlorobenzene	380	U
95-50-1-----	1,2-Dichlorobenzene	380	U
95-48-7-----	2-Methylphenol	380	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5-----	4-Methylphenol	380	U
621-64-7-----	N-Nitroso-di-n-propylamine	380	U
67-72-1-----	Hexachloroethane	380	U
98-95-3-----	Nitrobenzene	380	U
78-59-1-----	Isophorone	380	U
88-75-5-----	2-Nitrophenol	380	U
105-67-9-----	2,4-Dimethylphenol	380	U
120-83-2-----	2,4-Dichlorophenol	380	U
120-82-1-----	1,2,4-Trichlorobenzene	380	U
91-20-3-----	Naphthalene	2600	
106-47-8-----	4-Chloroaniline	380	U
111-91-1-----	bis(2-Chloroethoxy)methane	380	U
87-68-3-----	Hexachlorobutadiene	380	U
59-50-7-----	4-Chloro-3-methylphenol	380	U
91-57-6-----	2-Methylnaphthalene	630	
77-47-4-----	Hexachlorocyclopentadiene	380	U
88-06-2-----	2,4,6-Trichlorophenol	380	U
95-95-4-----	2,4,5-Trichlorophenol	960	U
91-58-7-----	2-Chloronaphthalene	380	U
88-74-4-----	2-Nitroaniline	960	U
131-11-3-----	Dimethylphthalate	380	U
208-96-8-----	Acenaphthylene	87	J
606-20-2-----	2,6-Dinitrotoluene	380	U
99-09-2-----	3-Nitroaniline	960	U
83-32-9-----	Acenaphthene	360	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS29E

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355004

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: S1B1910

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 15 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

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

51-28-5-----	2,4-Dinitrophenol	960	U
100-02-7-----	4-Nitrophenol	960	U
132-64-9-----	Dibenzofuran	320	J
121-14-2-----	2,4-Dinitrotoluene	380	U
84-66-2-----	Diethylphthalate	380	U
7005-72-3-----	4-Chlorophenyl-phenylether	380	U
86-73-7-----	Fluorene	520	
100-01-6-----	4-Nitroaniline	960	U
534-52-1-----	4,6-Dinitro-2-methylphenol	960	U
86-30-6-----	N-Nitrosodiphenylamine (1)	380	U
101-55-3-----	4-Bromophenyl-phenylether	380	U
118-74-1-----	Hexachlorobenzene	380	U
87-86-5-----	Pentachlorophenol	960	U
85-01-8-----	Phenanthrene	2700	
120-12-7-----	Anthracene	490	
86-74-8-----	Carbazole	440	
84-74-2-----	Di-n-butylphthalate	380	U
206-44-0-----	Fluoranthene	1600	
129-00-0-----	Pyrene	1500	
85-68-7-----	Butylbenzylphthalate	380	U
91-94-1-----	3,3'-Dichlorobenzidine	380	U
56-55-3-----	Benzo (a) anthracene	460	
218-01-9-----	Chrysene	450	
117-81-7-----	bis (2-Ethylhexyl) phthalate	54	J
117-84-0-----	Di-n-octylphthalate	380	UR
205-99-2-----	Benzo (b) fluoranthene	500	R
207-08-9-----	Benzo (k) fluoranthene	210	JR
50-32-8-----	Benzo (a) pyrene	400	R
193-39-5-----	Indeno (1,2,3-cd) pyrene	150	J
53-70-3-----	Dibenzo (a,h) anthracene	380	UR
191-24-2-----	Benzo (g,h,i) perylene	160	JR

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

66.8
3/20/00

use result
from
reanalysis
SS29E

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS29E

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355004

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: S1B1910

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 15 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 25

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.20	510	JB R
2. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	4.70	30000	ANJB R
3.	UNKNOWN	5.77	580	JB R
4.	UNKNOWN	6.49	300	JB
5. 124-18-5	DECANE	7.03	250	NJ
6. 1120-21-4	UNDECANE	8.45	230	NJ
7.	C4-BENZENE ISOMER	9.20	210	J
8.	UNKNOWN	9.37	270	JB
9. 17301-23-4	UNDECANE, 2,6-DIMETHYL-	9.91	220	NJ
10.	UNKNOWN ALKANE	10.64	100	J
11. 629-50-5	TRIDECANE	10.98	150	NJ
12. 90-12-0	NAPHTHALENE, 1-METHYL-	11.29	260	NJ
13. 92-52-4	BIPHENYL	12.04	120	NJ
14. 629-59-4	TETRADECANE	12.13	150	NJ
15.	C2-NAPHTHALENE ISOMER	12.51	100	J
16.	UNKNOWN ALKANE	12.78	160	J
17. 132-65-0	DIBENZOTHIOPHENE	15.94	130	NJ
18. 203-64-5	4H-CYCLOPENTA[DEF] PHENANTHRE	17.39	330	NJ
19. 612-94-2	NAPHTHALENE, 2-PHENYL-	17.81	240	NJ
20. 10544-50-0	SULFUR, MOL. (S8)	18.69	120	NJ
21.	UNKNOWN ALKANE	22.75	150	J
22.	UNKNOWN ALKANE	23.94	480	J
23. 112-95-8	EICOSANE	24.50	500	NJ
24.	UNKNOWN ALKANE	25.05	770	J
25.	UNKNOWN	26.66	440	J
26.				
27.				
28.				
29.				
30.				

668
3/20/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS29ERE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355004RE

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: S1B2310

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 15 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

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

108-95-2-----	Phenol	380	U
111-44-4-----	bis(-2-Chloroethyl) Ether	380	U
95-57-8-----	2-Chlorophenol	380	U
541-73-1-----	1,3-Dichlorobenzene	380	U
106-46-7-----	1,4-Dichlorobenzene	380	U
95-50-1-----	1,2-Dichlorobenzene	380	U
95-48-7-----	2-Methylphenol	380	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5-----	4-Methylphenol	380	U
621-64-7-----	N-Nitroso-di-n-propylamine	380	U
67-72-1-----	Hexachloroethane	380	U
98-95-3-----	Nitrobenzene	380	U
78-59-1-----	Isophorone	380	U
88-75-5-----	2-Nitrophenol	380	U
105-67-9-----	2,4-Dimethylphenol	380	U
120-83-2-----	2,4-Dichlorophenol	380	U
120-82-1-----	1,2,4-Trichlorobenzene	380	U
91-20-3-----	Naphthalene	2300	U
106-47-8-----	4-Chloroaniline	380	U
111-91-1-----	bis(2-Chloroethoxy) methane	380	U
87-68-3-----	Hexachlorobutadiene	380	U
59-50-7-----	4-Chloro-3-methylphenol	380	U
91-57-6-----	2-Methylnaphthalene	630	U
77-47-4-----	Hexachlorocyclopentadiene	380	U
88-06-2-----	2,4,6-Trichlorophenol	380	U
95-95-4-----	2,4,5-Trichlorophenol	960	U
91-58-7-----	2-Chloronaphthalene	380	U
88-74-4-----	2-Nitroaniline	960	U
131-11-3-----	Dimethylphthalate	380	U
208-96-8-----	Acenaphthylene	71	J
606-20-2-----	2,6-Dinitrotoluene	380	U
99-09-2-----	3-Nitroaniline	960	U
83-32-9-----	Acenaphthene	330	J

665
3/24/00

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS29ERE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355004RE

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: S1B2310

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 15 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

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

51-28-5-----	2,4-Dinitrophenol	960	U
100-02-7-----	4-Nitrophenol	960	U
132-64-9-----	Dibenzofuran	280	J
121-14-2-----	2,4-Dinitrotoluene	380	U
84-66-2-----	Diethylphthalate	380	U
7005-72-3-----	4-Chlorophenyl-phenylether	380	U
86-73-7-----	Fluorene	470	
100-01-6-----	4-Nitroaniline	960	U
534-52-1-----	4,6-Dinitro-2-methylphenol	960	U
86-30-6-----	N-Nitrosodiphenylamine (1)	380	U
101-55-3-----	4-Bromophenyl-phenylether	380	U
118-74-1-----	Hexachlorobenzene	380	U
87-86-5-----	Pentachlorophenol	960	U
85-01-8-----	Phenanthrene	1800	
120-12-7-----	Anthracene	350	J
86-74-8-----	Carbazole	500	
84-74-2-----	Di-n-butylphthalate	380	U
206-44-0-----	Fluoranthene	1300	
129-00-0-----	Pyrene	1100	
85-68-7-----	Butylbenzylphthalate	380	U
91-94-1-----	3,3'-Dichlorobenzidine	380	U
56-55-3-----	Benzo(a)anthracene	400	
218-01-9-----	Chrysene	340	J
117-81-7-----	bis(2-Ethylhexyl)phthalate	380	U
117-84-0-----	Di-n-octylphthalate	380	U
205-99-2-----	Benzo(b)fluoranthene	390	
207-08-9-----	Benzo(k)fluoranthene	190	J
50-32-8-----	Benzo(a)pyrene	300	J
193-39-5-----	Indeno(1,2,3-cd)pyrene	170	J
53-70-3-----	Dibenzo(a,h)anthracene	380	U
191-24-2-----	Benzo(g,h,i)perylene	150	J

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

use these results
66E
3/30/00

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS29ERE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355004RE

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: S1B2310

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 15 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 29

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	2.63	28000	ANJB
2.	UNKNOWN	3.48	420	JB
3.	UNKNOWN ALKANE	6.10	200	J
4.	UNKNOWN	6.64	300	JB
5.	UNKNOWN	7.01	240	JB
6.	UNKNOWN	8.05	240	JB
7.	UNKNOWN ALKANE	8.58	190	J
8. 90-12-0	NAPHTHALENE, 1-METHYL-	8.67	340	NJ
9. 92-52-4	BIPHENYL	9.45	270	NJ
10.	UNKNOWN ALKANE	9.70	230	J
11.	C2-NAPHTHALENE ISOMER	9.87	230	J
12.	UNKNOWN ALKANE	10.75	230	J
13.	UNKNOWN ALKANE	11.73	160	J
14. 203-64-5	4H-CYCLOPENTA[DEF] PHENANTHRE	14.50	180	NJ
15. 35465-71-5	2-PHENYLNAPHTHALENE	14.97	160	NJ
16. 10544-50-0	SULFUR, MOL. (S8)	15.66	750	NJ
17.	C17H12 ISOMER	16.80	130	J
18.	C17H12 ISOMER	16.93	100	J
19.	UNKNOWN PAH	18.03	120	J
20.	UNKNOWN ALKANE	18.82	120	J
21.	UNKNOWN ALKANE	19.45	140	J
22.	UNKNOWN ALKANE	20.07	340	J
23.	UNKNOWN PAH	20.84	260	J
24.	UNKNOWN ALKANE	21.25	590	J
25.	UNKNOWN ALKANE	22.34	410	J
26. 83-47-6	.GAMMA.-SITOSTEROL	23.35	690	NJ
27.	UNKNOWN	23.97	310	J
28.	UNKNOWN	24.27	290	J
29. 192-65-4	NAPHTHO [1,2,3,4-DEF] CHRYSENE	24.42	1400	NJ
30.				

666
3/24/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS31B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355001

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S1B1907

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 72 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

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

108-95-2-----	Phenol	1200	U
111-44-4-----	bis(-2-Chloroethyl) Ether	1200	U
95-57-8-----	2-Chlorophenol	1200	U
541-73-1-----	1,3-Dichlorobenzene	1200	U
106-46-7-----	1,4-Dichlorobenzene	180	J
95-50-1-----	1,2-Dichlorobenzene	190	J
95-48-7-----	2-Methylphenol	1200	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	1200	U
106-44-5-----	4-Methylphenol	1200	U
621-64-7-----	N-Nitroso-di-n-propylamine	1200	U
67-72-1-----	Hexachloroethane	1200	U
98-95-3-----	Nitrobenzene	1200	U
78-59-1-----	Isophorone	1200	U
88-75-5-----	2-Nitrophenol	1200	U
105-67-9-----	2,4-Dimethylphenol	1200	U
120-83-2-----	2,4-Dichlorophenol	1200	U
120-82-1-----	1,2,4-Trichlorobenzene	1200	U
91-20-3-----	Naphthalene	1400	
106-47-8-----	4-Chloroaniline	1200	U
111-91-1-----	bis(2-Chloroethoxy)methane	1200	U
87-68-3-----	Hexachlorobutadiene	1200	U
59-50-7-----	4-Chloro-3-methylphenol	1200	U
91-57-6-----	2-Methylnaphthalene	490	J
77-47-4-----	Hexachlorocyclopentadiene	1200	U
88-06-2-----	2,4,6-Trichlorophenol	1200	U
95-95-4-----	2,4,5-Trichlorophenol	2900	U
91-58-7-----	2-Chloronaphthalene	1200	U
88-74-4-----	2-Nitroaniline	2900	U
131-11-3-----	Dimethylphthalate	1200	U
208-96-8-----	Acenaphthylene	1200	U
606-20-2-----	2,6-Dinitrotoluene	1200	U
99-09-2-----	3-Nitroaniline	2900	U
83-32-9-----	Acenaphthene	1200	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS31B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355001

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S1B1907

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 72 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2900	U
100-02-7	4-Nitrophenol	2900	U
132-64-9	Dibenzofuran	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	160	J
7005-72-3	4-Chlorophenyl-phenylether	1200	U
86-73-7	Fluorene	1200	U
100-01-6	4-Nitroaniline	2900	U
534-52-1	4,6-Dinitro-2-methylphenol	2900	U
86-30-6	N-Nitrosodiphenylamine (1)	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	2900	U
85-01-8	Phenanthrene	320	J
120-12-7	Anthracene	1200	U
86-74-8	Carbazole	1200	U
84-74-2	Di-n-butylphthalate	240	J
206-44-0	Fluoranthene	120	J
129-00-0	Pyrene	260	J
85-68-7	Butylbenzylphthalate	1900	
91-94-1	3,3'-Dichlorobenzidine	1200	U
56-55-3	Benzo(a)anthracene	1200	U
218-01-9	Chrysene	1200	U
117-81-7	bis(2-Ethylhexyl)phthalate	73000	E
117-84-0	Di-n-octylphthalate	1200	UJ
205-99-2	Benzo(b)fluoranthene	1200	UJ
207-08-9	Benzo(k)fluoranthene	1200	UJ
50-32-8	Benzo(a)pyrene	1200	UJ
193-39-5	Indeno(1,2,3-cd)pyrene	1200	UJ
53-70-3	Dibenzo(a,h)anthracene	1200	UJ
191-24-2	Benzo(g,h,i)perylene	1200	UJ

(1) - Cannot be separated from Diphenylamine

use result
from reanalysis
SS31B/L

LCF
3/30/00

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS31B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355001

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S1B1907

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 72 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.9

Number TICs found: 28

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.68~~	~~67000~~	~~ANJB~~
2.	UNKNOWN	10.65	690	JB
3.	UNKNOWN	12.93	1000	J
4.	UNKNOWN	13.27	3600	J
5. 134-62-3	DIETHYLTOLUAMIDE	14.04	1200	NJ
6.	PHENOL 4-TETRAMETHYLBUTYL IS	14.32	1500	J
7. 934-34-9	2 (3H) -BENZOTHAZOLONE	15.14	1300	NJ
8.	UNKNOWN	15.26	560	J
9.	UNKNOWN	15.34	520	J
10.	UNKNOWN ALKANE	16.12	660	J
11.	UNKNOWN	16.91	870	J
12.	UNKNOWN	17.00	1000	J
13.	UNKNOWN	17.76	3300	J
14.	UNKNOWN	18.18	2300	J
15.	UNKNOWN	18.37	2800	J
16.	UNKNOWN	18.83	10000	J
17.	PHENANTHRENE TRIMETHYL ISOME	19.26	2800	J
18.	UNKNOWN ALKANE	19.40	930	J
19.	C4-PHENANTHRENE ISOMER	19.79	15000	J
20.	UNKNOWN ALKANE	20.12	10000	J
21.	UNKNOWN ALKANE	20.84	22000	J
22.	UNKNOWN ALKANE	21.51	8700	J
23.	UNKNOWN ALKANE	22.15	25000	J
24.	UNKNOWN ALKANE	22.78	21000	J
25.	UNKNOWN ALKANE	23.37	16000	J
26.	UNKNOWN ALKANE	23.96	11000	J
27.	UNKNOWN ALKANE	24.51	5500	J
28.	UNKNOWN ALKANE	25.06	2400	J
29.				
30.				

EGF
3/20/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS31BDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355001DL

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S1B2308

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 72 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	12000	U
111-44-4	bis(-2-Chloroethyl) Ether	12000	U
95-57-8	2-Chlorophenol	12000	U
541-73-1	1,3-Dichlorobenzene	12000	U
106-46-7	1,4-Dichlorobenzene	12000	U
95-50-1	1,2-Dichlorobenzene	12000	U
95-48-7	2-Methylphenol	12000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	12000	U
106-44-5	4-Methylphenol	12000	U
621-64-7	N-Nitroso-di-n-propylamine	12000	U
67-72-1	Hexachloroethane	12000	U
98-95-3	Nitrobenzene	12000	U
78-59-1	Isophorone	12000	U
88-75-5	2-Nitrophenol	12000	U
105-67-9	2,4-Dimethylphenol	12000	U
120-83-2	2,4-Dichlorophenol	12000	U
120-82-1	1,2,4-Trichlorobenzene	12000	U
91-20-3	Naphthalene	1400	DJ
106-47-8	4-Chloroaniline	12000	U
111-91-1	bis(2-Chloroethoxy) methane	12000	U
87-68-3	Hexachlorobutadiene	12000	U
59-50-7	4-Chloro-3-methylphenol	12000	U
91-57-6	2-Methylnaphthalene	12000	U
77-47-4	Hexachlorocyclopentadiene	12000	U
88-06-2	2,4,6-Trichlorophenol	12000	U
95-95-4	2,4,5-Trichlorophenol	29000	U
91-58-7	2-Chloronaphthalene	12000	U
88-74-4	2-Nitroaniline	29000	U
131-11-3	Dimethylphthalate	12000	U
208-96-8	Acenaphthylene	12000	U
606-20-2	2,6-Dinitrotoluene	12000	U
99-09-2	3-Nitroaniline	29000	U
83-32-9	Acenaphthene	12000	U

600
3/20/00

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS31BDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355001DL

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S1B2308

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 72 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.9

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	29000	U
100-02-7-----	4-Nitrophenol	29000	U
132-64-9-----	Dibenzofuran	12000	U
121-14-2-----	2,4-Dinitrotoluene	12000	U
84-66-2-----	Diethylphthalate	12000	U
7005-72-3-----	4-Chlorophenyl-phenylether	12000	U
86-73-7-----	Fluorene	12000	U
100-01-6-----	4-Nitroaniline	29000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	29000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	12000	U
101-55-3-----	4-Bromophenyl-phenylether	12000	U
118-74-1-----	Hexachlorobenzene	12000	U
87-86-5-----	Pentachlorophenol	29000	U
85-01-8-----	Phenanthrene	12000	U
120-12-7-----	Anthracene	12000	U
86-74-8-----	Carbazole	12000	U
84-74-2-----	Di-n-butylphthalate	12000	U
206-44-0-----	Fluoranthene	12000	U
129-00-0-----	Pyrene	12000	U
85-68-7-----	Butylbenzylphthalate	1400	DJ
91-94-1-----	3,3'-Dichlorobenzidine	12000	U
56-55-3-----	Benzo(a)anthracene	12000	U
218-01-9-----	Chrysene	12000	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	75000	D
117-84-0-----	Di-n-octylphthalate	12000	U
205-99-2-----	Benzo(b)fluoranthene	12000	U
207-08-9-----	Benzo(k)fluoranthene	12000	U
50-32-8-----	Benzo(a)pyrene	12000	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	12000	U
53-70-3-----	Dibenzo(a,h)anthracene	12000	U
191-24-2-----	Benzo(g,h,i)perylene	12000	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

Use this result only
3/20/00

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS31BDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355001DL

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S1B2308

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 72 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.9

Number TICs found: 26

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	2.28	80000	ANJD
2.	UNKNOWN	10.82	3000	JD
3. 0-00-0	PHENOL, 4-(2,2,4-TRIMETHYLPE	11.72	2400	NJD
4. 934-34-9	2(3H)-BENZOTHAZOLONE	12.42	5000	NJD
5.	UNKNOWN	14.27	3500	JD
6.	UNKNOWN	14.96	8700	JD
7.	UNKNOWN	15.34	4700	JD
8. 10544-50-0	SULFUR, MOL. (S8)	15.61	30000	NJD
9.	UNKNOWN	15.93	25000	JD
10.	PHENANTHRENE TRIMETHYL ISOME	16.33	3700	JD
11.	PHENANTHRENE TETRAMETHYL ISO	16.82	45000	JD
12.	UNKNOWN ALKANE	17.48	7300	JD
13.	UNKNOWN ALKANE	18.17	5600	JD
14.	UNKNOWN	18.24	3700	JD
15.	UNKNOWN PHTHALATE	18.82	13000	JD
16.	UNKNOWN ALKANE	19.46	13000	JD
17.	UNKNOWN ALKANE	20.08	16000	JD
18.	UNKNOWN ALKANE	20.67	7000	JD
19.	UNKNOWN ALKANE	21.25	10000	JD
20.	UNKNOWN ALKANE	21.81	8900	JD
21.	UNKNOWN	22.15	6700	JD
22.	UNKNOWN ALKANE	22.34	13000	JD
23.	UNKNOWN	22.58	7100	JD
24.	UNKNOWN ALKANE	22.87	9200	JD
25.	UNKNOWN	23.17	5800	JD
26.	UNKNOWN	23.36	9700	JD
27.				
28.				
29.				
30.				

FORM I SV-TIC

CLF
3/29/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS31C

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355002

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S1B1908

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

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

108-95-2-----Phenol	440	U
111-44-4-----bis(-2-Chloroethyl) Ether	440	U
95-57-8-----2-Chlorophenol	440	U
541-73-1-----1,3-Dichlorobenzene	440	U
106-46-7-----1,4-Dichlorobenzene	65	J
95-50-1-----1,2-Dichlorobenzene	440	U
95-48-7-----2-Methylphenol	440	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	440	U
106-44-5-----4-Methylphenol	440	U
621-64-7-----N-Nitroso-di-n-propylamine	440	U
67-72-1-----Hexachloroethane	440	U
98-95-3-----Nitrobenzene	440	U
78-59-1-----Isophorone	440	U
88-75-5-----2-Nitrophenol	440	U
105-67-9-----2,4-Dimethylphenol	440	U
120-83-2-----2,4-Dichlorophenol	440	U
120-82-1-----1,2,4-Trichlorobenzene	440	U
91-20-3-----Naphthalene	49	J
106-47-8-----4-Chloroaniline	440	U
111-91-1-----bis(2-Chloroethoxy)methane	440	U
87-68-3-----Hexachlorobutadiene	440	U
59-50-7-----4-Chloro-3-methylphenol	440	U
91-57-6-----2-Methylnaphthalene	440	U
77-47-4-----Hexachlorocyclopentadiene	440	U
88-06-2-----2,4,6-Trichlorophenol	440	U
95-95-4-----2,4,5-Trichlorophenol	1100	U
91-58-7-----2-Chloronaphthalene	440	U
88-74-4-----2-Nitroaniline	1100	U
131-11-3-----Dimethylphthalate	440	U
208-96-8-----Acenaphthylene	440	U
606-20-2-----2,6-Dinitrotoluene	440	U
99-09-2-----3-Nitroaniline	1100	U
83-32-9-----Acenaphthene	440	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS31C

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355002

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S1B1908

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

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

51-28-5-----	2,4-Dinitrophenol	1100	U
100-02-7-----	4-Nitrophenol	1100	U
132-64-9-----	Dibenzofuran	440	U
121-14-2-----	2,4-Dinitrotoluene	440	U
84-66-2-----	Diethylphthalate	440	U
7005-72-3-----	4-Chlorophenyl-phenylether	440	U
86-73-7-----	Fluorene	440	U
100-01-6-----	4-Nitroaniline	1100	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	440	U
101-55-3-----	4-Bromophenyl-phenylether	440	U
118-74-1-----	Hexachlorobenzene	440	U
87-86-5-----	Pentachlorophenol	1100	U
85-01-8-----	Phenanthrene	440	U
120-12-7-----	Anthracene	440	U
86-74-8-----	Carbazole	440	U
84-74-2-----	Di-n-butylphthalate	220	J
206-44-0-----	Fluoranthene	440	U
129-00-0-----	Pyrene	440	U
85-68-7-----	Butylbenzylphthalate	440	U
91-94-1-----	3,3'-Dichlorobenzidine	440	U
56-55-3-----	Benzo(a)anthracene	440	U
218-01-9-----	Chrysene	440	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	8800	E
117-84-0-----	Di-n-octylphthalate	440	UJ
205-99-2-----	Benzo(b)fluoranthene	440	UJ
207-08-9-----	Benzo(k)fluoranthene	440	UJ
50-32-8-----	Benzo(a)pyrene	440	UJ
193-39-5-----	Indeno(1,2,3-cd)pyrene	440	UJ
53-70-3-----	Dibenzo(a,h)anthracene	440	UJ
191-24-2-----	Benzo(g,h,i)perylene	440	UJ

(1) - Cannot be separated from Diphenylamine

use result
from diluted
analysis
SS31C DL

2/20/00

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS31C

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355002

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S1B1908

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.1

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.20	420	JB
2. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	4.69	22000	ANJB
3. 872-05-9	1-DECENE	12.94	1500	NJ
4. 294-62-2	CYCLODODECANE	15.11	370	NJ
5. 57-10-3	HEXADECANOIC ACID	17.52	1100	NJ
6.	UNKNOWN ALKANE	17.81	450	J
7.	UNKNOWN	18.76	780	J
8. 629-97-0	DOCOSANE	19.37	400	NJ
9.	C4-PHENANTHRENE ISOMER	19.69	300	J
10. 638-67-5	TRICOSANE	20.10	760	NJ
11.	UNKNOWN PHTHALATE	20.49	520	J
12. 646-31-1	TETRACOSANE	20.80	2700	NJ
13.	UNKNOWN	21.22	480	J
14. 629-62-9	PENTADECANE	21.48	4300	NJ
15.	UNKNOWN	21.85	940	J
16.	UNKNOWN	21.95	1000	J
17. 630-06-8	HEXATRIACONTANE	22.14	4300	NJ
18.	UNKNOWN ALKANE	22.52	940	J
19.	UNKNOWN ALKANE	22.77	4500	J
20. 593-45-3	OCTADECANE	23.37	4300	NJ
21. 638-68-6	TRIACONTANE	23.72	620	NJ
22. 629-92-5	NONADECANE	23.95	4300	NJ
23.	UNKNOWN ALKANE	24.29	730	J
24. 629-78-7	HEPTADECANE	24.51	3600	NJ
25.	UNKNOWN ALKANE	25.06	6300	J
26.	UNKNOWN ALKANE	25.64	4700	J
27.	UNKNOWN ALKANE	26.30	3500	J
28.	UNKNOWN ALKANE	27.07	2000	J
29.	UNKNOWN ALKANE	27.96	1100	J
30.	UNKNOWN	29.25	600	J

ECF
3/30/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS31CDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355002DL

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S1B2315

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.1

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

108-95-2	Phenol	2200	U
111-44-4	bis(-2-Chloroethyl) Ether	2200	U
95-57-8	2-Chlorophenol	2200	U
541-73-1	1,3-Dichlorobenzene	2200	U
106-46-7	1,4-Dichlorobenzene	2200	U
95-50-1	1,2-Dichlorobenzene	2200	U
95-48-7	2-Methylphenol	2200	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2200	U
106-44-5	4-Methylphenol	2200	U
621-64-7	N-Nitroso-di-n-propylamine	2200	U
67-72-1	Hexachloroethane	2200	U
98-95-3	Nitrobenzene	2200	U
78-59-1	Isophorone	2200	U
88-75-5	2-Nitrophenol	2200	U
105-67-9	2,4-Dimethylphenol	2200	U
120-83-2	2,4-Dichlorophenol	2200	U
120-82-1	1,2,4-Trichlorobenzene	2200	U
91-20-3	Naphthalene	2200	U
106-47-8	4-Chloroaniline	2200	U
111-91-1	bis(2-Chloroethoxy)methane	2200	U
87-68-3	Hexachlorobutadiene	2200	U
59-50-7	4-Chloro-3-methylphenol	2200	U
91-57-6	2-Methylnaphthalene	2200	U
77-47-4	Hexachlorocyclopentadiene	2200	U
88-06-2	2,4,6-Trichlorophenol	2200	U
95-95-4	2,4,5-Trichlorophenol	5500	U
91-58-7	2-Chloronaphthalene	2200	U
88-74-4	2-Nitroaniline	5500	U
131-11-3	Dimethylphthalate	2200	U
208-96-8	Acenaphthylene	2200	U
606-20-2	2,6-Dinitrotoluene	2200	U
99-09-2	3-Nitroaniline	5500	U
83-32-9	Acenaphthene	2200	U

FORM I SV-1

664
3/24/00

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS31CDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355002DL

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S1B2315

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.1

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

51-28-5-----	2,4-Dinitrophenol	5500	U
100-02-7-----	4-Nitrophenol	5500	U
132-64-9-----	Dibenzofuran	2200	U
121-14-2-----	2,4-Dinitrotoluene	2200	U
84-66-2-----	Diethylphthalate	2200	U
7005-72-3-----	4-Chlorophenyl-phenylether	2200	U
86-73-7-----	Fluorene	2200	U
100-01-6-----	4-Nitroaniline	5500	U
534-52-1-----	4,6-Dinitro-2-methylphenol	5500	U
86-30-6-----	N-Nitrosodiphenylamine (1)	2200	U
101-55-3-----	4-Bromophenyl-phenylether	2200	U
118-74-1-----	Hexachlorobenzene	2200	U
87-86-5-----	Pentachlorophenol	5500	U
85-01-8-----	Phenanthrene	2200	U
120-12-7-----	Anthracene	2200	U
86-74-8-----	Carbazole	2200	U
84-74-2-----	Di-n-butylphthalate	2200	U
206-44-0-----	Fluoranthene	2200	U
129-00-0-----	Pyrene	2200	U
85-68-7-----	Butylbenzylphthalate	2200	U
91-94-1-----	3,3'-Dichlorobenzidine	2200	U
56-55-3-----	Benzo(a)anthracene	2200	U
218-01-9-----	Chrysene	2200	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	7300	D
117-84-0-----	Di-n-octylphthalate	2200	U
205-99-2-----	Benzo(b)fluoranthene	2200	U
207-08-9-----	Benzo(k)fluoranthene	2200	U
50-32-8-----	Benzo(a)pyrene	2200	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	2200	U
53-70-3-----	Dibenzo(a,h)anthracene	2200	U
191-24-2-----	Benzo(g,h,i)perylene	2200	U

(1) - Cannot be separated from Diphenylamine

use only this result

*46F
3/24/00*

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS31CDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355002DL

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S1B2315

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 26 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y

pH: 7.1

Number TICs found: 28

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	2.34	28000	ANJBD
2.	UNKNOWN CYCLO ALKANE	12.60	830	JD
3.	UNKNOWN ORGANIC ACID	14.94	2200	JD
4. 10544-50-0	SULFUR, MOL. (S8)	15.58	2300	NJD
5.	UNKNOWN ORGANIC ACID	16.47	760	JD
6.	UNKNOWN ALKANE	17.46	820	JD
7.	UNKNOWN ALKANE	18.15	1400	JD
8.	UNKNOWN ALKANE	18.81	2300	JD
9.	UNKNOWN	19.13	760	JD
10.	UNKNOWN ALKANE	19.45	4000	JD
11.	UNKNOWN ALKANE	19.89	1500	JD
12.	UNKNOWN ALKANE	20.08	3500	JD
13.	UNKNOWN	20.26	990	JD
14.	UNKNOWN ALKANE	20.43	1500	JD
15.	UNKNOWN ALKANE	20.67	5000	JD
16.	UNKNOWN ALKANE	21.24	4100	JD
17.	UNKNOWN	21.44	1400	JD
18.	UNKNOWN	21.60	1700	JD
19.	UNKNOWN ALKANE	21.79	3500	JD
20.	UNKNOWN	22.00	1400	JD
21.	UNKNOWN ALKANE	22.14	1600	JD
22.	UNKNOWN ALKANE	22.33	6000	JD
23.	UNKNOWN ALKANE	22.85	2900	JD
24.	UNKNOWN	23.05	1200	JD
25.	UNKNOWN	23.17	1700	JD
26.	UNKNOWN ALKANE	23.36	6400	JD
27.	UNKNOWN ALKANE	23.86	2300	JD
28.	UNKNOWN	24.05	2900	JD
29.				
30.				

668
3/24/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1JLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: S1202-LW4

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B1887

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/02/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/15/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	49	
111-44-4-----	bis (-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	58	
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	36	
95-50-1-----	1,2-Dichlorobenzene	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	31	
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	36	
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	59	
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	44	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1JLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: S1202-LW4

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B1887

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/02/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/15/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	71	
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	52	
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	70	
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	53	
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1JLCSRE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: S1202-LW4RE

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B2023

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/02/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/20/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:
CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

108-95-2-----Phenol	52	
111-44-4-----bis(-2-Chloroethyl) Ether	10	U
95-57-8-----2-Chlorophenol	56	
541-73-1-----1,3-Dichlorobenzene	10	U
106-46-7-----1,4-Dichlorobenzene	40	
95-50-1-----1,2-Dichlorobenzene	10	U
95-48-7-----2-Methylphenol	10	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----4-Methylphenol	10	U
621-64-7-----N-Nitroso-di-n-propylamine	35	
67-72-1-----Hexachloroethane	10	U
98-95-3-----Nitrobenzene	10	U
78-59-1-----Isophorone	10	U
88-75-5-----2-Nitrophenol	10	U
105-67-9-----2,4-Dimethyphenol	10	U
120-83-2-----2,4-Dichlorophenol	10	U
120-82-1-----1,2,4-Trichlorobenzene	37	
91-20-3-----Naphthalene	10	U
106-47-8-----4-Chloroaniline	10	U
111-91-1-----bis(2-Chloroethoxy)methane	10	U
87-68-3-----Hexachlorobutadiene	10	U
59-50-7-----4-Chloro-3-methylphenol	58	
91-57-6-----2-Methylnaphthalene	10	U
77-47-4-----Hexachlorocyclopentadiene	10	U
88-06-2-----2,4,6-Trichlorophenol	10	U
95-95-4-----2,4,5-Trichlorophenol	25	U
91-58-7-----2-Chloronaphthalene	10	U
88-74-4-----2-Nitroaniline	25	U
131-11-3-----Dimethylphthalate	10	U
208-96-8-----Acenaphthylene	10	U
606-20-2-----2,6-Dinitrotoluene	10	U
99-09-2-----3-Nitroaniline	25	U
83-32-9-----Acenaphthene	40	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1JLCSRE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: S1202-LW4RE

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B2023

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/02/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/20/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

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

CAS NO.	COMPOUND	Q
51-28-5-----	2,4-Dinitrophenol	25 U
100-02-7-----	4-Nitrophenol	62
132-64-9-----	Dibenzofuran	10 U
121-14-2-----	2,4-Dinitrotoluene	49
84-66-2-----	Diethylphthalate	10 U
7005-72-3-----	4-Chlorophenyl-phenylether	10 U
86-73-7-----	Fluorene	10 U
100-01-6-----	4-Nitroaniline	25 U
534-52-1-----	4,6-Dinitro-2-methylphenol	25 U
86-30-6-----	N-Nitrosodiphenylamine (1)	10 U
101-55-3-----	4-Bromophenyl-phenylether	10 U
118-74-1-----	Hexachlorobenzene	10 U
87-86-5-----	Pentachlorophenol	60
85-01-8-----	Phenanthrene	10 U
120-12-7-----	Anthracene	10 U
86-74-8-----	Carbazole	10 U
84-74-2-----	Di-n-butylphthalate	10 U
206-44-0-----	Fluoranthene	10 U
129-00-0-----	Pyrene	51
85-68-7-----	Butylbenzylphthalate	10 U
91-94-1-----	3,3'-Dichlorobenzidine	10 U
56-55-3-----	Benzo (a) anthracene	10 U
218-01-9-----	Chrysene	10 U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10 U
117-84-0-----	Di-n-octylphthalate	10 U
205-99-2-----	Benzo (b) fluoranthene	10 U
207-08-9-----	Benzo (k) fluoranthene	10 U
50-32-8-----	Benzo (a) pyrene	10 U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10 U
53-70-3-----	Dibenzo (a,h) anthracene	10 U
191-24-2-----	Benzo (g,h,i) perylene	10 U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1PLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: S1206-LS2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S1B1889

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/15/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

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

108-95-2-----Phenol	1600	
111-44-4-----bis(-2-Chloroethyl) Ether	330	U
95-57-8-----2-Chlorophenol	1700	
541-73-1-----1,3-Dichlorobenzene	330	U
106-46-7-----1,4-Dichlorobenzene	1100	
95-50-1-----1,2-Dichlorobenzene	330	U
95-48-7-----2-Methylphenol	330	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	330	U
106-44-5-----4-Methylphenol	330	U
621-64-7-----N-Nitroso-di-n-propylamine	980	
67-72-1-----Hexachloroethane	330	U
98-95-3-----Nitrobenzene	330	U
78-59-1-----Isophorone	330	U
88-75-5-----2-Nitrophenol	330	U
105-67-9-----2,4-Dimethylphenol	330	U
120-83-2-----2,4-Dichlorophenol	330	U
120-82-1-----1,2,4-Trichlorobenzene	1100	
91-20-3-----Naphthalene	330	U
106-47-8-----4-Chloroaniline	330	U
111-91-1-----bis(2-Chloroethoxy)methane	330	U
87-68-3-----Hexachlorobutadiene	330	U
59-50-7-----4-Chloro-3-methylphenol	1800	
91-57-6-----2-Methylnaphthalene	330	U
77-47-4-----Hexachlorocyclopentadiene	330	U
88-06-2-----2,4,6-Trichlorophenol	330	U
95-95-4-----2,4,5-Trichlorophenol	830	U
91-58-7-----2-Chloronaphthalene	330	U
88-74-4-----2-Nitroaniline	830	U
131-11-3-----Dimethylphthalate	330	U
208-96-8-----Acenaphthylene	330	U
606-20-2-----2,6-Dinitrotoluene	330	U
99-09-2-----3-Nitroaniline	830	U
83-32-9-----Acenaphthene	1200	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1PLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: S1206-LS2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S1B1889

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/15/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

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

51-28-5-----	2,4-Dinitrophenol	830	U
100-02-7-----	4-Nitrophenol	2100	
132-64-9-----	Dibenzofuran	330	U
121-14-2-----	2,4-Dinitrotoluene	1400	
84-66-2-----	Diethylphthalate	330	U
7005-72-3-----	4-Chlorophenyl-phenylether	330	U
86-73-7-----	Fluorene	330	U
100-01-6-----	4-Nitroaniline	830	U
534-52-1-----	4,6-Dinitro-2-methylphenol	830	U
86-30-6-----	N-Nitrosodiphenylamine (1)	330	U
101-55-3-----	4-Bromophenyl-phenylether	330	U
118-74-1-----	Hexachlorobenzene	330	U
87-86-5-----	Pentachlorophenol	2000	
85-01-8-----	Phenanthrene	330	U
120-12-7-----	Anthracene	330	U
86-74-8-----	Carbazole	330	U
84-74-2-----	Di-n-butylphthalate	330	U
206-44-0-----	Fluoranthene	330	U
129-00-0-----	Pyrene	1500	
85-68-7-----	Butylbenzylphthalate	330	U
91-94-1-----	3,3'-Dichlorobenzidine	330	U
56-55-3-----	Benzo(a)anthracene	330	U
218-01-9-----	Chrysene	330	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	330	U
117-84-0-----	Di-n-octylphthalate	330	U
205-99-2-----	Benzo(b)fluoranthene	330	U
207-08-9-----	Benzo(k)fluoranthene	330	U
50-32-8-----	Benzo(a)pyrene	330	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	330	U
53-70-3-----	Dibenzo(a,h)anthracene	330	U
191-24-2-----	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1PLCSRE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: S1206-LS2RE

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S1B2257

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/04/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

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

108-95-2-----Phenol	1900	
111-44-4-----bis(-2-Chloroethyl) Ether	330	U
95-57-8-----2-Chlorophenol	2000	
541-73-1-----1,3-Dichlorobenzene	330	U
106-46-7-----1,4-Dichlorobenzene	1400	
95-50-1-----1,2-Dichlorobenzene	330	U
95-48-7-----2-Methylphenol	330	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	330	U
106-44-5-----4-Methylphenol	330	U
621-64-7-----N-Nitroso-di-n-propylamine	1300	
67-72-1-----Hexachloroethane	330	U
98-95-3-----Nitrobenzene	330	U
78-59-1-----Isophorone	330	U
88-75-5-----2-Nitrophenol	330	U
105-67-9-----2,4-Dimethyphenol	330	U
120-83-2-----2,4-Dichlorophenol	330	U
120-82-1-----1,2,4-Trichlorobenzene	1400	
91-20-3-----Naphthalene	330	U
106-47-8-----4-Chloroaniline	330	U
111-91-1-----bis(2-Chloroethoxy) methane	330	U
87-68-3-----Hexachlorobutadiene	330	U
59-50-7-----4-Chloro-3-methylphenol	2000	
91-57-6-----2-Methylnaphthalene	330	U
77-47-4-----Hexachlorocyclopentadiene	330	U
88-06-2-----2,4,6-Trichlorophenol	330	U
95-95-4-----2,4,5-Trichlorophenol	830	U
91-58-7-----2-Chloronaphthalene	330	U
88-74-4-----2-Nitroaniline	830	U
131-11-3-----Dimethylphthalate	330	U
208-96-8-----Acenaphthylene	330	U
606-20-2-----2,6-Dinitrotoluene	330	U
99-09-2-----3-Nitroaniline	830	U
83-32-9-----Acenaphthene	1300	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1PLCSRE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: S1206-LS2RE

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S1B2257

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/04/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	830	U
100-02-7-----	4-Nitrophenol	2100	
132-64-9-----	Dibenzofuran	330	U
121-14-2-----	2,4-Dinitrotoluene	1400	
84-66-2-----	Diethylphthalate	330	U
7005-72-3-----	4-Chlorophenyl-phenylether	330	U
86-73-7-----	Fluorene	330	U
100-01-6-----	4-Nitroaniline	830	U
534-52-1-----	4,6-Dinitro-2-methylphenol	830	U
86-30-6-----	N-Nitrosodiphenylamine (1)	330	U
101-55-3-----	4-Bromophenyl-phenylether	330	U
118-74-1-----	Hexachlorobenzene	330	U
87-86-5-----	Pentachlorophenol	1600	
85-01-8-----	Phenanthrene	330	U
120-12-7-----	Anthracene	330	U
86-74-8-----	Carbazole	330	U
84-74-2-----	Di-n-butylphthalate	330	U
206-44-0-----	Fluoranthene	330	U
129-00-0-----	Pyrene	1300	
85-68-7-----	Butylbenzylphthalate	330	U
91-94-1-----	3,3'-Dichlorobenzidine	330	U
56-55-3-----	Benzo(a)anthracene	330	U
218-01-9-----	Chrysene	330	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	330	U
117-84-0-----	Di-n-octylphthalate	330	U
205-99-2-----	Benzo(b)fluoranthene	330	U
207-08-9-----	Benzo(k)fluoranthene	330	U
50-32-8-----	Benzo(a)pyrene	330	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	330	U
53-70-3-----	Dibenzo(a,h)anthracene	330	U
191-24-2-----	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS23CMS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355013

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S1B1916

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 10 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
108-95-2	Phenol	2100	
111-44-4	bis(-2-Chloroethyl) Ether	370	U
95-57-8	2-Chlorophenol	2200	
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	1300	
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	1300	
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethyphenol	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	1300	
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	2200	
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	920	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	1400	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS23CMS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355013

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S1B1916

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 10 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500(uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	920	U
100-02-7-----	4-Nitrophenol	2500	
132-64-9-----	Dibenzofuran	370	U
121-14-2-----	2,4-Dinitrotoluene	1600	
84-66-2-----	Diethylphthalate	370	U
7005-72-3-----	4-Chlorophenyl-phenylether	370	U
86-73-7-----	Fluorene	370	U
100-01-6-----	4-Nitroaniline	920	U
534-52-1-----	4,6-Dinitro-2-methylphenol	920	U
86-30-6-----	N-Nitrosodiphenylamine (1)	370	U
101-55-3-----	4-Bromophenyl-phenylether	370	U
118-74-1-----	Hexachlorobenzene	370	U
87-86-5-----	Pentachlorophenol	1800	
85-01-8-----	Phenanthrene	370	U
120-12-7-----	Anthracene	370	U
86-74-8-----	Carbazole	370	U
84-74-2-----	Di-n-butylphthalate	370	U
206-44-0-----	Fluoranthene	370	U
129-00-0-----	Pyrene	1800	
85-68-7-----	Butylbenzylphthalate	370	U
91-94-1-----	3,3'-Dichlorobenzidine	370	U
56-55-3-----	Benzo(a)anthracene	370	U
218-01-9-----	Chrysene	370	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	370	U
117-84-0-----	Di-n-octylphthalate	370	U
205-99-2-----	Benzo(b)fluoranthene	370	U
207-08-9-----	Benzo(k)fluoranthene	370	U
50-32-8-----	Benzo(a)pyrene	370	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	370	U
53-70-3-----	Dibenzo(a,h)anthracene	370	U
191-24-2-----	Benzo(g,h,i)perylene	370	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS23CMSD

Lab Name: MITKEM CORPORATION Contract:
Lab Code: MITKEM Case No.: SAS No.: SDG No.: 62355
Matrix: (soil/water) SOIL Lab Sample ID: 62355014
Sample wt/vol: 30.8 (g/mL) G Lab File ID: S1B1917
Level: (low/med) LOW Date Received: 11/30/99
% Moisture: 10 decanted: (Y/N) N Date Extracted: 12/06/99
Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/16/99
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2-----	Phenol	2000	
111-44-4-----	bis(-2-Chloroethyl) Ether	360	U
95-57-8-----	2-Chlorophenol	2200	
541-73-1-----	1,3-Dichlorobenzene	360	U
106-46-7-----	1,4-Dichlorobenzene	1300	
95-50-1-----	1,2-Dichlorobenzene	360	U
95-48-7-----	2-Methylphenol	360	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	360	U
106-44-5-----	4-Methylphenol	360	U
621-64-7-----	N-Nitroso-di-n-propylamine	1300	
67-72-1-----	Hexachloroethane	360	U
98-95-3-----	Nitrobenzene	360	U
78-59-1-----	Isophorone	360	U
88-75-5-----	2-Nitrophenol	360	U
105-67-9-----	2,4-Dimethyphenol	360	U
120-83-2-----	2,4-Dichlorophenol	360	U
120-82-1-----	1,2,4-Trichlorobenzene	1300	
91-20-3-----	Naphthalene	360	U
106-47-8-----	4-Chloroaniline	360	U
111-91-1-----	bis(2-Chloroethoxy)methane	360	U
87-68-3-----	Hexachlorobutadiene	360	U
59-50-7-----	4-Chloro-3-methylphenol	2100	
91-57-6-----	2-Methylnaphthalene	360	U
77-47-4-----	Hexachlorocyclopentadiene	360	U
88-06-2-----	2,4,6-Trichlorophenol	360	U
95-95-4-----	2,4,5-Trichlorophenol	900	U
91-58-7-----	2-Chloronaphthalene	360	U
88-74-4-----	2-Nitroaniline	900	U
131-11-3-----	Dimethylphthalate	360	U
208-96-8-----	Acenaphthylene	360	U
606-20-2-----	2,6-Dinitrotoluene	360	U
99-09-2-----	3-Nitroaniline	900	U
83-32-9-----	Acenaphthene	1400	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS23CMSD

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355014

Sample wt/vol: 30.8 (g/mL) G

Lab File ID: S1B1917

Level: (low/med) LOW

Date Received: 11/30/99

% Moisture: 10 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

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

51-28-5-----	2,4-Dinitrophenol	900	U
100-02-7-----	4-Nitrophenol	2300	
132-64-9-----	Dibenzofuran	360	U
121-14-2-----	2,4-Dinitrotoluene	1600	
84-66-2-----	Diethylphthalate	360	U
7005-72-3-----	4-Chlorophenyl-phenylether	360	U
86-73-7-----	Fluorene	360	U
100-01-6-----	4-Nitroaniline	900	U
534-52-1-----	4,6-Dinitro-2-methylphenol	900	U
86-30-6-----	N-Nitrosodiphenylamine (1)	360	U
101-55-3-----	4-Bromophenyl-phenylether	360	U
118-74-1-----	Hexachlorobenzene	360	U
87-86-5-----	Pentachlorophenol	1600	
85-01-8-----	Phenanthrene	360	U
120-12-7-----	Anthracene	360	U
86-74-8-----	Carbazole	360	U
84-74-2-----	Di-n-butylphthalate	360	U
206-44-0-----	Fluoranthene	360	U
129-00-0-----	Pyrene	1800	
85-68-7-----	Butylbenzylphthalate	360	U
91-94-1-----	3,3'-Dichlorobenzidine	360	U
56-55-3-----	Benzo(a)anthracene	360	U
218-01-9-----	Chrysene	360	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	360	U
117-84-0-----	Di-n-octylphthalate	360	U
205-99-2-----	Benzo(b)fluoranthene	360	U
207-08-9-----	Benzo(k)fluoranthene	360	U
50-32-8-----	Benzo(a)pyrene	360	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	360	U
53-70-3-----	Dibenzo(a,h)anthracene	360	U
191-24-2-----	Benzo(g,h,i)perylene	360	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP112999

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: 62355011

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6657F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 11/30/99

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 12/02/99

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

Sulfur Cleanup: (Y/N) Y

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

CAS NO.

COMPOUND

Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

OK 4.5 IS
E2B
3/21/00

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB112999

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: 62355011

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6657R

% Moisture: _____ decanted: (Y/N) _____

Date Received: 11/30/99

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 12/02/99

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS23C

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355009

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: E2B6650F

% Moisture: 10 decanted: (Y/N) N

Date Received: 11/30/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

319-84-6-----	alpha-BHC	1.9	U
319-85-7-----	beta-BHC	1.9	U
319-86-8-----	delta-BHC	1.9	U
58-89-9-----	gamma-BHC (Lindane)	1.9	U
76-44-8-----	Heptachlor	1.9	U
309-00-2-----	Aldrin	1.9	U
1024-57-3-----	Heptachlor epoxide	1.9	U
959-98-8-----	Endosulfan I	1.9	U
60-57-1-----	Dieldrin	3.6	U
72-55-9-----	4,4'-DDE	3.6	U
72-20-8-----	Endrin	3.6	U
33213-65-9-----	Endosulfan II	3.6	U
72-54-8-----	4,4'-DDD	3.6	U
1031-07-8-----	Endosulfan sulfate	3.6	U
50-29-3-----	4,4'-DDT	3.6	U
72-43-5-----	Methoxychlor	19	U
53494-70-5-----	Endrin ketone	3.6	U
7421-93-4-----	Endrin aldehyde	3.6	U
5103-71-9-----	alpha-Chlordane	1.9	U
5103-74-2-----	gamma-Chlordane	1.9	U
8001-35-2-----	Toxaphene	190	U
12674-11-2-----	Aroclor-1016	36	U
11104-28-2-----	Aroclor-1221	74	U
11141-16-5-----	Aroclor-1232	36	U
53469-21-9-----	Aroclor-1242	36	U
12672-29-6-----	Aroclor-1248	36	U
11097-69-1-----	Aroclor-1254	36	U
11096-82-5-----	Aroclor-1260	36	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25F

Lab Name: MITKEM CORPORATION Contract:
Lab Code: MITKEM Case No.: SAS No.: SDG No.: 62355
Matrix: (soil/water) SOIL Lab Sample ID: 62355007
Sample wt/vol: 30.9 (g/mL) G Lab File ID: E2B6648F
% Moisture: 12 decanted: (Y/N) N Date Received: 11/30/99
Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/06/99
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/23/99
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y pH: 6.7 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9 U	
319-85-7	beta-BHC	1.9 U	
319-86-8	delta-BHC	1.9 U	
58-89-9	gamma-BHC (Lindane)	1.9 U	
76-44-8	Heptachlor	1.9 U	
309-00-2	Aldrin	1.9 U	
1024-57-3	Heptachlor epoxide	1.9 U	
959-98-8	Endosulfan I	1.9 U	
60-57-1	Dieldrin	3.6 U	
72-55-9	4,4'-DDE	3.6 U	
72-20-8	Endrin	3.6 U	
33213-65-9	Endosulfan II	3.6 U	
72-54-8	4,4'-DDD	3.6 U	
1031-07-8	Endosulfan sulfate	3.6 U	
50-29-3	4,4'-DDT	3.6 U	
72-43-5	Methoxychlor	19 U	
53494-70-5	Endrin ketone	3.6 U	
7421-93-4	Endrin aldehyde	3.6 U	
5103-71-9	alpha-Chlordane	1.9 U	
5103-74-2	gamma-Chlordane	1.9 U	
8001-35-2	Toxaphene	190 U	
12674-11-2	Aroclor-1016	36 U	
11104-28-2	Aroclor-1221	74 U	
11141-16-5	Aroclor-1232	36 U	
53469-21-9	Aroclor-1242	36 U	
12672-29-6	Aroclor-1248	36 U	
11097-69-1	Aroclor-1254	36 U	
11096-82-5	Aroclor-1260	36 U	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27A

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355003

Sample wt/vol: 30.9 (g/mL) G

Lab File ID: E2B6646F

% Moisture: 37 decanted: (Y/N) N

Date Received: 11/30/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

Sulfur Cleanup: (Y/N) Y

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

CAS NO.	COMPOUND	Q
319-84-6-----	alpha-BHC	2.6 U
319-85-7-----	beta-BHC	2.6 U
319-86-8-----	delta-BHC	3.0
58-89-9-----	gamma-BHC (Lindane)	2.6 U
76-44-8-----	Heptachlor	4.5 P
309-00-2-----	Aldrin	2.6 U
1024-57-3-----	Heptachlor epoxide	6.2
959-98-8-----	Endosulfan I	2.6 U
60-57-1-----	Dieldrin	5.1 U
72-55-9-----	4,4'-DDE	8.9 P
72-20-8-----	Endrin	5.1 U
33213-65-9-----	Endosulfan II	5.1 U
72-54-8-----	4,4'-DDD	5.9 P
1031-07-8-----	Endosulfan sulfate	5.1 U
50-29-3-----	4,4'-DDT	5.1 U
72-43-5-----	Methoxychlor	26 U
53494-70-5-----	Endrin ketone	5.1 U
7421-93-4-----	Endrin aldehyde	5.2 P
5103-71-9-----	alpha-Chlordane	2.6 U
5103-74-2-----	gamma-Chlordane	5.9
8001-35-2-----	Toxaphene	260 U
12674-11-2-----	Aroclor-1016	51 U
11104-28-2-----	Aroclor-1221	100 U
11141-16-5-----	Aroclor-1232	51 U
53469-21-9-----	Aroclor-1242	210
12672-29-6-----	Aroclor-1248	51 U
11097-69-1-----	Aroclor-1254	120
11096-82-5-----	Aroclor-1260	51 U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355006

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: E2B6647F

% Moisture: 18 decanted: (Y/N) N

Date Received: 11/30/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	2.0	U
319-85-7-----	beta-BHC	2.0	U
319-86-8-----	delta-BHC	2.0	U
58-89-9-----	gamma-BHC (Lindane)	2.0	U
76-44-8-----	Heptachlor	3.9	P
309-00-2-----	Aldrin	48	EP
1024-57-3-----	Heptachlor epoxide	3.5	P
959-98-8-----	Endosulfan I	3.7	P
60-57-1-----	Dieldrin	15	P
72-55-9-----	4,4'-DDE	17	P
72-20-8-----	Endrin	4.0	U
33213-65-9-----	Endosulfan II	4.0	U
72-54-8-----	4,4'-DDD	87	P
1031-07-8-----	Endosulfan sulfate	4.0	U
50-29-3-----	4,4'-DDT	4.0	U
72-43-5-----	Methoxychlor	20	U
53494-70-5-----	Endrin ketone	4.0	U
7421-93-4-----	Endrin aldehyde	4.0	U
5103-71-9-----	alpha-Chlordane	3.0	
5103-74-2-----	gamma-Chlordane	4.6	P
8001-35-2-----	Toxaphene	200	U
12674-11-2-----	Aroclor-1016	40	U
11104-28-2-----	Aroclor-1221	81	U
11141-16-5-----	Aroclor-1232	40	U
53469-21-9-----	Aroclor-1242	130	P
12672-29-6-----	Aroclor-1248	40	U
11097-69-1-----	Aroclor-1254	88	P
11096-82-5-----	Aroclor-1260	40	U

use results
from dilute
analysis
SS27BDL

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27BDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355006DL

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: E2B6678F

% Moisture: 18 decanted: (Y/N) N

Date Received: 11/30/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/24/99

Injection Volume: 1.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.5

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

319-84-6-----	alpha-BHC	20	U
319-85-7-----	beta-BHC	20	U
319-86-8-----	delta-BHC	20	U
58-89-9-----	gamma-BHC (Lindane)	20	U
76-44-8-----	Heptachlor	20	U
309-00-2-----	Aldrin	64	DP
1024-57-3-----	Heptachlor epoxide	20	U
959-98-8-----	Endosulfan I	20	U
60-57-1-----	Dieldrin	40	U
72-55-9-----	4,4'-DDE	40	U
72-20-8-----	Endrin	40	U
33213-65-9-----	Endosulfan II	40	U
72-54-8-----	4,4'-DDD	66	DP
1031-07-8-----	Endosulfan sulfate	40	U
50-29-3-----	4,4'-DDT	40	U
72-43-5-----	Methoxychlor	200	U
53494-70-5-----	Endrin ketone	40	U
7421-93-4-----	Endrin aldehyde	40	U
5103-71-9-----	alpha-Chlordane	20	U
5103-74-2-----	gamma-Chlordane	20	U
8001-35-2-----	Toxaphene	2000	U
12674-11-2-----	Aroclor-1016	400	U
11104-28-2-----	Aroclor-1221	810	U
11141-16-5-----	Aroclor-1232	400	U
53469-21-9-----	Aroclor-1242	400	U
12672-29-6-----	Aroclor-1248	400	U
11097-69-1-----	Aroclor-1254	410	DP
11096-82-5-----	Aroclor-1260	400	U

only use these results

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355008

Sample wt/vol: 30.9 (g/mL) G

Lab File ID: E2B6649F

% Moisture: 46 decanted: (Y/N) N

Date Received: 11/30/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

319-84-6-----	alpha-BHC	3.1	U
319-85-7-----	beta-BHC	3.1	U
319-86-8-----	delta-BHC	3.1	U
58-89-9-----	gamma-BHC (Lindane)	3.1	U
76-44-8-----	Heptachlor	3.1	U
309-00-2-----	Aldrin	3.1	U
1024-57-3-----	Heptachlor epoxide	3.1	U
959-98-8-----	Endosulfan I	3.1	U
60-57-1-----	Dieldrin	5.9	U
72-55-9-----	4,4'-DDE	5.9	U
72-20-8-----	Endrin	5.9	U
33213-65-9-----	Endosulfan II	5.9	U
72-54-8-----	4,4'-DDD	5.9	U
1031-07-8-----	Endosulfan sulfate	5.9	U
50-29-3-----	4,4'-DDT	5.9	U
72-43-5-----	Methoxychlor	31	U
53494-70-5-----	Endrin ketone	5.9	U
7421-93-4-----	Endrin aldehyde	5.9	U
5103-71-9-----	alpha-Chlordane	3.1	U
5103-74-2-----	gamma-Chlordane	3.1	U
8001-35-2-----	Toxaphene	310	U
12674-11-2-----	Aroclor-1016	59	U
11104-28-2-----	Aroclor-1221	120	U
11141-16-5-----	Aroclor-1232	59	U
53469-21-9-----	Aroclor-1242	80	U
12672-29-6-----	Aroclor-1248	59	U
11097-69-1-----	Aroclor-1254	59	U
11096-82-5-----	Aroclor-1260	59	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS27E891

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355005

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: E2B6675F

% Moisture: 23 decanted: (Y/N) N

Date Received: 11/30/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Sulfur Cleanup: (Y/N) Y

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

CAS NO.

COMPOUND

Q

319-84-6-----	alpha-BHC	2.2	U
319-85-7-----	beta-BHC	2.2	U
319-86-8-----	delta-BHC	3.0	P
58-89-9-----	gamma-BHC (Lindane)	2.2	U
76-44-8-----	Heptachlor	3.8	P
309-00-2-----	Aldrin	6.8	P
1024-57-3-----	Heptachlor epoxide	10	
959-98-8-----	Endosulfan I	6.4	P
60-57-1-----	Dieldrin	11	P
72-55-9-----	4,4'-DDE	5.9	P
72-20-8-----	Endrin	4.3	U
33213-65-9-----	Endosulfan II	4.3	U
72-54-8-----	4,4'-DDD	14	
1031-07-8-----	Endosulfan sulfate	4.3	U
50-29-3-----	4,4'-DDT	4.3	U
72-43-5-----	Methoxychlor	22	U
53494-70-5-----	Endrin ketone	4.3	U
7421-93-4-----	Endrin aldehyde	4.3	U
5103-71-9-----	alpha-Chlordane	5.6	P
5103-74-2-----	gamma-Chlordane	13	P
8001-35-2-----	Toxaphene	220	U
12674-11-2-----	Aroclor-1016	43	U
11104-28-2-----	Aroclor-1221	87	U
11141-16-5-----	Aroclor-1232	43	U
53469-21-9-----	Aroclor-1242	190	P
12672-29-6-----	Aroclor-1248	43	U
11097-69-1-----	Aroclor-1254	270	
11096-82-5-----	Aroclor-1260	43	U

OK 45.5

CCF
3/2/00

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS29E

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355004

Sample wt/vol: 30.9 (g/mL) G

Lab File ID: E2B6676F

% Moisture: 15 decanted: (Y/N) N

Date Received: 11/30/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	1.9	U
319-85-7-----	beta-BHC	1.9	U
319-86-8-----	delta-BHC	2.1	P
58-89-9-----	gamma-BHC (Lindane)	1.9	U
76-44-8-----	Heptachlor	1.9	U
309-00-2-----	Aldrin	1.9	U
1024-57-3-----	Heptachlor epoxide	1.9	U
959-98-8-----	Endosulfan I	1.9	U
60-57-1-----	Dieldrin	3.8	U
72-55-9-----	4,4'-DDE	6.1	
72-20-8-----	Endrin	3.8	U
33213-65-9-----	Endosulfan II	3.8	U
72-54-8-----	4,4'-DDD	3.8	U
1031-07-8-----	Endosulfan sulfate	3.8	U
50-29-3-----	4,4'-DDT	3.8	U
72-43-5-----	Methoxychlor	19	U
53494-70-5-----	Endrin ketone	3.8	U
7421-93-4-----	Endrin aldehyde	3.8	U
5103-71-9-----	alpha-Chlordane	1.9	U <i>ok</i>
5103-74-2-----	gamma-Chlordane	1.9	U
8001-35-2-----	Toxaphene	190	U
12674-11-2-----	Aroclor-1016	38	U
11104-28-2-----	Aroclor-1221	77	U
11141-16-5-----	Aroclor-1232	38	U
53469-21-9-----	Aroclor-1242	45	P
12672-29-6-----	Aroclor-1248	38	U
11097-69-1-----	Aroclor-1254	38	U
11096-82-5-----	Aroclor-1260	38	U

2/23/00

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS31B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355001

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: E2B6644F

% Moisture: 72 decanted: (Y/N) N

Date Received: 11/30/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.9

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----alpha-BHC	6.1	U
319-85-7-----beta-BHC	6.1	U
319-86-8-----delta-BHC	8.9	
58-89-9-----gamma-BHC (Lindane)	6.1	U
76-44-8-----Heptachlor	6.1	U
309-00-2-----Aldrin	6.1	U
1024-57-3-----Heptachlor epoxide	17	P
959-98-8-----Endosulfan I	6.1	U
60-57-1-----Dieldrin	14	
72-55-9-----4,4'-DDE	12	U
72-20-8-----Endrin	12	U
33213-65-9-----Endosulfan II	12	U
72-54-8-----4,4'-DDD	12	U
1031-07-8-----Endosulfan sulfate	12	U
50-29-3-----4,4'-DDT	12	U
72-43-5-----Methoxychlor	61	U
53494-70-5-----Endrin ketone	12	U
7421-93-4-----Endrin aldehyde	12	U
5103-71-9-----alpha-Chlordane	6.1	U
5103-74-2-----gamma-Chlordane	9.3	P
8001-35-2-----Toxaphene	610	U
12674-11-2-----Aroclor-1016	120	U
11104-28-2-----Aroclor-1221	240	U
11141-16-5-----Aroclor-1232	120	U
53469-21-9-----Aroclor-1242	340	
12672-29-6-----Aroclor-1248	120	U
11097-69-1-----Aroclor-1254	120	U
11096-82-5-----Aroclor-1260	120	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS31C

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355002

Sample wt/vol: 30.8 (g/mL) G

Lab File ID: E2B6645F

% Moisture: 26 decanted: (Y/N) N

Date Received: 11/30/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

319-84-6-----	alpha-BHC	2.2	U
319-85-7-----	beta-BHC	2.2	U
319-86-8-----	delta-BHC	2.2	U
58-89-9-----	gamma-BHC (Lindane)	2.2	U
76-44-8-----	Heptachlor	2.2	U
309-00-2-----	Aldrin	2.2	U
1024-57-3-----	Heptachlor epoxide	2.9	P
959-98-8-----	Endosulfan I	2.2	U
60-57-1-----	Dieldrin	4.3	U
72-55-9-----	4,4'-DDE	4.3	U
72-20-8-----	Endrin	4.3	U
33213-65-9-----	Endosulfan II	4.4	P
72-54-8-----	4,4'-DDD	4.3	U
1031-07-8-----	Endosulfan sulfate	4.3	U
50-29-3-----	4,4'-DDT	4.3	U
72-43-5-----	Methoxychlor	22	U
53494-70-5-----	Endrin ketone	4.3	U
7421-93-4-----	Endrin aldehyde	4.3	U
5103-71-9-----	alpha-Chlordane	2.2	U
5103-74-2-----	gamma-Chlordane	2.9	P
8001-35-2-----	Toxaphene	220	U
12674-11-2-----	Aroclor-1016	43	U
11104-28-2-----	Aroclor-1221	88	U
11141-16-5-----	Aroclor-1232	43	U
53469-21-9-----	Aroclor-1242	51	P
12672-29-6-----	Aroclor-1248	43	U
11097-69-1-----	Aroclor-1254	48	P
11096-82-5-----	Aroclor-1260	43	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01LCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: P1206-LS1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: E2B6628F

% Moisture: 0 decanted: (Y/N) N

Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	1.7	U
319-85-7-----	beta-BHC	1.7	U
319-86-8-----	delta-BHC	1.7	U
58-89-9-----	gamma-BHC (Lindane)	13	
76-44-8-----	Heptachlor	13	
309-00-2-----	Aldrin	12	
1024-57-3-----	Heptachlor epoxide	1.7	U
959-98-8-----	Endosulfan I	1.7	U
60-57-1-----	Dieldrin	29	
72-55-9-----	4,4'-DDE	3.3	U
72-20-8-----	Endrin	31	
33213-65-9-----	Endosulfan II	3.3	U
72-54-8-----	4,4'-DDD	3.3	U
1031-07-8-----	Endosulfan sulfate	3.3	U
50-29-3-----	4,4'-DDT	26	
72-43-5-----	Methoxychlor	17	U
53494-70-5-----	Endrin ketone	3.3	U
7421-93-4-----	Endrin aldehyde	3.3	U
5103-71-9-----	alpha-Chlordane	1.7	U
5103-74-2-----	gamma-Chlordane	1.7	U
8001-35-2-----	Toxaphene	170	U
12674-11-2-----	Aroclor-1016	33	U
11104-28-2-----	Aroclor-1221	67	U
11141-16-5-----	Aroclor-1232	33	U
53469-21-9-----	Aroclor-1242	33	U
12672-29-6-----	Aroclor-1248	33	U
11097-69-1-----	Aroclor-1254	33	U
11096-82-5-----	Aroclor-1260	33	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK05LCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: P1202-LW2

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6671F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 12/02/99

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.41	P
76-44-8-----	Heptachlor	0.38	
309-00-2-----	Aldrin	0.40	
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.85	
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.93	
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.70	
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS23CMS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: 62355013

Sample wt/vol: 30.9 (g/mL) G

Lab File ID: E2B6655F

% Moisture: 10 decanted: (Y/N) N

Date Received: 11/30/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

319-84-6-----	alpha-BHC	1.8	U
319-85-7-----	beta-BHC	1.8	U
319-86-8-----	delta-BHC	1.8	U
58-89-9-----	gamma-BHC (Lindane)	15	
76-44-8-----	Heptachlor	13	
309-00-2-----	Aldrin	14	
1024-57-3-----	Heptachlor epoxide	1.8	U
959-98-8-----	Endosulfan I	1.8	U
60-57-1-----	Dieldrin	32	
72-55-9-----	4,4'-DDE	3.6	U
72-20-8-----	Endrin	33	
33213-65-9-----	Endosulfan II	3.6	U
72-54-8-----	4,4'-DDD	3.6	U
1031-07-8-----	Endosulfan sulfate	3.6	U
50-29-3-----	4,4'-DDT	31	
72-43-5-----	Methoxychlor	18	U
53494-70-5-----	Endrin ketone	3.6	U
7421-93-4-----	Endrin aldehyde	3.6	U
5103-71-9-----	alpha-Chlordane	1.8	U
5103-74-2-----	gamma-Chlordane	1.8	U
8001-35-2-----	Toxaphene	180	U
12674-11-2-----	Aroclor-1016	36	U
11104-28-2-----	Aroclor-1221	72	U
11141-16-5-----	Aroclor-1232	36	U
53469-21-9-----	Aroclor-1242	36	U
12672-29-6-----	Aroclor-1248	36	U
11097-69-1-----	Aroclor-1254	36	U
11096-82-5-----	Aroclor-1260	36	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS23CMSD

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 62355

Matrix: (soil/water) SOIL Lab Sample ID: 62355014

Sample wt/vol: 30.7 (g/mL) G Lab File ID: E2B6656F

% Moisture: 10 decanted: (Y/N) N Date Received: 11/30/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) Y

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6-----	alpha-BHC	1.8	U
319-85-7-----	beta-BHC	1.8	U
319-86-8-----	delta-BHC	1.8	U
58-89-9-----	gamma-BHC (Lindane)	16	
76-44-8-----	Heptachlor	15	
309-00-2-----	Aldrin	15	
1024-57-3-----	Heptachlor epoxide	1.8	U
959-98-8-----	Endosulfan I	1.8	U
60-57-1-----	Dieldrin	33	
72-55-9-----	4,4'-DDE	3.6	U
72-20-8-----	Endrin	36	
33213-65-9-----	Endosulfan II	3.6	U
72-54-8-----	4,4'-DDD	3.6	U
1031-07-8-----	Endosulfan sulfate	3.6	U
50-29-3-----	4,4'-DDT	33	
72-43-5-----	Methoxychlor	18	U
53494-70-5-----	Endrin ketone	3.6	U
7421-93-4-----	Endrin aldehyde	3.6	U
5103-71-9-----	alpha-Chlordane	1.8	U
5103-74-2-----	gamma-Chlordane	1.8	U
8001-35-2-----	Toxaphene	180	U
12674-11-2-----	Aroclor-1016	36	U
11104-28-2-----	Aroclor-1221	73	U
11141-16-5-----	Aroclor-1232	36	U
53469-21-9-----	Aroclor-1242	36	U
12672-29-6-----	Aroclor-1248	36	U
11097-69-1-----	Aroclor-1254	36	U
11096-82-5-----	Aroclor-1260	36	U

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS31B

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62355

Matrix (soil/water): SOIL Lab Sample ID: 62355001

Level (low/med): MED Date Received: 11/30/99

% Solids: 23.0

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4140			P
7440-36-0	Antimony	2.4	B	N	P
7440-38-2	Arsenic	2.6	U		P
7440-39-3	Barium	206			P
7440-41-7	Beryllium	0.13	U		P
7440-43-9	Cadmium	2.9	B		P
7440-70-2	Calcium	38400			P
7440-47-3	Chromium	52.0			P
7440-48-4	Cobalt	3.9	B		P
7440-50-8	Copper	44.4			P
7439-89-6	Iron	45400			P
7439-92-1	Lead	380		E	P
7439-95-4	Magnesium	6440			P
7439-96-5	Manganese	1280			P
7439-97-6	Mercury	1.8		N	CV
7440-02-0	Nickel	18.0	B		P
7440-09-7	Potassium	716	B		P
7782-49-2	Selenium	3.2	U		P
7440-22-4	Silver	5.7	B		P
7440-23-5	Sodium	1810	B		P
7440-28-0	Thallium	2.6	U		P
7440-62-2	Vanadium	11.6	B		P
7440-66-6	Zinc	888			P
56-12-5	Cyanide	0.49	B		C

Color Before: BROWN Clarity Before: _____

Color After: YELLOW Clarity After: CLEAR

668
3/23/00

Texture: STICKY_MUD

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS31C

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62355

Matrix (soil/water): SOIL Lab Sample ID: 62355002

Level (low/med): MED Date Received: 11/30/99

% Solids: 82.0

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12800			P
7440-36-0	Antimony	0.34	U	N	P
7440-38-2	Arsenic	3.9			P
7440-39-3	Barium	54.9			P
7440-41-7	Beryllium	0.52	B		P
7440-43-9	Cadmium	0.37	B		P
7440-70-2	Calcium	1070			P
7440-47-3	Chromium	14.8			P
7440-48-4	Cobalt	10.0			P
7440-50-8	Copper	20.2			P
7439-89-6	Iron	22700			P
7439-92-1	Lead	27.9		E	P
7439-95-4	Magnesium	4120			P
7439-96-5	Manganese	637			P
7439-97-6	Mercury	0.058	U	N	CV
7440-02-0	Nickel	25.2			P
7440-09-7	Potassium	793	B		P
7782-49-2	Selenium	10.0			P
7440-22-4	Silver	1.2	B		P
7440-23-5	Sodium	81.8	B		P
7440-28-0	Thallium	0.69	U		P
7440-62-2	Vanadium	18.7			P
7440-66-6	Zinc	70.2			P
56-12-5	Cyanide	0.077	B		C

Color Before: GREY Clarity Before: _____

Texture: STICKY_MUD

Color After: LT. YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS27A

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62355

Matrix (soil/water): SOIL Lab Sample ID: 62355003

Level (low/med): MED Date Received: 11/30/99

% Solids: 77.0

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11600			P
7440-36-0	Antimony	0.50	U	N	P
7440-38-2	Arsenic	5.5			P
7440-39-3	Barium	54.3			P
7440-41-7	Beryllium	0.43	B		P
7440-43-9	Cadmium	1.4			P
7440-70-2	Calcium	5660			P
7440-47-3	Chromium	20.6			P
7440-48-4	Cobalt	11.1	B		P
7440-50-8	Copper	44.8			P
7439-89-6	Iron	38100			P
7439-92-1	Lead	105		E	P
7439-95-4	Magnesium	5250			P
7439-96-5	Manganese	642			P
7439-97-6	Mercury	0.065	U	N	CV
7440-02-0	Nickel	32.3			P
7440-09-7	Potassium	1560			P
7782-49-2	Selenium	5.8			P
7440-22-4	Silver	2.8			P
7440-23-5	Sodium	955	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	17.3			P
7440-66-6	Zinc	340			P
56-12-5	Cyanide	0.046	B		C

Color Before: BROWN Clarity Before: _____ Texture: STICKY_MUD

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS29E

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62355__

Matrix (soil/water): SOIL_____ Lab Sample ID: 62355004_____

Level (low/med): MED_____ Date Received: 11/30/99_____

% Solids: 86.0_____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13300			P
7440-36-0	Antimony	0.32	U	N	P
7440-38-2	Arsenic	6.1			P
7440-39-3	Barium	52.7			P
7440-41-7	Beryllium	0.56	B		P
7440-43-9	Cadmium	0.39	B		P
7440-70-2	Calcium	3140			P
7440-47-3	Chromium	16.1			P
7440-48-4	Cobalt	11.9			P
7440-50-8	Copper	25.2			P
7439-89-6	Iron	25600			P
7439-92-1	Lead	19.9		E	P
7439-95-4	Magnesium	5220			P
7439-96-5	Manganese	976			P
7439-97-6	Mercury	0.048	U	N	CV
7440-02-0	Nickel	29.7			P
7440-09-7	Potassium	817			P
7782-49-2	Selenium	6.0			P
7440-22-4	Silver	1.3	B		P
7440-23-5	Sodium	130	B		P
7440-28-0	Thallium	0.64	U		P
7440-62-2	Vanadium	20.5			P
7440-66-6	Zinc	72.0			P
56-12-5	Cyanide	0.032	U		C

Color Before: LT._YELLOW Clarity Before: _____

Texture: STICKY_MUB

Color After: BROWN_____ Clarity After: CLEAR__

Artifacts: _____

Comments:

CGF 3/23/00

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS27E891

Lab Name: MITKEM_CORPORATION _____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62355 _____

Matrix (soil/water): SOIL _____ Lab Sample ID: 62355005 _____

Level (low/med): MED _____ Date Received: 11/30/99 _____

% Solids: 66.0 _____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11000			P
7440-36-0	Antimony	0.46	U	N	P
7440-38-2	Arsenic	5.4			P
7440-39-3	Barium	79.2			P
7440-41-7	Beryllium	0.40	B		P
7440-43-9	Cadmium	2.5			P
7440-70-2	Calcium	3240			P
7440-47-3	Chromium	27.4			P
7440-48-4	Cobalt	9.0	B		P
7440-50-8	Copper	42.3			P
7439-89-6	Iron	37600			P
7439-92-1	Lead	122		E	P
7439-95-4	Magnesium	3890			P
7439-96-5	Manganese	680			P
7439-97-6	Mercury	0.11	B	N	CV
7440-02-0	Nickel	31.9			P
7440-09-7	Potassium	808	B		P
7782-49-2	Selenium	10.0			P
7440-22-4	Silver	3.4			P
7440-23-5	Sodium	359	B		P
7440-28-0	Thallium	1.8	B		P
7440-62-2	Vanadium	17.1			P
7440-66-6	Zinc	496			P
56-12-5	Cyanide	0.10	B		C

Color Before: BROWN _____ Clarity Before: _____ Texture: MED _____

Color After: YELLOW _____ Clarity After: CLEAR _____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS27B

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62355__

Matrix (soil/water): SOIL_____ Lab Sample ID: 62355006_____

Level (low/med): MED_____ Date Received: 11/30/99_____

% Solids: 74.0_____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12500			P
7440-36-0	Antimony	0.45	U	N	P
7440-38-2	Arsenic	5.8			P
7440-39-3	Barium	1220			P
7440-41-7	Beryllium	0.47	B		P
7440-43-9	Cadmium	4.4			P
7440-70-2	Calcium	4510			P
7440-47-3	Chromium	55.8			P
7440-48-4	Cobalt	10.0	B		P
7440-50-8	Copper	37.3			P
7439-89-6	Iron	25300			P
7439-92-1	Lead	116		E	P
7439-95-4	Magnesium	5240			P
7439-96-5	Manganese	621			P
7439-97-6	Mercury	0.26		N	CV
7440-02-0	Nickel	31.0			P
7440-09-7	Potassium	655	B		P
7782-49-2	Selenium	1.8			P
7440-22-4	Silver	47.2			P
7440-23-5	Sodium	639	B		P
7440-28-0	Thallium	0.90	B		P
7440-62-2	Vanadium	17.4			P
7440-66-6	Zinc	987			P
56-12-5	Cyanide	0.74			C

Color Before: BRWON_____ Clarity Before: _____

Texture: MED_____

Color After: LT. YELLOW Clarity After: CLEAR_____

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS25F

Lab Name: MITKEM_CORPORATION _____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62355 _____

Matrix (soil/water): SOIL _____ Lab Sample ID: 62355007 _____

Level (low/med): MED _____ Date Received: 11/30/99 _____

% Solids: 90.0 _____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13500			P
7440-36-0	Antimony	0.32	U	N	P
7440-38-2	Arsenic	5.8			P
7440-39-3	Barium	60.6			P
7440-41-7	Beryllium	0.55	B		P
7440-43-9	Cadmium	0.49	B		P
7440-70-2	Calcium	1370			P
7440-47-3	Chromium	15.7			P
7440-48-4	Cobalt	12.4			P
7440-50-8	Copper	26.9			P
7439-89-6	Iron	26100			P
7439-92-1	Lead	18.4		E	P
7439-95-4	Magnesium	4860			P
7439-96-5	Manganese	1080			P
7439-97-6	Mercury	0.056	U	N	CV
7440-02-0	Nickel	30.1			P
7440-09-7	Potassium	1200			P
7782-49-2	Selenium	10.8			P
7440-22-4	Silver	1.5	B		P
7440-23-5	Sodium	92.8	B		P
7440-28-0	Thallium	0.63	U		P
7440-62-2	Vanadium	19.5			P
7440-66-6	Zinc	80.0			P
56-12-5	Cyanide	0.037	U		C

Color Before: BRWON _____ Clarity Before: 66T 3/23/00 Texture: MED _____

Color After: LT.YELLOW Clarity After: CLEAR _____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS27D

Lab Name: MITKEM_CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 62355

Matrix (soil/water): SOIL Lab Sample ID: 62355008

Level (low/med): MED Date Received: 11/30/99

% Solids: 58.0

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17800			P
7440-36-0	Antimony	0.49	U	N	P
7440-38-2	Arsenic	6.1			P
7440-39-3	Barium	73.2			P
7440-41-7	Beryllium	0.68	B		P
7440-43-9	Cadmium	0.95	B		P
7440-70-2	Calcium	2300			P
7440-47-3	Chromium	25.6			P
7440-48-4	Cobalt	14.7			P
7440-50-8	Copper	42.0			P
7439-89-6	Iron	37500			P
7439-92-1	Lead	47.4		E	P
7439-95-4	Magnesium	5580			P
7439-96-5	Manganese	1420			P
7439-97-6	Mercury	0.15		N	CV
7440-02-0	Nickel	37.2			P
7440-09-7	Potassium	910	B		P
7782-49-2	Selenium	12.8			P
7440-22-4	Silver	2.2	B		P
7440-23-5	Sodium	310	B		P
7440-28-0	Thallium	1.3	B		P
7440-62-2	Vanadium	28.8			P
7440-66-6	Zinc	231			P
56-12-5	Cyanide	0.055	U		C

Color Before: GREY

Clarity Before:

Texture: STICKY_MUD

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

60F 3/23/00

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS23C

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62355__

Matrix (soil/water): SOIL_____ Lab Sample ID: 62355009_____

Level (low/med): MED_____ Date Received: 11/30/99_____

% Solids: 91.0_____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10500			P
7440-36-0	~~Antimony~~	~~0.43~~	~~U~~	~~N~~	~~P~~
7440-38-2	Arsenic	6.0			P
7440-39-3	Barium	50.8			P
7440-41-7	Beryllium	0.48	B		P
7440-43-9	Cadmium	0.45	B		P
7440-70-2	Calcium	2500			P
7440-47-3	Chromium	13.9			P
7440-48-4	Cobalt	10.0	B		P
7440-50-8	Copper	25.3			P
7439-89-6	Iron	24400			P
7439-92-1	Lead	14.5		E	P
7439-95-4	Magnesium	4090			P
7439-96-5	Manganese	751			P
7439-97-6	Mercury	0.071	B	N	CV
7440-02-0	Nickel	27.0			P
7440-09-7	Potassium	1010	B		P
7782-49-2	Selenium	4.5			P
7440-22-4	~~Silver~~	~~1.5~~	~~B~~		~~P~~
7440-23-5	Sodium	86.5	B		P
7440-28-0	Thallium	1.0	B		P
7440-62-2	Vanadium	17.8			P
7440-66-6	Zinc	74.3			P
56-12-5	Cyanide	0.031	U		C

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J

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66F 3/23/00

Color Before: BROWN_____ Clarity Before: _____ Texture: MED_____

Color After: LT.YELLOW_____ Clarity After: CLEAR_____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

FB112999

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62355

Matrix (soil/water): WATER Lab Sample ID: 62355011

Level (low/med): MED Date Received: 11/30/99

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20.0	U		P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	18.0	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	1.2	B		P
7440-70-2	Calcium	203	U		P
7440-47-3	Chromium	1.8	B		P
7440-48-4	Cobalt	1.5	B		P
7440-50-8	Copper	7.3	B		P
7439-89-6	Iron	27.3	B		P
7439-92-1	Lead	9.0			P
7439-95-4	Magnesium	38.2	B		P
7439-96-5	Manganese	2.6	B		P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	2.1	B		P
7440-09-7	Potassium	185	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	2.1	B		P
7440-23-5	Sodium	134	U		P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	0.55	B		P
7440-66-6	Zinc	22.0			P
56-12-5	Cyanide	1.0	U		C

Color Before: COLORLESS Clarity Before: COLORLESS Texture: _____

Color After: CLEAR Clarity After: CLEAR Artifacts: _____

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK1E

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: V1B1206A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8382

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/06/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	1	J
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBK1E

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: V1B1206A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8382

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/06/99

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.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1Y

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: V1B1202B

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8232

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/02/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBK1Y

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: V1B1202B

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8232

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/02/99

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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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK2U

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: V2B1209B

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2C8052

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/09/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBK2U

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: V2B1209B

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2C8052

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/09/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

VBLK5I

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: V5B1202A

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B8072

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/02/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10 U	
74-83-9-----	Bromomethane	10 U	
75-01-4-----	Vinyl Chloride	10 U	
75-00-3-----	Chloroethane	10 U	
75-09-2-----	Methylene Chloride	10 U	
67-64-1-----	Acetone	10 U	7J
75-15-0-----	Carbon Disulfide	10 U	
75-35-4-----	1,1-Dichloroethene	10 U	
75-34-3-----	1,1-Dichloroethane	10 U	
540-59-0-----	1,2-Dichloroethene (Total)	10 U	
67-66-3-----	Chloroform	10 U	
107-06-2-----	1,2-Dichloroethane	10 U	
78-93-3-----	2-Butanone	10 U	
71-55-6-----	1,1,1-Trichloroethane	10 U	
56-23-5-----	Carbon Tetrachloride	10 U	
75-27-4-----	Bromodichloromethane	10 U	
78-87-5-----	1,2-Dichloropropane	10 U	
10061-01-5-----	cis-1,3-Dichloropropene	10 U	
79-01-6-----	Trichloroethene	10 U	
124-48-1-----	Dibromochloromethane	10 U	
79-00-5-----	1,1,2-Trichloroethane	10 U	
71-43-2-----	Benzene	10 U	
10061-02-6-----	trans-1,3-Dichloropropene	10 U	
75-25-2-----	Bromoform	10 U	
108-10-1-----	4-Methyl-2-Pentanone	10 U	
591-78-6-----	2-Hexanone	10 U	
127-18-4-----	Tetrachloroethene	10 U	
79-34-5-----	1,1,2,2-Tetrachloroethane	10 U	
108-88-3-----	Toluene	10 U	
108-90-7-----	Chlorobenzene	10 U	
100-41-4-----	Ethylbenzene	10 U	
100-42-5-----	Styrene	10 U	
1330-20-7-----	Xylene (Total)	10 U	

86F
3/16/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK5I

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: V5B1202A

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B8072

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/02/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1. _____				
2. _____				
3. _____				
4. _____				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK2U

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: V2B1209C

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2C8071

Level: (low/med) LOW

Date Received: 11/19/99

% Moisture: not dec. _____

Date Analyzed: 12/10/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	1	J
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	3	J
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK2U

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: V2B1209C

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2C8071

Level: (low/med) LOW

Date Received: 11/19/99

% Moisture: not dec. _____

Date Analyzed: 12/10/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1J

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: S1202-BW4

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B1867

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/02/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/14/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1J

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: S1202-BW4

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B1867

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/02/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/14/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a, h) anthracene	10	U
191-24-2-----	Benzo (g, h, i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK1J

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: S1202-BW4

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B1867

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/02/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/14/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1P

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: S1206-BS2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S1B1888

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/15/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

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

108-95-2-----	Phenol	330	U
111-44-4-----	bis(-2-Chloroethyl) Ether	330	U
95-57-8-----	2-Chlorophenol	330	U
541-73-1-----	1,3-Dichlorobenzene	330	U
106-46-7-----	1,4-Dichlorobenzene	330	U
95-50-1-----	1,2-Dichlorobenzene	330	U
95-48-7-----	2-Methylphenol	330	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5-----	4-Methylphenol	330	U
621-64-7-----	N-Nitroso-di-n-propylamine	330	U
67-72-1-----	Hexachloroethane	330	U
98-95-3-----	Nitrobenzene	330	U
78-59-1-----	Isophorone	330	U
88-75-5-----	2-Nitrophenol	330	U
105-67-9-----	2,4-Dimethyphenol	330	U
120-83-2-----	2,4-Dichlorophenol	330	U
120-82-1-----	1,2,4-Trichlorobenzene	330	U
91-20-3-----	Naphthalene	330	U
106-47-8-----	4-Chloroaniline	330	U
111-91-1-----	bis(2-Chloroethoxy)methane	330	U
87-68-3-----	Hexachlorobutadiene	330	U
59-50-7-----	4-Chloro-3-methylphenol	330	U
91-57-6-----	2-Methylnaphthalene	330	U
77-47-4-----	Hexachlorocyclopentadiene	330	U
88-06-2-----	2,4,6-Trichlorophenol	330	U
95-95-4-----	2,4,5-Trichlorophenol	830	U
91-58-7-----	2-Chloronaphthalene	330	U
88-74-4-----	2-Nitroaniline	830	U
131-11-3-----	Dimethylphthalate	330	U
208-96-8-----	Acenaphthylene	330	U
606-20-2-----	2,6-Dinitrotoluene	330	U
99-09-2-----	3-Nitroaniline	830	U
83-32-9-----	Acenaphthene	330	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1P

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: S1206-BS2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S1B1888

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/15/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ____

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

51-28-5-----	2,4-Dinitrophenol	830	U
100-02-7-----	4-Nitrophenol	830	U
132-64-9-----	Dibenzofuran	330	U
121-14-2-----	2,4-Dinitrotoluene	330	U
84-66-2-----	Diethylphthalate	330	U
7005-72-3-----	4-Chlorophenyl-phenylether	330	U
86-73-7-----	Fluorene	330	U
100-01-6-----	4-Nitroaniline	830	U
534-52-1-----	4,6-Dinitro-2-methylphenol	830	U
86-30-6-----	N-Nitrosodiphenylamine (1)	330	U
101-55-3-----	4-Bromophenyl-phenylether	330	U
118-74-1-----	Hexachlorobenzene	330	U
87-86-5-----	Pentachlorophenol	830	U
85-01-8-----	Phenanthrene	330	U
120-12-7-----	Anthracene	330	U
86-74-8-----	Carbazole	330	U
84-74-2-----	Di-n-butylphthalate	330	U
206-44-0-----	Fluoranthene	330	U
129-00-0-----	Pyrene	330	U
85-68-7-----	Butylbenzylphthalate	330	U
91-94-1-----	3,3'-Dichlorobenzidine	330	U
56-55-3-----	Benzo(a)anthracene	330	U
218-01-9-----	Chrysene	330	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	330	U
117-84-0-----	Di-n-octylphthalate	330	U
205-99-2-----	Benzo(b)fluoranthene	330	U
207-08-9-----	Benzo(k)fluoranthene	330	U
50-32-8-----	Benzo(a)pyrene	330	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	330	U
53-70-3-----	Dibenzo(a,h)anthracene	330	U
191-24-2-----	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK1P

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: S1206-BS2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S1B1888

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/15/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.18	290	J
2. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	4.67	22000	ANJ
3.	UNKNOWN	5.75	360	J
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) SOIL

Lab Sample ID: P1206-BS1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: E2B6627F

% Moisture: 0 decanted: (Y/N) N

Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: _____

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	1.7	U
319-85-7-----	beta-BHC	1.7	U
319-86-8-----	delta-BHC	1.7	U
58-89-9-----	gamma-BHC (Lindane)	1.7	U
76-44-8-----	Heptachlor	1.7	U
309-00-2-----	Aldrin	1.7	U
1024-57-3-----	Heptachlor epoxide	1.7	U
959-98-8-----	Endosulfan I	1.7	U
60-57-1-----	Dieldrin	3.3	U
72-55-9-----	4,4'-DDE	3.3	U
72-20-8-----	Endrin	3.3	U
33213-65-9-----	Endosulfan II	3.3	U
72-54-8-----	4,4'-DDD	3.3	U
1031-07-8-----	Endosulfan sulfate	3.3	U
50-29-3-----	4,4'-DDT	3.3	U
72-43-5-----	Methoxychlor	17	U
53494-70-5-----	Endrin ketone	3.3	U
7421-93-4-----	Endrin aldehyde	3.3	U
5103-71-9-----	alpha-Chlordane	1.7	U
5103-74-2-----	gamma-Chlordane	1.7	U
8001-35-2-----	Toxaphene	170	U
12674-11-2-----	Aroclor-1016	33	U
11104-28-2-----	Aroclor-1221	67	U
11141-16-5-----	Aroclor-1232	33	U
53469-21-9-----	Aroclor-1242	33	U
12672-29-6-----	Aroclor-1248	33	U
11097-69-1-----	Aroclor-1254	33	U
11096-82-5-----	Aroclor-1260	33	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK05

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: P1202-BW2

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6670F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 12/02/99

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

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

CAS NO.

COMPOUND

Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKI1

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKII1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6510F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/18/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

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

CAS NO.

COMPOUND

Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKI1

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK11

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6510R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/18/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIJ

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIJ

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6625F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIJ

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIJ

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6625R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIK

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIK

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6638F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIK

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIK

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6638R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

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

CAS NO.	COMPOUND	Q
319-84-6-----	alpha-BHC	0.025 U
319-85-7-----	beta-BHC	0.025 U
319-86-8-----	delta-BHC	0.025 U
58-89-9-----	gamma-BHC (Lindane)	0.025 U
76-44-8-----	Heptachlor	0.025 U
309-00-2-----	Aldrin	0.025 U
1024-57-3-----	Heptachlor epoxide	0.025 U
959-98-8-----	Endosulfan I	0.025 U
60-57-1-----	Dieldrin	0.050 U
72-55-9-----	4,4'-DDE	0.050 U
72-20-8-----	Endrin	0.050 U
33213-65-9-----	Endosulfan II	0.050 U
72-54-8-----	4,4'-DDD	0.050 U
1031-07-8-----	Endosulfan sulfate	0.050 U
50-29-3-----	4,4'-DDT	0.050 U
72-43-5-----	Methoxychlor	0.25 U
53494-70-5-----	Endrin ketone	0.050 U
7421-93-4-----	Endrin aldehyde	0.050 U
5103-71-9-----	alpha-Chlordane	0.025 U
5103-74-2-----	gamma-Chlordane	0.025 U
8001-35-2-----	Toxaphene	2.5 U
12674-11-2-----	Aroclor-1016	0.50 U
11104-28-2-----	Aroclor-1221	1.0 U
11141-16-5-----	Aroclor-1232	0.50 U
53469-21-9-----	Aroclor-1242	0.50 U
12672-29-6-----	Aroclor-1248	0.50 U
11097-69-1-----	Aroclor-1254	0.50 U
11096-82-5-----	Aroclor-1260	0.50 U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIL

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6653F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIL

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6653R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIM

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62355

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

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E2B6667F

% Moisture: _____ decanted: (Y/N) _____ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted: _____

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIM

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIM

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6667R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIN

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIN

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6682F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/24/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIN

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62355

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIN

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6682R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/24/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB113099

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: 62364007

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B8082

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: not dec. _____

Date Analyzed: 12/02/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
			Q
74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	10	U
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (Total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (Total)	10	U

46F
3/14/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB113099

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: 62364007

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B8082

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: not dec. _____

Date Analyzed: 12/02/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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11.				
12.				
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27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS23AA

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364001

Sample wt/vol: 2.0 (g/mL) G

Lab File ID: V1C8391

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: not dec. 63

Date Analyzed: 12/06/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
			Q
74-87-3	Chloromethane	68	U
74-83-9	Bromomethane	68	U
75-01-4	Vinyl Chloride	68	U
75-00-3	Chloroethane	68	U
75-09-2	Methylene Chloride	64	BT/L
67-64-1	Acetone	330	
75-15-0	Carbon Disulfide	14	J
75-35-4	1,1-Dichloroethene	68	U
75-34-3	1,1-Dichloroethane	68	U
540-59-0	1,2-Dichloroethene (Total)	68	U
67-66-3	Chloroform	68	U
107-06-2	1,2-Dichloroethane	68	U
78-93-3	2-Butanone	140	
71-55-6	1,1,1-Trichloroethane	68	U
56-23-5	Carbon Tetrachloride	68	U
75-27-4	Bromodichloromethane	68	U
78-87-5	1,2-Dichloropropane	68	U
10061-01-5	cis-1,3-Dichloropropene	68	U
79-01-6	Trichloroethene	68	U
124-48-1	Dibromochloromethane	68	U
79-00-5	1,1,2-Trichloroethane	68	U
71-43-2	Benzene	25	J
10061-02-6	trans-1,3-Dichloropropene	68	U
75-25-2	Bromoform	68	U
108-10-1	4-Methyl-2-Pentanone	68	U
591-78-6	2-Hexanone	68	U
127-18-4	Tetrachloroethene	68	U
79-34-5	1,1,2,2-Tetrachloroethane	68	U
108-88-3	Toluene	79	
108-90-7	Chlorobenzene	750	
100-41-4	Ethylbenzene	22	J
100-42-5	Styrene	68	U
1330-20-7	Xylene (Total)	2400	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS23AA

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364001

Sample wt/vol: 2.0 (g/mL) G

Lab File ID: V1C8391

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: not dec. 63

Date Analyzed: 12/06/99

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

Number TICs found: 29

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1. 1678-92-8	CYCLOHEXANE, PROPYL-	12.92	53	NJ
2.	UNKNOWN CYCLOALKANE	13.15	120	J
3.	C3-BENZENE ISOMER	13.55	260	J
4.	C3-BENZENE ISOMER	13.65	430	J
5.	C3-BENZENE ISOMER	13.75	600	J
6. 20536-40-7	BICYCLO[2.2.1]HEPTANE, 2,2,3	13.87	46	NJ
7.	C3-BENZENE ISOMER	13.99	160	J
8.	C3-BENZENE ISOMER	14.19	1400	J
9.	C4-BENZENE ISOMER	14.39	190	J
10.	C4-BENZENE ISOMER	14.48	94	J
11.	BENZENE, DICHLORO ISOMER	14.64	270	J
12.	C3-BENZENE ISOMER	14.69	590	J
13.	C9H10 ISOMER	14.93	390	J
14.	C4-BENZENE ISOMER	14.98	140	J
15.	BENZENE, DICHLORO ISOMER	15.08	190	J
16.	C4-BENZENE ISOMER	15.21	75	J
17.	C4-BENZENE ISOMER	15.31	93	J
18.	C4-BENZENE ISOMER	15.41	130	J
19.	C10H12 ISOMER	15.57	98	J
20.	C4-BENZENE ISOMER	15.77	91	J
21.	C4-BENZENE ISOMER	15.86	84	J
22.	C4-BENZENE ISOMER	15.92	90	J
23.	C10H12 ISOMER	16.25	52	J
24.	C4-BENZENE ISOMER	16.39	150	J
25. 91-20-3	NAPHTHALENE	17.12	1000	NJ
26.	NAPHTHALENE, METHYL ISOMER	18.32	67	J
27.	NAPHTHALENE, METHYL ISOMER	18.53	51	J
28.	C12H10 ISOMER	19.14	260	J
29.	UNKNOWN	19.43	66	J
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25AA13

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364002

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8414

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: not dec. 57

Date Analyzed: 12/07/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
			Q
74-87-3	Chloromethane	23	U
74-83-9	Bromomethane	23	U
75-01-4	Vinyl Chloride	23	U
75-00-3	Chloroethane	23	U
75-09-2	Methylene Chloride	6	J
67-64-1	Acetone	130	B
75-15-0	Carbon Disulfide	17	J
75-35-4	1,1-Dichloroethene	23	U
75-34-3	1,1-Dichloroethane	23	U
540-59-0	1,2-Dichloroethene (Total)	23	U
67-66-3	Chloroform	23	U
107-06-2	1,2-Dichloroethane	23	U
78-93-3	2-Butanone	42	
71-55-6	1,1,1-Trichloroethane	23	U
56-23-5	Carbon Tetrachloride	23	U
75-27-4	Bromodichloromethane	23	U
78-87-5	1,2-Dichloropropane	23	U
10061-01-5	cis-1,3-Dichloropropene	23	U
79-01-6	Trichloroethene	23	U
124-48-1	Dibromochloromethane	23	U
79-00-5	1,1,2-Trichloroethane	23	U
71-43-2	Benzene	18	J
10061-02-6	trans-1,3-Dichloropropene	23	U
75-25-2	Bromoform	23	U
108-10-1	4-Methyl-2-Pentanone	23	U
591-78-6	2-Hexanone	23	U
127-18-4	Tetrachloroethene	23	U
79-34-5	1,1,2,2-Tetrachloroethane	23	UJ
108-88-3	Toluene	6	J
108-90-7	Chlorobenzene	100	
100-41-4	Ethylbenzene	4	J
100-42-5	Styrene	23	U
1330-20-7	Xylene (Total)	130	

ECF
3/14/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS25AA13

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364002

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8414

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: not dec. 57

Date Analyzed: 12/07/99

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 1124-25-0	CYCLOHEXANE, 1-METHYL-4-(1-M	13.14	75	NJ
2. 79-92-5	CAMPHENE	13.41	25	NJ
3. 103-65-1	BENZENE, PROPYL-	13.55	37	NJ
4.	UNKNOWN CYCLOALKANE	13.68	55	J
5.	UNKNOWN ALKANE	13.73	95	J
6.	C3-BENZENE ISOMER	14.01	24	J
7.	UNKNOWN ALKANE	14.07	26	J
8.	C3-BENZENE ISOMER	14.20	200	J
9.	UNKNOWN	14.43	80	J
10. 7058-01-7	CYCLOHEXANE, (1-METHYLPROPYL	14.47	48	NJ
11.	UNKNOWN ALKANE	14.54	36	J
12.	UNKNOWN HYDROCARBON	14.58	25	J
13.	UNKNOWN	14.70	120	J
14.	C9H10 ISOMER	14.93	80	J
15.	C4-BENZENE ISOMER	14.99	36	J
16.	UNKNOWN	15.13	25	J
17.	C4-BENZENE ISOMER	15.21	44	J
18.	C4-BENZENE ISOMER	15.34	97	J
19.	C4-BENZENE ISOMER	15.42	93	J
20.	UNKNOWN	15.58	39	J
21.	UNKNOWN	15.77	56	J
22.	C4-BENZENE ISOMER	15.87	47	J
23.	C4-BENZENE ISOMER	15.92	48	J
24.	UNKNOWN	15.99	47	J
25.	C10H12 ISOMER	16.24	25	J
26.	C10H12 ISOMER	16.41	91	J
27.	C11H14 ISOMER	16.77	20	J
28.	C11H14 ISOMER	16.93	24	J
29. 91-20-3	NAPHTHALENE	17.13	68	NJ
30.	NAPHTHALENE, METHYL ISOMER	18.32	22	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364003

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: V2C8016

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: not dec. 54

Date Analyzed: 12/08/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	-----Chloromethane	110	U
74-83-9	-----Bromomethane	110	U
75-01-4	-----Vinyl Chloride	110	U
75-00-3	-----Chloroethane	110	U
75-09-2	-----Methylene Chloride	67	JB <i>u</i>
67-64-1	-----Acetone	560	
75-15-0	-----Carbon Disulfide	36	J
75-35-4	-----1,1-Dichloroethene	110	U
75-34-3	-----1,1-Dichloroethane	110	U
540-59-0	-----1,2-Dichloroethene (Total)	110	U
67-66-3	-----Chloroform	110	U
107-06-2	-----1,2-Dichloroethane	110	U
78-93-3	-----2-Butanone	110	U
71-55-6	-----1,1,1-Trichloroethane	110	U
56-23-5	-----Carbon Tetrachloride	110	U
75-27-4	-----Bromodichloromethane	110	U
78-87-5	-----1,2-Dichloropropane	110	U
10061-01-5	-----cis-1,3-Dichloropropene	110	U
79-01-6	-----Trichloroethene	110	U
124-48-1	-----Dibromochloromethane	110	U
79-00-5	-----1,1,2-Trichloroethane	110	U
71-43-2	-----Benzene	22	J
10061-02-6	-----trans-1,3-Dichloropropene	110	U
75-25-2	-----Bromoform	110	U
108-10-1	-----4-Methyl-2-Pentanone	110	U
591-78-6	-----2-Hexanone	110	U
127-18-4	-----Tetrachloroethene	110	U
79-34-5	-----1,1,2,2-Tetrachloroethane	110	U
108-88-3	-----Toluene	50	J
108-90-7	-----Chlorobenzene	370	
100-41-4	-----Ethylbenzene	22	J
100-42-5	-----Styrene	110	U
1330-20-7	-----Xylene (Total)	920	

FORM I VOA

get
3/14/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS25B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364003

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: V2C8016

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: not dec. 54

Date Analyzed: 12/08/99

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

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	12.97	430	J
2.	C3-BENZENE ISOMER	13.03	520	J
3.	C3-BENZENE ISOMER	13.14	740	J
4.	C3-BENZENE ISOMER	13.25	1200	J
5.	UNKNOWN HYDROCARBON	13.35	260	J
6.	UNKNOWN	13.52	560	J
7.	UNKNOWN	13.56	530	J
8.	UNKNOWN HYDROCARBON	13.63	2600	J
9.	C3-BENZENE ISOMER	13.68	2700	J
10.	UNKNOWN HYDROCARBON	13.78	1100	J
11.	UNKNOWN	13.93	5000	J
12.	UNKNOWN HYDROCARBON	14.10	1200	J
13.	UNKNOWN HYDROCARBON	14.20	7900	J
14.	UNKNOWN	14.36	780	J
15.	UNKNOWN	14.43	4100	J
16.	UNKNOWN HYDROCARBON	14.54	770	J
17.	UNKNOWN HYDROCARBON	14.63	960	J
18.	UNKNOWN ALKANE	14.70	1100	J
19.	C4-BENZENE ISOMER	14.78	520	J
20.	C4-BENZENE ISOMER	14.83	860	J
21.	C4-BENZENE ISOMER	14.91	1700	J
22.	C10H12 ISOMER	15.05	350	J
23.	UNKNOWN	15.15	380	J
24.	C4-BENZENE ISOMER	15.25	310	J
25.	C4-BENZENE ISOMER	15.35	480	J
26.	C4-BENZENE ISOMER	15.41	630	J
27.	UNKNOWN	15.48	390	J
28.	C10H12 ISOMER	15.72	190	J
29.	C4-BENZENE ISOMER	15.88	560	J
30. 91-20-3	NAPHTHALENE	16.60	480	NJ

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25C2535

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364004

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8394

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: not dec. 1

Date Analyzed: 12/06/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	4	JB
67-64-1	-----Acetone	12	
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (Total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (Total)	1	J

FORM I VOA

E6F

3/4/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS25C2535

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364004

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8394

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: not dec. 1

Date Analyzed: 12/06/99

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.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25DSURF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364005

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8395

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: not dec. 16

Date Analyzed: 12/06/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
74-87-3	Chloromethane	12	U	
74-83-9	Bromomethane	12	U	
75-01-4	Vinyl Chloride	12	U	
75-00-3	Chloroethane	12	U	
75-09-2	Methylene Chloride	2	JB	
67-64-1	Acetone	6	J	
75-15-0	Carbon Disulfide	12	U	
75-35-4	1,1-Dichloroethene	12	U	
75-34-3	1,1-Dichloroethane	12	U	
540-59-0	1,2-Dichloroethene (Total)	12	U	
67-66-3	Chloroform	12	U	
107-06-2	1,2-Dichloroethane	12	U	
78-93-3	2-Butanone	12	U	
71-55-6	1,1,1-Trichloroethane	12	U	
56-23-5	Carbon Tetrachloride	12	U	
75-27-4	Bromodichloromethane	12	U	
78-87-5	1,2-Dichloropropane	12	U	
10061-01-5	cis-1,3-Dichloropropene	12	U	
79-01-6	Trichloroethene	12	U	
124-48-1	Dibromochloromethane	12	U	
79-00-5	1,1,2-Trichloroethane	12	U	
71-43-2	Benzene	12	U	
10061-02-6	trans-1,3-Dichloropropene	12	U	
75-25-2	Bromoform	12	U	
108-10-1	4-Methyl-2-Pentanone	12	U	
591-78-6	2-Hexanone	12	U	
127-18-4	Tetrachloroethene	12	U	
79-34-5	1,1,2,2-Tetrachloroethane	12	U	
108-88-3	Toluene	12	U	
108-90-7	Chlorobenzene	2	J	
100-41-4	Ethylbenzene	2	J	
100-42-5	Styrene	12	U	
1330-20-7	Xylene (Total)	17		

FORM I VOA

EGF
3/14/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS25DSURF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364005

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8395

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: not dec. 16

Date Analyzed: 12/06/99

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.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS32B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364006

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: V1C8416

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: not dec. 62

Date Analyzed: 12/07/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	-----Chloromethane	130	U
74-83-9	-----Bromomethane	130	U
75-01-4	-----Vinyl Chloride	130	U
75-00-3	-----Chloroethane	130	U
75-09-2	-----Methylene Chloride	19	J
67-64-1	-----Acetone	1200	B
75-15-0	-----Carbon Disulfide	130	U
75-35-4	-----1,1-Dichloroethene	130	U
75-34-3	-----1,1-Dichloroethane	130	U
540-59-0	-----1,2-Dichloroethene (Total)	130	U
67-66-3	-----Chloroform	130	U
107-06-2	-----1,2-Dichloroethane	130	U
78-93-3	-----2-Butanone	100	J
71-55-6	-----1,1,1-Trichloroethane	130	U
56-23-5	-----Carbon Tetrachloride	130	U
75-27-4	-----Bromodichloromethane	130	U
78-87-5	-----1,2-Dichloropropane	130	U
10061-01-5	-----cis-1,3-Dichloropropene	130	U
79-01-6	-----Trichloroethene	130	U
124-48-1	-----Dibromochloromethane	130	U
79-00-5	-----1,1,2-Trichloroethane	130	U
71-43-2	-----Benzene	16	J
10061-02-6	-----trans-1,3-Dichloropropene	130	U
75-25-2	-----Bromoform	130	U
108-10-1	-----4-Methyl-2-Pentanone	130	U
591-78-6	-----2-Hexanone	130	U
127-18-4	-----Tetrachloroethene	130	U
79-34-5	-----1,1,2,2-Tetrachloroethane	130	U
108-88-3	-----Toluene	79	J
108-90-7	-----Chlorobenzene	130	U
100-41-4	-----Ethylbenzene	20	J
100-42-5	-----Styrene	130	U
1330-20-7	-----Xylene (Total)	100	J

FORM I VOA

660
3/4/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS32B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364006

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: V1C8416

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: not dec. 62

Date Analyzed: 12/07/99

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.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB113099

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: 62364008

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B8083

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: not dec. _____

Date Analyzed: 12/02/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
74-87-3	Chloromethane	10	U	
74-83-9	Bromomethane	10	U	
75-01-4	Vinyl Chloride	10	U	
75-00-3	Chloroethane	10	U	
75-09-2	Methylene Chloride	10	U	
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
75-35-4	1,1-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
540-59-0	1,2-Dichloroethene (Total)	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	2-Butanone	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
75-27-4	Bromodichloromethane	10	U	
78-87-5	1,2-Dichloropropane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
79-01-6	Trichloroethene	10	U	
124-48-1	Dibromochloromethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
71-43-2	Benzene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	
75-25-2	Bromoform	10	U	
108-10-1	4-Methyl-2-Pentanone	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
108-88-3	Toluene	10	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethylbenzene	10	U	
100-42-5	Styrene	10	U	
1330-20-7	Xylene (Total)	10	U	

FORM I VOA

EQF
2/14/00

029

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB113099

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: 62364008

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B8083

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: not dec. _____

Date Analyzed: 12/02/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.	UNKNOWN	14.81	6	J
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1ELCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: V1L1206A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8383

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/06/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	1	JB
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	51	
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (Total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	51	
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	52	
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	50	
108-90-7	-----Chlorobenzene	50	
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (Total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK5ILCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: V5L1202A

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B8073

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/02/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	4	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	44	
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	48	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	49	
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	48	
108-90-7	Chlorobenzene	48	
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (Total)	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB113099

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: 62364007

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B1880

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/02/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/15/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB113099

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: 62364007

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B1880

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/02/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/15/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB113099

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: 62364007

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B1880

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/02/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/15/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 0

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

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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS23AA

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364001

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B1930

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 72 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

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

108-95-2-----	Phenol	1200	U
111-44-4-----	bis(-2-Chloroethyl) Ether	1200	U
95-57-8-----	2-Chlorophenol	1200	U
541-73-1-----	1,3-Dichlorobenzene	1200	U
106-46-7-----	1,4-Dichlorobenzene	720	J
95-50-1-----	1,2-Dichlorobenzene	350	J
95-48-7-----	2-Methylphenol	1200	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	1200	U
106-44-5-----	4-Methylphenol	1200	U
621-64-7-----	N-Nitroso-di-n-propylamine	1200	U
67-72-1-----	Hexachloroethane	1200	U
98-95-3-----	Nitrobenzene	1200	U
78-59-1-----	Isophorone	1200	U
88-75-5-----	2-Nitrophenol	1200	U
105-67-9-----	2,4-Dimethylphenol	1200	U
120-83-2-----	2,4-Dichlorophenol	1200	U
120-82-1-----	1,2,4-Trichlorobenzene	1200	U
91-20-3-----	Naphthalene	4700	
106-47-8-----	4-Chloroaniline	1200	U
111-91-1-----	bis(2-Chloroethoxy) methane	1200	U
87-68-3-----	Hexachlorobutadiene	1200	U
59-50-7-----	4-Chloro-3-methylphenol	1200	U
91-57-6-----	2-Methylnaphthalene	640	J
77-47-4-----	Hexachlorocyclopentadiene	1200	U
88-06-2-----	2,4,6-Trichlorophenol	1200	U
95-95-4-----	2,4,5-Trichlorophenol	2900	U
91-58-7-----	2-Chloronaphthalene	1200	U
88-74-4-----	2-Nitroaniline	2900	U
131-11-3-----	Dimethylphthalate	1200	U
208-96-8-----	Acenaphthylene	1200	U
606-20-2-----	2,6-Dinitrotoluene	1200	U
99-09-2-----	3-Nitroaniline	2900	U
83-32-9-----	Acenaphthene	1200	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS23AA

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364001

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B1930

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 72 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

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

51-28-5-----	2,4-Dinitrophenol	2900	U
100-02-7-----	4-Nitrophenol	2900	U
132-64-9-----	Dibenzofuran	1200	U
121-14-2-----	2,4-Dinitrotoluene	1200	U
84-66-2-----	Diethylphthalate	1200	U
7005-72-3-----	4-Chlorophenyl-phenylether	1200	U
86-73-7-----	Fluorene	180	J
100-01-6-----	4-Nitroaniline	2900	U
534-52-1-----	4,6-Dinitro-2-methylphenol	2900	U
86-30-6-----	N-Nitrosodiphenylamine (1)	160	J
101-55-3-----	4-Bromophenyl-phenylether	1200	U
118-74-1-----	Hexachlorobenzene	1200	U
87-86-5-----	Pentachlorophenol	2900	U
85-01-8-----	Phenanthrene	920	J
120-12-7-----	Anthracene	1200	U
86-74-8-----	Carbazole	1200	U
84-74-2-----	Di-n-butylphthalate	250	J
206-44-0-----	Fluoranthene	640	J
129-00-0-----	Pyrene	770	J
85-68-7-----	Butylbenzylphthalate	1100	J
91-94-1-----	3,3'-Dichlorobenzidine	1200	U
56-55-3-----	Benzo(a) anthracene	200	J
218-01-9-----	Chrysene	240	J
117-81-7-----	bis(2-Ethylhexyl)phthalate	~~1200~~	J
117-84-0-----	Di-n-octylphthalate	1200	UJ
205-99-2-----	Benzo(b) fluoranthene	260	J
207-08-9-----	Benzo(k) fluoranthene	120	J
50-32-8-----	Benzo(a) pyrene	130	J
193-39-5-----	Indeno(1,2,3-cd) pyrene	1200	UJ
53-70-3-----	Dibenzo(a,h) anthracene	1200	UJ
191-24-2-----	Benzo(g,h,i) perylene	1200	UJ

(1) - Cannot be separated from Diphenylamine

~~12000~~ *use result from SS23A+D*

GGF
3/16/00

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS23AA

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364001

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B1930

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 72 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500(uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.7

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

Number TICs found: 30

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.53~~	~~37000~~	~~ANJB~~
2.	C3-BENZENE ISOMER	6.84	1600	J
3. 934-34-9	2 (3H) -BENZOTHAZOLONE	14.93	1100	NJ
4.	UNKNOWN ALKANE	15.03	780	J
5.	UNKNOWN	16.92	1100	J
6.	UNKNOWN ORGANIC ACID	17.37	4000	J
7.	UNKNOWN ALKANE	17.64	820	J
8.	UNKNOWN	17.97	710	J
9.	UNKNOWN ALKANE	18.24	890	J
10.	UNKNOWN ALKANE	18.45	780	J
11.	UNKNOWN	18.61	6000	J
12.	UNKNOWN	18.82	300	J
13.	UNKNOWN ORGANIC ACID	18.98	1600	J
14.	UNKNOWN ALKANE	19.22	570	J
15.	UNKNOWN ALKANE	19.95	890	J
16.	UNKNOWN ESTER	20.57	560	J
17.	UNKNOWN ALKANE	20.67	3200	J
18.	UNKNOWN ALKANE	21.99	5000	J
19.	UNKNOWN ALKANE	22.62	5100	J
20.	UNKNOWN ALKANE	23.21	4300	J
21.	UNKNOWN ALKANE	23.80	3800	J
22.	UNKNOWN ALKANE	24.36	2200	J
23.	UNKNOWN ALKANE	24.99	2000	J
24.	UNKNOWN ALKANE	25.71	730	J
25.	UNKNOWN ALKANE	26.56	320	J
26.	UNKNOWN	27.15	580	J
27. 471-68-1	OLEAN-12-ENE	27.47	520	NJ
28.	UNKNOWN	27.66	1400	J
29. 638-95-9	.ALPHA.-AMYRIN	28.01	1300	NJ
30. 20475-86-9	URS-12-EN-24-OIC ACID, 3-OXO	28.94	410	NJ

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS23AADL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364001DL

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B2320

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 72 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 7.7

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

108-95-2	Phenol	4700	U
111-44-4	bis(-2-Chloroethyl) Ether	4700	U
95-57-8	2-Chlorophenol	4700	U
541-73-1	1,3-Dichlorobenzene	4700	U
106-46-7	1,4-Dichlorobenzene	680	DJ
95-50-1	1,2-Dichlorobenzene	4700	U
95-48-7	2-Methylphenol	4700	U
108-60-1	2,2'-oxybis(1-Chloropropane)	4700	U
106-44-5	4-Methylphenol	4700	U
621-64-7	N-Nitroso-di-n-propylamine	4700	U
67-72-1	Hexachloroethane	4700	U
98-95-3	Nitrobenzene	4700	U
78-59-1	Isophorone	4700	U
88-75-5	2-Nitrophenol	4700	U
105-67-9	2,4-Dimethylphenol	4700	U
120-83-2	2,4-Dichlorophenol	4700	U
120-82-1	1,2,4-Trichlorobenzene	4700	U
91-20-3	Naphthalene	4100	DJ
106-47-8	4-Chloroaniline	4700	U
111-91-1	bis(2-Chloroethoxy)methane	4700	U
87-68-3	Hexachlorobutadiene	4700	U
59-50-7	4-Chloro-3-methylphenol	4700	U
91-57-6	2-Methylnaphthalene	620	DJ
77-47-4	Hexachlorocyclopentadiene	4700	U
88-06-2	2,4,6-Trichlorophenol	4700	U
95-95-4	2,4,5-Trichlorophenol	12000	U
91-58-7	2-Chloronaphthalene	4700	U
88-74-4	2-Nitroaniline	12000	U
131-11-3	Dimethylphthalate	4700	U
208-96-8	Acenaphthylene	4700	U
606-20-2	2,6-Dinitrotoluene	4700	U
99-09-2	3-Nitroaniline	12000	U
83-32-9	Acenaphthene	4700	U

USE
ORIGINAL
APP
UNDILUTED
LABS

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS23AADL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364001DL

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B2320

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 72 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 7.7

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

51-28-5-----2,4-Dinitrophenol	12000	U
100-02-7-----4-Nitrophenol	12000	U
132-64-9-----Dibenzofuran	4700	U
121-14-2-----2,4-Dinitrotoluene	4700	U
84-66-2-----Diethylphthalate	4700	U
7005-72-3-----4-Chlorophenyl-phenylether	4700	U
86-73-7-----Fluorene	4700	U
100-01-6-----4-Nitroaniline	12000	U
534-52-1-----4,6-Dinitro-2-methylphenol	12000	U
86-30-6-----N-Nitrosodiphenylamine (1)	4700	U
101-55-3-----4-Bromophenyl-phenylether	4700	U
118-74-1-----Hexachlorobenzene	4700	U
87-86-5-----Pentachlorophenol	12000	U
85-01-8-----Phenanthrene	700	DJ
120-12-7-----Anthracene	4700	U
86-74-8-----Carbazole	4700	U
84-74-2-----Di-n-butylphthalate	4700	U
206-44-0-----Fluoranthene	560	DJ
129-00-0-----Pyrene	4700	U
85-68-7-----Butylbenzylphthalate	780	DJ
91-94-1-----3,3'-Dichlorobenzidine	4700	U
56-55-3-----Benzo(a)anthracene	4700	U
218-01-9-----Chrysene	4700	U
117-81-7-----bis(2-Ethylhexyl)phthalate	16000	D
117-84-0-----Di-n-octylphthalate	4700	U
205-99-2-----Benzo(b)fluoranthene	4700	U
207-08-9-----Benzo(k)fluoranthene	4700	U
50-32-8-----Benzo(a)pyrene	4700	U
193-39-5-----Indeno(1,2,3-cd)pyrene	4700	U
53-70-3-----Dibenzo(a,h)anthracene	4700	U
191-24-2-----Benzo(g,h,i)perylene	4700	U

(1) - Cannot be separated from Diphenylamine

use only
this result

606
3/16/00

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS23AADL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364001DL

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B2320

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 72 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	2.30	65000	ANJD
2. 934-34-9	2 (3H) -BENZOTHAZOLONE	12.45	2300	NJD
3. 57-10-3	HEXADECANOIC ACID	14.97	11000	NJD
4. 10544-50-0	SULFUR, MOL. (S8)	15.56	2800	NJD
5.	UNKNOWN	15.94	5300	JD
6.	UNKNOWN	16.27	4800	JD
7.	UNKNOWN ORGANIC ACID	16.54	5400	JD
8.	UNKNOWN ALKANE	16.76	2300	JD
9.	UNKNOWN	16.86	3800	JD
10.	UNKNOWN ALKANE	17.49	5500	JD
11.	UNKNOWN ORGANIC ACID	17.94	1900	JD
12.	UNKNOWN ESTER	18.08	4000	JD
13.	UNKNOWN ALKANE	18.18	8600	JD
14. 1740-19-8	1-PHENANTHRENECARBOXYLIC ACI	18.40	4000	NJD
15.	UNKNOWN ALKANE	18.85	9700	JD
16.	UNKNOWN	18.93	1800	JD
17.	UNKNOWN ALKANE	19.50	22000	JD
18.	UNKNOWN ALKANE	20.11	33000	JD
19.	UNKNOWN ALKANE	20.70	22000	JD
20.	UNKNOWN ALKANE	21.28	18000	JD
21.	UNKNOWN ALKANE	21.61	2900	JD
22.	UNKNOWN ALKANE	21.83	9900	JD
23.	UNKNOWN ALKANE	22.37	20000	JD
24.	UNKNOWN ALKANE	22.89	7000	JD
25.	UNKNOWN	23.39	18000	JD
26.	UNKNOWN	23.57	9700	JD
27. 5945-53-9	D:C-FRIEDOOLEANAN-3-ONE	23.65	22000	NJD
28.	UNKNOWN	23.82	26000	JD
29.	UNKNOWN	23.99	12000	JD
30.	UNKNOWN	24.22	56000	JD

FORM I SV-TIC

668
3/16/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25AA13

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364002

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: S1B1932

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 65 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500(uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2

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

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	950	U
111-44-4-----	bis(-2-Chloroethyl) Ether	950	U
95-57-8-----	2-Chlorophenol	950	U
541-73-1-----	1,3-Dichlorobenzene	950	U
106-46-7-----	1,4-Dichlorobenzene	530	J
95-50-1-----	1,2-Dichlorobenzene	950	U
95-48-7-----	2-Methylphenol	950	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	950	U
106-44-5-----	4-Methylphenol	140	J
621-64-7-----	N-Nitroso-di-n-propylamine	950	U
67-72-1-----	Hexachloroethane	950	U
98-95-3-----	Nitrobenzene	950	U
78-59-1-----	Isophorone	950	U
88-75-5-----	2-Nitrophenol	950	U
105-67-9-----	2,4-Dimethyphenol	950	U
120-83-2-----	2,4-Dichlorophenol	950	U
120-82-1-----	1,2,4-Trichlorobenzene	950	U
91-20-3-----	Naphthalene	1300	
106-47-8-----	4-Chloroaniline	950	U
111-91-1-----	bis(2-Chloroethoxy)methane	950	U
87-68-3-----	Hexachlorobutadiene	950	U
59-50-7-----	4-Chloro-3-methylphenol	950	U
91-57-6-----	2-Methylnaphthalene	830	J
77-47-4-----	Hexachlorocyclopentadiene	950	U
88-06-2-----	2,4,6-Trichlorophenol	950	U
95-95-4-----	2,4,5-Trichlorophenol	2400	U
91-58-7-----	2-Chloronaphthalene	950	U
88-74-4-----	2-Nitroaniline	2400	U
131-11-3-----	Dimethylphthalate	950	U
208-96-8-----	Acenaphthylene	950	U
606-20-2-----	2,6-Dinitrotoluene	950	U
99-09-2-----	3-Nitroaniline	2400	U
83-32-9-----	Acenaphthene	950	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25AA13

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364002

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: S1B1932

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 65 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	2400	U
100-02-7-----	4-Nitrophenol	2400	U
132-64-9-----	Dibenzofuran	950	U
121-14-2-----	2,4-Dinitrotoluene	950	U
84-66-2-----	Diethylphthalate	170	J
7005-72-3-----	4-Chlorophenyl-phenylether	950	U
86-73-7-----	Fluorene	170	J
100-01-6-----	4-Nitroaniline	2400	U
534-52-1-----	4,6-Dinitro-2-methylphenol	2400	U
86-30-6-----	N-Nitrosodiphenylamine (1)	290	J
101-55-3-----	4-Bromophenyl-phenylether	950	U
118-74-1-----	Hexachlorobenzene	950	U
87-86-5-----	Pentachlorophenol	2400	U
85-01-8-----	Phenanthrene	600	J
120-12-7-----	Anthracene	950	U
86-74-8-----	Carbazole	950	U
84-74-2-----	Di-n-butylphthalate	650	J
206-44-0-----	Fluoranthene	210	J
129-00-0-----	Pyrene	680	J
85-68-7-----	Butylbenzylphthalate	15000	E
91-94-1-----	3,3'-Dichlorobenzidine	950	U
56-55-3-----	Benzo(a)anthracene	130	J
218-01-9-----	Chrysene	150	J
117-81-7-----	bis(2-Ethylhexyl)phthalate	20000	E
117-84-0-----	Di-n-octylphthalate	950	U
205-99-2-----	Benzo(b)fluoranthene	120	J
207-08-9-----	Benzo(k)fluoranthene	950	UJ
50-32-8-----	Benzo(a)pyrene	950	UJ
193-39-5-----	Indeno(1,2,3-cd)pyrene	950	UJ
53-70-3-----	Dibenzo(a,h)anthracene	950	UJ
191-24-2-----	Benzo(g,h,i)perylene	950	UJ

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

667
3/16/00

043

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS25AA13

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364002

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: S1B1932

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 65 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2

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

Number TICs found: 30

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.53~~	~~25000~~	~~ANJBA~~
2. 579-07-7	1,2-PROPANEDIONE, 1-PHENYL-	9.25	1600	NJ
3. 55-21-0	BENZAMIDE	11.29	1800	NJ
4. 293-96-9	CYCLODECANE	12.78	2000	NJ
5. 128-37-0	BUTYLATED HYDROXYTOLUENE	13.12	1500	NJ
6. 54932-78-4	PHENOL, 4-(2,2,3,3-TETRAMETH	14.14	1700	NJ
7. 934-34-9	2(3H)-BENZOTHAZOLONE	14.95	320	NJ
8.	UNKNOWN ALKANE	15.06	650	J
9.	UNKNOWN	15.26	780	J
10.	UNKNOWN	16.74	310	J
11.	UNKNOWN ALKANE	16.82	1400	J
12.	UNKNOWN ORGANIC ACID	17.43	1400	J
13.	UNKNOWN ALKANE	17.68	460	J
14.	UNKNOWN	18.03	2600	J
15.	UNKNOWN	18.63	2300	J
16.	UNKNOWN	18.97	530	J
17. 80-05-7	PHENOL, 4,4'-(1-METHYLETHYL	19.12	430	NJ
18.	UNKNOWN ALKANE	19.24	1700	J
19.	C4-PHENANTHRENE ISOMER	19.55	1900	J
20.	UNKNOWN ALKANE	19.97	1300	J
21.	UNKNOWN ESTER	20.58	3300	J
22.	UNKNOWN ALKANE	20.68	13000	J
23.	UNKNOWN ALKANE	22.00	12000	J
24.	UNKNOWN ESTER	22.53	2200	J
25.	UNKNOWN ALKANE	22.62	12000	J
26.	UNKNOWN ALKANE	23.21	9400	J
27.	UNKNOWN ALKANE	24.36	5000	J
28.	UNKNOWN ALKANE	24.98	3600	J
29.	UNKNOWN ALKANE	25.70	2000	J
30.	UNKNOWN ALKANE	26.55	3900	J

46F
3/16/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25AA13DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364002DL

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: S1B2321

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 65 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500(uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0(uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 8.2

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

108-95-2	Phenol	3800	U
111-44-4	bis(-2-Chloroethyl) Ether	3800	U
95-57-8	2-Chlorophenol	3800	U
541-73-1	1,3-Dichlorobenzene	3800	U
106-46-7	1,4-Dichlorobenzene	610	DJ
95-50-1	1,2-Dichlorobenzene	3800	U
95-48-7	2-Methylphenol	3800	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3800	U
106-44-5	4-Methylphenol	3800	U
621-64-7	N-Nitroso-di-n-propylamine	3800	U
67-72-1	Hexachloroethane	3800	U
98-95-3	Nitrobenzene	3800	U
78-59-1	Isophorone	3800	U
88-75-5	2-Nitrophenol	3800	U
105-67-9	2,4-Dimethylphenol	3800	U
120-83-2	2,4-Dichlorophenol	3800	U
120-82-1	1,2,4-Trichlorobenzene	3800	U
91-20-3	Naphthalene	1300	DJ
106-47-8	4-Chloroaniline	3800	U
111-91-1	bis(2-Chloroethoxy) methane	3800	U
87-68-3	Hexachlorobutadiene	3800	U
59-50-7	4-Chloro-3-methylphenol	3800	U
91-57-6	2-Methylnaphthalene	880	DJ
77-47-4	Hexachlorocyclopentadiene	3800	U
88-06-2	2,4,6-Trichlorophenol	3800	U
95-95-4	2,4,5-Trichlorophenol	9500	U
91-58-7	2-Chloronaphthalene	3800	U
88-74-4	2-Nitroaniline	9500	U
131-11-3	Dimethylphthalate	3800	U
208-96-8	Acenaphthylene	3800	U
606-20-2	2,6-Dinitrotoluene	3800	U
99-09-2	3-Nitroaniline	9500	U
83-32-9	Acenaphthene	3800	U

use results
from
undiluted
analysis

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25AA13DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364002DL

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: S1B2321

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 65 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 8.2

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

51-28-5-----	2,4-Dinitrophenol	9500	U
100-02-7-----	4-Nitrophenol	9500	U
132-64-9-----	Dibenzofuran	3800	U
121-14-2-----	2,4-Dinitrotoluene	3800	U
84-66-2-----	Diethylphthalate	3800	U
7005-72-3-----	4-Chlorophenyl-phenylether	3800	U
86-73-7-----	Fluorene	3800	U
100-01-6-----	4-Nitroaniline	9500	U
534-52-1-----	4,6-Dinitro-2-methylphenol	9500	U
86-30-6-----	N-Nitrosodiphenylamine (1)	3800	U
101-55-3-----	4-Bromophenyl-phenylether	3800	U
118-74-1-----	Hexachlorobenzene	3800	U
87-86-5-----	Pentachlorophenol	9500	U
85-01-8-----	Phenanthrene	490	DJ
120-12-7-----	Anthracene	3800	U
86-74-8-----	Carbazole	3800	U
84-74-2-----	Di-n-butylphthalate	720	DJ
206-44-0-----	Fluoranthene	3800	U
129-00-0-----	Pyrene	3800	U
85-68-7-----	Butylbenzylphthalate	11000	D
91-94-1-----	3,3'-Dichlorobenzidine	3800	U
56-55-3-----	Benzo(a)anthracene	3800	U
218-01-9-----	Chrysene	3800	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	18000	D
117-84-0-----	Di-n-octylphthalate	3800	U
205-99-2-----	Benzo(b)fluoranthene	3800	U
207-08-9-----	Benzo(k)fluoranthene	3800	U
50-32-8-----	Benzo(a)pyrene	3800	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	3800	U
53-70-3-----	Dibenzo(a,h)anthracene	3800	U
191-24-2-----	Benzo(g,h,i)perylene	3800	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

66F
3/16/00

046

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS25AA13DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364002DL

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: S1B2321

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 65 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 8.2

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	2.34	53000	ANJD
2.	UNKNOWN ALKANE	12.70	6600	JD
3.	UNKNOWN ALKANE	13.62	6400	JD
4.	UNKNOWN ALKANE	14.42	11000	JD
5.	UNKNOWN ORGANIC ACID	15.04	31000	JD
6.	UNKNOWN ALKANE	15.27	5000	JD
7.	UNKNOWN	15.39	37000	JD
8. 10544-50-0	SULFUR, MOL. (S8)	15.68	34000	NJD
9.	UNKNOWN ALKANE	15.82	7000	JD
10.	UNKNOWN	15.96	64000	JD
11.	UNKNOWN ORGANIC ACID	16.55	36000	JD
12.	C4-PHENANTHRENE ISOMER	16.83	98000	JD
13.	UNKNOWN ALKANE	17.52	10000	JD
14.	UNKNOWN ESTER	18.10	6300	JD
15.	UNKNOWN ALKANE	18.22	13000	JD
16. 5155-70-4	1-PHENANTHRENECARBOXYLIC ACI	18.45	20000	NJD
17.	UNKNOWN ALKANE	18.88	13000	JD
18.	UNKNOWN ALKANE	19.53	14000	JD
19.	UNKNOWN ESTER	19.72	9500	JD
20.	UNKNOWN ESTER	19.90	9700	JD
21.	UNKNOWN ALKANE	20.14	30000	JD
22.	UNKNOWN ALKANE	20.73	18000	JD
23.	UNKNOWN ALKANE	21.29	17000	JD
24.	UNKNOWN ALKANE	21.84	9500	JD
25.	UNKNOWN ALKANE	22.17	3500	JD
26.	UNKNOWN ALKANE	22.37	9200	JD
27.	UNKNOWN ALKANE	22.89	3400	JD
28.	UNKNOWN	23.19	1500	JD
29.	UNKNOWN ALKANE	23.38	3200	JD
30.	UNKNOWN ALKANE	23.87	1300	JD

FORM I SV-TIC

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364003

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S1B1931

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 60 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500(uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

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

CAS NO.	COMPOUND	Q
108-95-2	Phenol	820 U
111-44-4	bis(-2-Chloroethyl) Ether	820 U
95-57-8	2-Chlorophenol	820 U
541-73-1	1,3-Dichlorobenzene	820 U
106-46-7	1,4-Dichlorobenzene	470 J
95-50-1	1,2-Dichlorobenzene	820 U
95-48-7	2-Methylphenol	820 U
108-60-1	2,2'-oxybis(1-Chloropropane)	820 U
106-44-5	4-Methylphenol	170 J
621-64-7	N-Nitroso-di-n-propylamine	820 U
67-72-1	Hexachloroethane	820 U
98-95-3	Nitrobenzene	820 U
78-59-1	Isophorone	820 U
88-75-5	2-Nitrophenol	820 U
105-67-9	2,4-Dimethylphenol	820 U
120-83-2	2,4-Dichlorophenol	820 U
120-82-1	1,2,4-Trichlorobenzene	820 U
91-20-3	Naphthalene	3100
106-47-8	4-Chloroaniline	150 J
111-91-1	bis(2-Chloroethoxy) methane	820 U
87-68-3	Hexachlorobutadiene	820 U
59-50-7	4-Chloro-3-methylphenol	820 U
91-57-6	2-Methylnaphthalene	910
77-47-4	Hexachlorocyclopentadiene	820 U
88-06-2	2,4,6-Trichlorophenol	820 U
95-95-4	2,4,5-Trichlorophenol	2100 U
91-58-7	2-Chloronaphthalene	160 J
88-74-4	2-Nitroaniline	2100 U
131-11-3	Dimethylphthalate	820 U
208-96-8	Acenaphthylene	820 U
606-20-2	2,6-Dinitrotoluene	820 U
99-09-2	3-Nitroaniline	2100 U
83-32-9	Acenaphthene	820 U

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364003

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S1B1931

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 60 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	2100	U
100-02-7-----	4-Nitrophenol	2100	U
132-64-9-----	Dibenzofuran	820	U
121-14-2-----	2,4-Dinitrotoluene	820	U
84-66-2-----	Diethylphthalate	120	J
7005-72-3-----	4-Chlorophenyl-phenylether	820	U
86-73-7-----	Fluorene	130	J
100-01-6-----	4-Nitroaniline	2100	U
534-52-1-----	4,6-Dinitro-2-methylphenol	2100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	820	U
101-55-3-----	4-Bromophenyl-phenylether	820	U
118-74-1-----	Hexachlorobenzene	820	U
87-86-5-----	Pentachlorophenol	2100	U
85-01-8-----	Phenanthrene	390	J
120-12-7-----	Anthracene	820	U
86-74-8-----	Carbazole	820	U
84-74-2-----	Di-n-butylphthalate	390	J
206-44-0-----	Fluoranthene	210	J
129-00-0-----	Pyrene	470	J
85-68-7-----	Butylbenzylphthalate	770	J
91-94-1-----	3,3'-Dichlorobenzidine	820	U
56-55-3-----	Benzo(a)anthracene	110	J
218-01-9-----	Chrysene	110	J
117-81-7-----	bis(2-Ethylhexyl)phthalate	140000	E
117-84-0-----	Di-n-octylphthalate	83	J
205-99-2-----	Benzo(b)fluoranthene	94	J
207-08-9-----	Benzo(k)fluoranthene	820	UJ
50-32-8-----	Benzo(a)pyrene	820	UJ
193-39-5-----	Indeno(1,2,3-cd)pyrene	820	UJ
53-70-3-----	Dibenzo(a,h)anthracene	820	UJ
191-24-2-----	Benzo(g,h,i)perylene	820	UJ

(1) - Cannot be separated from Diphenylamine

*use result from diluted analysis
SS25B DL*

*ECF
3/16/00*

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS25B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364003

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S1B1931

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 60 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	4.52	27000	ANJER
2.	BENZENE TRIMETHYL ISOMER	6.85	5300	J
3.	UNKNOWN ALKANE	7.21	2900	J
4.	UNKNOWN ALKANE	7.39	5200	J
5.	UNKNOWN ALKANE	7.66	4200	J
6.	C4-BENZENE ISOMER	8.00	3200	J
7. 1120-21-4	UNDECANE	8.31	4500	NJ
8.	C4-BENZENE ISOMER	9.03	3000	J
9. 140-66-9	PHENOL, 4-(1,1,3,3-TETRAMETH	14.15	4400	NJ
10. 0-00-0	2,4-DIPHENYL-4-METHYL-2(Z)-P	15.26	1100	NJ
11.	UNKNOWN ORGANIC ACID	17.38	1900	J
12.	UNKNOWN ALKANE	17.67	1400	J
13.	UNKNOWN	18.00	1000	J
14. 10544-50-0	SULFUR, MOL. (S8)	18.24	1200	NJ
15.	UNKNOWN	18.63	2300	J
16.	UNKNOWN ALKANE	19.24	3400	J
17.	C4-PHENANTHRENE ISOMER	19.55	3800	J
18.	UNKNOWN CYCLO ALKANE	19.89	1100	J
19.	UNKNOWN ALKANE	19.97	3000	J
20.	UNKNOWN ALKANE	20.04	1800	J
21.	UNKNOWN ALKANE	20.67	5000	J
22.	UNKNOWN	21.86	1400	J
23.	UNKNOWN ALKANE	22.00	2900	J
24.	UNKNOWN	22.19	1800	J
25.	UNKNOWN ALKANE	22.62	2100	J
26.	UNKNOWN ALKANE	23.21	3600	J
27.	UNKNOWN ALKANE	24.35	2800	J
28.	UNKNOWN	25.34	1100	J
29.	UNKNOWN ALKANE	25.70	1400	J
30.	UNKNOWN	27.55	1300	J

FORM I SV-TIC

050

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25BDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364003DL

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S1B3400

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 60 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/12/00

Injection Volume: 2.0 (uL)

Dilution Factor: 50.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	41000	U
111-44-4	bis(-2-Chloroethyl) Ether	41000	U
95-57-8	2-Chlorophenol	41000	U
541-73-1	1,3-Dichlorobenzene	41000	U
106-46-7	1,4-Dichlorobenzene	41000	U
95-50-1	1,2-Dichlorobenzene	41000	U
95-48-7	2-Methylphenol	41000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	41000	U
106-44-5	4-Methylphenol	41000	U
621-64-7	N-Nitroso-di-n-propylamine	41000	U
67-72-1	Hexachloroethane	41000	U
98-95-3	Nitrobenzene	41000	U
78-59-1	Isophorone	41000	U
88-75-5	2-Nitrophenol	41000	U
105-67-9	2,4-Dimethylphenol	41000	U
120-83-2	2,4-Dichlorophenol	41000	U
120-82-1	1,2,4-Trichlorobenzene	41000	U
91-20-3	Naphthalene	41000	U
106-47-8	4-Chloroaniline	41000	U
111-91-1	bis(2-Chloroethoxy)methane	41000	U
87-68-3	Hexachlorobutadiene	41000	U
59-50-7	4-Chloro-3-methylphenol	41000	U
91-57-6	2-Methylnaphthalene	41000	U
77-47-4	Hexachlorocyclopentadiene	41000	U
88-06-2	2,4,6-Trichlorophenol	41000	U
95-95-4	2,4,5-Trichlorophenol	100000	U
91-58-7	2-Chloronaphthalene	41000	U
88-74-4	2-Nitroaniline	100000	U
131-11-3	Dimethylphthalate	41000	U
208-96-8	Acenaphthylene	41000	U
606-20-2	2,6-Dinitrotoluene	41000	U
99-09-2	3-Nitroaniline	100000	U
83-32-9	Acenaphthene	41000	U

use
results
from
undiluted
analysis

3/14/00

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25BDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364003DL

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S1B3400

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 60 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/12/00

Injection Volume: 2.0 (uL)

Dilution Factor: 50.0

GPC Cleanup: (Y/N) Y pH: 7.5

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

51-28-5-----	2,4-Dinitrophenol	100000	U
100-02-7-----	4-Nitrophenol	100000	U
132-64-9-----	Dibenzofuran	41000	U
121-14-2-----	2,4-Dinitrotoluene	41000	U
84-66-2-----	Diethylphthalate	41000	U
7005-72-3-----	4-Chlorophenyl-phenylether	41000	U
86-73-7-----	Fluorene	41000	U
100-01-6-----	4-Nitroaniline	100000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	100000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	41000	U
101-55-3-----	4-Bromophenyl-phenylether	41000	U
118-74-1-----	Hexachlorobenzene	41000	U
87-86-5-----	Pentachlorophenol	100000	U
85-01-8-----	Phenanthrene	41000	U
120-12-7-----	Anthracene	41000	U
86-74-8-----	Carbazole	41000	U
84-74-2-----	Di-n-butylphthalate	41000	U
206-44-0-----	Fluoranthene	41000	U
129-00-0-----	Pyrene	41000	U
85-68-7-----	Butylbenzylphthalate	41000	U
91-94-1-----	3,3'-Dichlorobenzidine	41000	U
56-55-3-----	Benzo(a)anthracene	41000	U
218-01-9-----	Chrysene	41000	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	240000	U
117-84-0-----	Di-n-octylphthalate	41000	U
205-99-2-----	Benzo(b)fluoranthene	41000	U
207-08-9-----	Benzo(k)fluoranthene	41000	U
50-32-8-----	Benzo(a)pyrene	41000	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	41000	U
53-70-3-----	Dibenzo(a,h)anthracene	41000	U
191-24-2-----	Benzo(g,h,i)perylene	41000	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

use only this result

46F 3/14/00

052

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS25BDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364003DL

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S1B3400

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 60

decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/12/00

Injection Volume: 2.0 (uL)

Dilution Factor: 50.0

GPC Cleanup: (Y/N) Y

pH: 7.5

Number TICs found: 18

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	1.41	63000	NJD
2. 10544-50-0	SULFUR, MOL. (S8)	14.28	26000	NJD
3. 0-00-0	3-(N,N-DIETHYLAMINO)CARBAZOL	14.75	12000	NJD
4. 7343-06-8	PHENANTHRENE, 3,4,5,6-TETRAM	15.58	15000	NJD
5. 630-06-8	HEXATRIACONTANE	16.39	18000	NJD
6. 638-68-6	TRIACONTANE	17.07	22000	NJD
7. 544-85-4	DOTRIACONTANE	17.73	21000	NJD
8. 7098-22-8	TETRATETRACONTANE	18.35	21000	NJD
9. 629-99-2	PENTACOSANE	18.96	20000	NJD
10. 54833-48-6	HEPTADECANE, 2,6,10,15-TETRA	19.55	18000	NJD
11. 31081-17-1	NONANE, 2-METHYL-5-PROPYL-	20.13	21000	NJD
12. 630-07-9	PENTATRIACONTANE	20.68	12000	NJD
13. 31382-90-8	PYRIDINIUM, 3,5-DIMETHYL-1-U	20.88	17000	NJD
14. 56193-66-9	PREGNAN-20-ONE, 5,6-DIFLUORO	21.08	40000	NJD
15. 136-95-8	2-BENZOTHAZOLAMINE	21.29	13000	NJD
16. 630-06-8	HEXATRIACONTANE	21.71	8400	NJD
17. 18178-54-6	RISHITIN	22.08	28000	NJD
18. 50764-55-1	BICYCLO[3.1.1]HEPT-2-EN-6-OL	22.38	10000	NJD
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25C2535

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364004

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S1B2313

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 12 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500(uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

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

108-95-2-----	Phenol	380	U
111-44-4-----	bis(-2-Chloroethyl) Ether	380	U
95-57-8-----	2-Chlorophenol	380	U
541-73-1-----	1,3-Dichlorobenzene	380	U
106-46-7-----	1,4-Dichlorobenzene	380	U
95-50-1-----	1,2-Dichlorobenzene	380	U
95-48-7-----	2-Methylphenol	380	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5-----	4-Methylphenol	380	U
621-64-7-----	N-Nitroso-di-n-propylamine	380	U
67-72-1-----	Hexachloroethane	380	U
98-95-3-----	Nitrobenzene	380	U
78-59-1-----	Isophorone	380	U
88-75-5-----	2-Nitrophenol	380	U
105-67-9-----	2,4-Dimethylphenol	380	U
120-83-2-----	2,4-Dichlorophenol	380	U
120-82-1-----	1,2,4-Trichlorobenzene	380	U
91-20-3-----	Naphthalene	380	U
106-47-8-----	4-Chloroaniline	380	U
111-91-1-----	bis(2-Chloroethoxy)methane	380	U
87-68-3-----	Hexachlorobutadiene	380	U
59-50-7-----	4-Chloro-3-methylphenol	380	U
91-57-6-----	2-Methylnaphthalene	380	U
77-47-4-----	Hexachlorocyclopentadiene	380	U
88-06-2-----	2,4,6-Trichlorophenol	380	U
95-95-4-----	2,4,5-Trichlorophenol	940	U
91-58-7-----	2-Chloronaphthalene	380	U
88-74-4-----	2-Nitroaniline	940	U
131-11-3-----	Dimethylphthalate	380	U
208-96-8-----	Acenaphthylene	380	U
606-20-2-----	2,6-Dinitrotoluene	380	U
99-09-2-----	3-Nitroaniline	940	U
83-32-9-----	Acenaphthene	380	U

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25C2535

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364004

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S1B2313

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 12 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

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

51-28-5-----	2,4-Dinitrophenol	940	U
100-02-7-----	4-Nitrophenol	940	U
132-64-9-----	Dibenzofuran	380	U
121-14-2-----	2,4-Dinitrotoluene	380	U
84-66-2-----	Diethylphthalate	380	U
7005-72-3-----	4-Chlorophenyl-phenylether	380	U
86-73-7-----	Fluorene	380	U
100-01-6-----	4-Nitroaniline	940	U
534-52-1-----	4,6-Dinitro-2-methylphenol	940	U
86-30-6-----	N-Nitrosodiphenylamine (1)	380	U
101-55-3-----	4-Bromophenyl-phenylether	380	U
118-74-1-----	Hexachlorobenzene	380	U
87-86-5-----	Pentachlorophenol	940	U
85-01-8-----	Phenanthrene	380	U
120-12-7-----	Anthracene	380	U
86-74-8-----	Carbazole	380	U
84-74-2-----	Di-n-butylphthalate	380	U
206-44-0-----	Fluoranthene	380	U
129-00-0-----	Pyrene	380	U
85-68-7-----	Butylbenzylphthalate	380	U
91-94-1-----	3,3'-Dichlorobenzidine	380	U
56-55-3-----	Benzo(a) anthracene	380	U
218-01-9-----	Chrysene	380	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	44	J
117-84-0-----	Di-n-octylphthalate	380	U
205-99-2-----	Benzo(b) fluoranthene	380	U
207-08-9-----	Benzo(k) fluoranthene	380	U
50-32-8-----	Benzo(a) pyrene	380	U
193-39-5-----	Indeno(1,2,3-cd) pyrene	380	U
53-70-3-----	Dibenzo(a,h) anthracene	380	U
191-24-2-----	Benzo(g,h,i) perylene	380	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

3/16/00

035

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS25C2535

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364004

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S1B2313

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 12 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.6

CONCENTRATION UNITS:

Number TICs found: 30

(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1. ~~123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	2.50	24000	ANJ R
2.	UNKNOWN	3.44	370	J
3.	UNKNOWN	10.95	120	J
4.	UNKNOWN	14.60	100	J
5.	UNKNOWN ORGANIC ACID	14.90	400	J
6. 7704-34-9	SULFUR	15.63	1200	NJ
7.	UNKNOWN	15.92	330	J
8.	C4-PHENANTHRENE ISOMER	16.78	200	J
9.	UNKNOWN ALKANE	17.46	83	J
10.	UNKNOWN	18.06	83	J
11.	UNKNOWN ALKANE	18.16	130	J
12.	UNKNOWN ALKANE	18.81	180	J
13.	UNKNOWN ALKANE	19.45	220	J
14.	UNKNOWN ALKANE	20.07	280	J
15. 301-02-0	9-OCTADECENAMIDE, (Z) -	20.50	240	NJ
16.	UNKNOWN ALKANE	20.66	190	J
17.	UNKNOWN ALKANE	21.23	270	J
18.	UNKNOWN ALKANE	21.80	190	J
19.	UNKNOWN	21.91	100	J
20.	UNKNOWN ALKANE	22.34	220	J
21.	UNKNOWN	22.41	620	J
22.	UNKNOWN	22.58	390	J
23.	UNKNOWN ALKANE	22.84	220	J
24.	UNKNOWN	22.95	260	J
25.	UNKNOWN	23.16	110	J
26.	UNKNOWN	23.24	120	J
27.	UNKNOWN	23.39	440	J
28.	UNKNOWN	23.58	390	J
29.	UNKNOWN ALKANE	23.85	370	J
30.	UNKNOWN	24.27	880	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25DSURF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364005

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: S1B1929

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 15 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2-----	Phenol	380	U
111-44-4-----	bis(-2-Chloroethyl) Ether	380	U
95-57-8-----	2-Chlorophenol	380	U
541-73-1-----	1,3-Dichlorobenzene	380	U
106-46-7-----	1,4-Dichlorobenzene	77	J
95-50-1-----	1,2-Dichlorobenzene	380	U
95-48-7-----	2-Methylphenol	380	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5-----	4-Methylphenol	380	U
621-64-7-----	N-Nitroso-di-n-propylamine	380	U
67-72-1-----	Hexachloroethane	380	U
98-95-3-----	Nitrobenzene	380	U
78-59-1-----	Isophorone	380	U
88-75-5-----	2-Nitrophenol	380	U
105-67-9-----	2,4-Dimethylphenol	380	U
120-83-2-----	2,4-Dichlorophenol	380	U
120-82-1-----	1,2,4-Trichlorobenzene	380	U
91-20-3-----	Naphthalene	380	U
106-47-8-----	4-Chloroaniline	380	U
111-91-1-----	bis(2-Chloroethoxy) methane	380	U
87-68-3-----	Hexachlorobutadiene	380	U
59-50-7-----	4-Chloro-3-methylphenol	380	U
91-57-6-----	2-Methylnaphthalene	380	U
77-47-4-----	Hexachlorocyclopentadiene	380	U
88-06-2-----	2,4,6-Trichlorophenol	380	U
95-95-4-----	2,4,5-Trichlorophenol	960	U
91-58-7-----	2-Chloronaphthalene	380	U
88-74-4-----	2-Nitroaniline	960	U
131-11-3-----	Dimethylphthalate	380	U
208-96-8-----	Acenaphthylene	380	U
606-20-2-----	2,6-Dinitrotoluene	380	U
99-09-2-----	3-Nitroaniline	960	U
83-32-9-----	Acenaphthene	380	U

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25DSURF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364005

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: S1B1929

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 15 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

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

CAS NO.	COMPOUND	Q
51-28-5-----	2,4-Dinitrophenol	960 U
100-02-7-----	4-Nitrophenol	960 U
132-64-9-----	Dibenzofuran	380 U
121-14-2-----	2,4-Dinitrotoluene	380 U
84-66-2-----	Diethylphthalate	380 U
7005-72-3-----	4-Chlorophenyl-phenylether	380 U
86-73-7-----	Fluorene	380 U
100-01-6-----	4-Nitroaniline	960 U
534-52-1-----	4,6-Dinitro-2-methylphenol	960 U
86-30-6-----	N-Nitrosodiphenylamine (1)	380 U
101-55-3-----	4-Bromophenyl-phenylether	380 U
118-74-1-----	Hexachlorobenzene	380 U
87-86-5-----	Pentachlorophenol	960 U
85-01-8-----	Phenanthrene	380 U
120-12-7-----	Anthracene	380 U
86-74-8-----	Carbazole	380 U
84-74-2-----	Di-n-butylphthalate	380 U
206-44-0-----	Fluoranthene	380 U
129-00-0-----	Pyrene	380 U
85-68-7-----	Butylbenzylphthalate	380 U
91-94-1-----	3,3'-Dichlorobenzidine	380 U
56-55-3-----	Benzo(a)anthracene	380 U
218-01-9-----	Chrysene	380 U
117-81-7-----	bis(2-Ethylhexyl)phthalate	47 J
117-84-0-----	Di-n-octylphthalate	380 U
205-99-2-----	Benzo(b)fluoranthene	380 U
207-08-9-----	Benzo(k)fluoranthene	380 U
50-32-8-----	Benzo(a)pyrene	380 U
193-39-5-----	Indeno(1,2,3-cd)pyrene	380 U
53-70-3-----	Dibenzo(a,h)anthracene	380 U
191-24-2-----	Benzo(g,h,i)perylene	380 U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS25DSURF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364005

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: S1B1929

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 15 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

Number TICs found: 25

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	4.53	24000	ANJBR
2.	UNKNOWN	5.61	420	JB-R
3.	UNKNOWN ORGANIC ACID	17.30	140	J
4.	UNKNOWN ALKANE	18.43	96	J
5.	UNKNOWN ESTER	18.48	470	J
6.	UNKNOWN ORGANIC ACID	18.79	640	J
7.	UNKNOWN	19.17	280	J
8.	UNKNOWN	19.40	110	J
9.	UNKNOWN	19.85	130	J
10.	UNKNOWN	20.13	82	J
11.	UNKNOWN ALKANE	20.62	88	J
12.	UNKNOWN KETONE	20.70	150	J
13.	UNKNOWN KETONE	21.38	170	J
14.	UNKNOWN KETONE	22.03	110	J
15.	UNKNOWN	22.58	470	J
16.	UNKNOWN	22.86	340	J
17.	UNKNOWN	23.09	910	J
18.	UNKNOWN	23.48	98	J
19.	UNKNOWN ALKANE	23.76	1200	J
20.	UNKNOWN	24.09	230	J
21.	UNKNOWN ALKANE	24.95	690	J
22.	UNKNOWN	26.91	430	J
23.	UNKNOWN	27.04	1600	J
24.	UNKNOWN	29.14	940	J
25.	UNKNOWN	29.34	640	J
26.				
27.				
28.				
29.				
30.				

468
3/16/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS32B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364006

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S1B1933

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 54 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4

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

108-95-2-----	Phenol	710	U
111-44-4-----	bis(-2-Chloroethyl) Ether	710	U
95-57-8-----	2-Chlorophenol	710	U
541-73-1-----	1,3-Dichlorobenzene	710	U
106-46-7-----	1,4-Dichlorobenzene	200	J
95-50-1-----	1,2-Dichlorobenzene	710	U
95-48-7-----	2-Methylphenol	710	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	710	U
106-44-5-----	4-Methylphenol	710	U
621-64-7-----	N-Nitroso-di-n-propylamine	710	U
67-72-1-----	Hexachloroethane	710	U
98-95-3-----	Nitrobenzene	710	U
78-59-1-----	Isophorone	710	U
88-75-5-----	2-Nitrophenol	710	U
105-67-9-----	2,4-Dimethyphenol	710	U
120-83-2-----	2,4-Dichlorophenol	710	U
120-82-1-----	1,2,4-Trichlorobenzene	710	U
91-20-3-----	Naphthalene	200	J
106-47-8-----	4-Chloroaniline	710	U
111-91-1-----	bis(2-Chloroethoxy)methane	710	U
87-68-3-----	Hexachlorobutadiene	710	U
59-50-7-----	4-Chloro-3-methylphenol	710	U
91-57-6-----	2-Methylnaphthalene	710	U
77-47-4-----	Hexachlorocyclopentadiene	710	U
88-06-2-----	2,4,6-Trichlorophenol	710	U
95-95-4-----	2,4,5-Trichlorophenol	1800	U
91-58-7-----	2-Chloronaphthalene	710	U
88-74-4-----	2-Nitroaniline	1800	U
131-11-3-----	Dimethylphthalate	710	U
208-96-8-----	Acenaphthylene	710	U
606-20-2-----	2,6-Dinitrotoluene	710	U
99-09-2-----	3-Nitroaniline	1800	U
83-32-9-----	Acenaphthene	710	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS32B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364006

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S1B1933

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 54 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4

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

51-28-5-----	2,4-Dinitrophenol	1800	U
100-02-7-----	4-Nitrophenol	1800	U
132-64-9-----	Dibenzofuran	710	U
121-14-2-----	2,4-Dinitrotoluene	710	U
84-66-2-----	Diethylphthalate	710	U
7005-72-3-----	4-Chlorophenyl-phenylether	710	U
86-73-7-----	Fluorene	710	U
100-01-6-----	4-Nitroaniline	1800	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1800	U
86-30-6-----	N-Nitrosodiphenylamine (1)	710	U
101-55-3-----	4-Bromophenyl-phenylether	710	U
118-74-1-----	Hexachlorobenzene	710	U
87-86-5-----	Pentachlorophenol	1800	U
85-01-8-----	Phenanthrene	160	J
120-12-7-----	Anthracene	710	U
86-74-8-----	Carbazole	710	U
84-74-2-----	Di-n-butylphthalate	110	J
206-44-0-----	Fluoranthene	420	J
129-00-0-----	Pyrene	660	J
85-68-7-----	Butylbenzylphthalate	100	J
91-94-1-----	3,3'-Dichlorobenzidine	710	U
56-55-3-----	Benzo (a) anthracene	250	J
218-01-9-----	Chrysene	260	J
117-81-7-----	bis(2-Ethylhexyl)phthalate	2100	
117-84-0-----	Di-n-octylphthalate	710	U
205-99-2-----	Benzo (b) fluoranthene	410	J
207-08-9-----	Benzo (k) fluoranthene	150	J
50-32-8-----	Benzo (a) pyrene	240	J
193-39-5-----	Indeno (1,2,3-cd) pyrene	130	J
53-70-3-----	Dibenzo (a,h) anthracene	710	U
191-24-2-----	Benzo (g,h,i) perylene	110	J

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

Got 3/16/00

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS32B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364006

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S1B1933

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 54 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/16/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	4.51	35000	ANJB
2.	C2-BENZENE ISOMER	4.76	1100	J
3. 100-42-5	STYRENE	5.26	2600	NJ
4.	UNKNOWN	12.58	720	J
5.	UNKNOWN	14.24	800	J
6. 1921-70-6	PENTADECANE, 2,6,10,14-TETRA	15.05	520	NJ
7. 20071-09-4	BENZENE, 1,1'-(1,2-CYCLOBUTA	15.60	480	NJ
8.	UNKNOWN ORGANIC ACID	16.21	1400	J
9.	UNKNOWN ALKANE	16.81	480	J
10.	UNKNOWN	17.17	820	J
11.	UNKNOWN ORGANIC ACID	17.38	4500	J
12.	UNKNOWN ALKANE	18.45	8700	J
13.	UNKNOWN ORGANIC ACID	18.83	1600	J
14.	UNKNOWN ORGANIC ACID	18.99	1800	J
15.	UNKNOWN	19.10	780	J
16.	UNKNOWN ALKANE	19.20	570	J
17.	UNKNOWN ALKANE	19.94	3300	J
18.	UNKNOWN ALKANE	20.65	2400	J
19.	UNKNOWN	21.05	1900	J
20.	UNKNOWN	21.78	2700	J
21.	UNKNOWN ALKANE	21.97	7900	J
22.	UNKNOWN ALKANE	22.60	8100	J
23.	UNKNOWN ALKANE	23.19	7300	J
24.	UNKNOWN ALKANE	23.77	6000	J
25.	UNKNOWN ALKANE	24.34	3900	J
26.	UNKNOWN ALKANE	24.97	3000	J
27.	UNKNOWN ALKANE	25.69	1500	J
28. 83-47-6	.GAMMA.-SITOSTEROL	26.92	280	NJ
29.	UNKNOWN	27.06	450	J
30.	UNKNOWN	27.58	370	J

FORM I SV-TIC

002

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS32BRE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364006RE

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S1B2314

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 54

decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	710	U
111-44-4	bis(-2-Chloroethyl) Ether	710	U
95-57-8	2-Chlorophenol	710	U
541-73-1	1,3-Dichlorobenzene	710	U
106-46-7	1,4-Dichlorobenzene	210	J
95-50-1	1,2-Dichlorobenzene	710	U
95-48-7	2-Methylphenol	710	U
108-60-1	2,2'-oxybis(1-Chloropropane)	710	U
106-44-5	4-Methylphenol	710	U
621-64-7	N-Nitroso-di-n-propylamine	710	U
67-72-1	Hexachloroethane	710	U
98-95-3	Nitrobenzene	710	U
78-59-1	Isophorone	710	U
88-75-5	2-Nitrophenol	710	U
105-67-9	2,4-Dimethyphenol	710	U
120-83-2	2,4-Dichlorophenol	710	U
120-82-1	1,2,4-Trichlorobenzene	710	U
91-20-3	Naphthalene	180	J
106-47-8	4-Chloroaniline	710	U
111-91-1	bis(2-Chloroethoxy) methane	710	U
87-68-3	Hexachlorobutadiene	710	U
59-50-7	4-Chloro-3-methylphenol	710	U
91-57-6	2-Methylnaphthalene	710	U
77-47-4	Hexachlorocyclopentadiene	710	U
88-06-2	2,4,6-Trichlorophenol	710	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	710	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	710	U
208-96-8	Acenaphthylene	710	U
606-20-2	2,6-Dinitrotoluene	710	U
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	710	U

FORM I SV-1

Use Results from
Original analysis

606/11/00 032

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS32BRE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364006RE

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S1B2314

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 54 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4

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

CAS NO.	COMPOUND	Q
51-28-5-----	2,4-Dinitrophenol	1800 U
100-02-7-----	4-Nitrophenol	1800 U
132-64-9-----	Dibenzofuran	710 U
121-14-2-----	2,4-Dinitrotoluene	710 U
84-66-2-----	Diethylphthalate	710 U
7005-72-3-----	4-Chlorophenyl-phenylether	710 U
86-73-7-----	Fluorene	710 U
100-01-6-----	4-Nitroaniline	1800 U
534-52-1-----	4,6-Dinitro-2-methylphenol	1800 U
86-30-6-----	N-Nitrosodiphenylamine (1)	710 U
101-55-3-----	4-Bromophenyl-phenylether	710 U
118-74-1-----	Hexachlorobenzene	710 U
87-86-5-----	Pentachlorophenol	1800 U
85-01-8-----	Phenanthrene	710 U
120-12-7-----	Anthracene	710 U
86-74-8-----	Carbazole	710 U
84-74-2-----	Di-n-butylphthalate	94 J
206-44-0-----	Fluoranthene	320 J
129-00-0-----	Pyrene	270 J
85-68-7-----	Butylbenzylphthalate	710 U
91-94-1-----	3,3'-Dichlorobenzidine	710 U
56-55-3-----	Benzo(a)anthracene	710 U
218-01-9-----	Chrysene	710 U
117-81-7-----	bis(2-Ethylhexyl)phthalate	920
117-84-0-----	Di-n-octylphthalate	710 U
205-99-2-----	Benzo(b)fluoranthene	710 U
207-08-9-----	Benzo(k)fluoranthene	710 U
50-32-8-----	Benzo(a)pyrene	180 J
193-39-5-----	Indeno(1,2,3-cd)pyrene	77 J
53-70-3-----	Dibenzo(a,h)anthracene	710 U
191-24-2-----	Benzo(g,h,i)perylene	77 J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS32BRE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364006RE

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S1B2314

Level: (low/med) LOW

Date Received: 12/01/99

% Moisture: 54 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.38	29000	J
2. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	2.44	10000	ANJ
3.	UNKNOWN	2.57	730	J
4. 100-42-5	STYRENE	3.03	1900	NJ
5.	UNKNOWN	3.45	930	J
6. 540-97-6	CYCLOHEXASILOXANE, DODECAMET	8.60	400	NJ
7. 92-52-4	BIPHENYL	9.44	440	NJ
8.	UNKNOWN	10.39	950	J
9. 128-37-0	BUTYLATED HYDROXYTOLUENE	10.75	500	NJ
10.	UNKNOWN	12.54	160	J
11.	UNKNOWN	12.71	470	J
12.	UNKNOWN	12.81	220	J
13. 20071-09-4	BENZENE, 1,1'-(1,2-CYCLOBUTA	13.07	270	NJ
14.	UNKNOWN ORGANIC ACID	13.91	2400	J
15.	UNKNOWN ALKANE	14.44	930	J
16.	UNKNOWN ORGANIC ACID	18.13	6800	J
17. 1740-19-8	1-PHENANTHRENECARBOXYLIC ACI	18.66	18000	NJ
18.	UNKNOWN ALKANE	18.90	11000	J
19.	UNKNOWN ALKANE	19.53	8000	J
20.	UNKNOWN ALKANE	20.15	7400	J
21.	UNKNOWN ALKANE	20.73	6300	J
22.	UNKNOWN ALKANE	21.30	4100	J
23.	UNKNOWN ALKANE	21.84	3100	J
24.	UNKNOWN ALKANE	22.38	4000	J
25.	UNKNOWN ALKANE	22.89	650	J
26.	UNKNOWN ALKANE	23.40	3900	J
27.	UNKNOWN	23.69	3600	J
28.	UNKNOWN	23.81	2500	J
29.	UNKNOWN	24.01	3300	J
30.	UNKNOWN ALKANE	24.36	9500	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1JLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: S1202-LW4

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B1887

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/02/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/15/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

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

CAS NO.	COMPOUND	Q
108-95-2	Phenol	49
111-44-4	bis(-2-Chloroethyl) Ether	10 U
95-57-8	2-Chlorophenol	58
541-73-1	1,3-Dichlorobenzene	10 U
106-46-7	1,4-Dichlorobenzene	36
95-50-1	1,2-Dichlorobenzene	10 U
95-48-7	2-Methylphenol	10 U
108-60-1	2,2'-oxybis(1-Chloropropane)	10 U
106-44-5	4-Methylphenol	10 U
621-64-7	N-Nitroso-di-n-propylamine	31
67-72-1	Hexachloroethane	10 U
98-95-3	Nitrobenzene	10 U
78-59-1	Isophorone	10 U
88-75-5	2-Nitrophenol	10 U
105-67-9	2,4-Dimethyphenol	10 U
120-83-2	2,4-Dichlorophenol	10 U
120-82-1	1,2,4-Trichlorobenzene	36
91-20-3	Naphthalene	10 U
106-47-8	4-Chloroaniline	10 U
111-91-1	bis(2-Chloroethoxy)methane	10 U
87-68-3	Hexachlorobutadiene	10 U
59-50-7	4-Chloro-3-methylphenol	59
91-57-6	2-Methylnaphthalene	10 U
77-47-4	Hexachlorocyclopentadiene	10 U
88-06-2	2,4,6-Trichlorophenol	10 U
95-95-4	2,4,5-Trichlorophenol	25 U
91-58-7	2-Chloronaphthalene	10 U
88-74-4	2-Nitroaniline	25 U
131-11-3	Dimethylphthalate	10 U
208-96-8	Acenaphthylene	10 U
606-20-2	2,6-Dinitrotoluene	10 U
99-09-2	3-Nitroaniline	25 U
83-32-9	Acenaphthene	44

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1JLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: S1202-LW4

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B1887

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/02/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/15/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	71	
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	52	
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	70	
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	53	
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1JLCSRE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: S1202-LW4RE

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B2023

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/02/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/20/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----Phenol	52	
111-44-4-----bis(-2-Chloroethyl) Ether	10	U
95-57-8-----2-Chlorophenol	56	
541-73-1-----1,3-Dichlorobenzene	10	U
106-46-7-----1,4-Dichlorobenzene	40	
95-50-1-----1,2-Dichlorobenzene	10	U
95-48-7-----2-Methylphenol	10	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----4-Methylphenol	10	U
621-64-7-----N-Nitroso-di-n-propylamine	35	
67-72-1-----Hexachloroethane	10	U
98-95-3-----Nitrobenzene	10	U
78-59-1-----Isophorone	10	U
88-75-5-----2-Nitrophenol	10	U
105-67-9-----2,4-Dimethylphenol	10	U
120-83-2-----2,4-Dichlorophenol	10	U
120-82-1-----1,2,4-Trichlorobenzene	37	
91-20-3-----Naphthalene	10	U
106-47-8-----4-Chloroaniline	10	U
111-91-1-----bis(2-Chloroethoxy) methane	10	U
87-68-3-----Hexachlorobutadiene	10	U
59-50-7-----4-Chloro-3-methylphenol	58	
91-57-6-----2-Methylnaphthalene	10	U
77-47-4-----Hexachlorocyclopentadiene	10	U
88-06-2-----2,4,6-Trichlorophenol	10	U
95-95-4-----2,4,5-Trichlorophenol	25	U
91-58-7-----2-Chloronaphthalene	10	U
88-74-4-----2-Nitroaniline	25	U
131-11-3-----Dimethylphthalate	10	U
208-96-8-----Acenaphthylene	10	U
606-20-2-----2,6-Dinitrotoluene	10	U
99-09-2-----3-Nitroaniline	25	U
83-32-9-----Acenaphthene	40	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1JLCSRE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: S1202-LW4RE

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B2023

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/02/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/20/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	62	
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	49	
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	60	
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	51	
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1PLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: S1206-LS2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S1B1889

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/15/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1600	
111-44-4	bis(-2-Chloroethyl) Ether	330	U
95-57-8	2-Chlorophenol	1700	
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	1100	
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	980	
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	1100	
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
111-91-1	bis(2-Chloroethoxy) methane	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-methylphenol	1800	
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	830	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	830	U
83-32-9	Acenaphthene	1200	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1PLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: S1206-LS2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S1B1889

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500(uL)

Date Analyzed: 12/15/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	830	U
100-02-7-----	4-Nitrophenol	2100	
132-64-9-----	Dibenzofuran	330	U
121-14-2-----	2,4-Dinitrotoluene	1400	
84-66-2-----	Diethylphthalate	330	U
7005-72-3-----	4-Chlorophenyl-phenylether	330	U
86-73-7-----	Fluorene	330	U
100-01-6-----	4-Nitroaniline	830	U
534-52-1-----	4,6-Dinitro-2-methylphenol	830	U
86-30-6-----	N-Nitrosodiphenylamine (1)	330	U
101-55-3-----	4-Bromophenyl-phenylether	330	U
118-74-1-----	Hexachlorobenzene	330	U
87-86-5-----	Pentachlorophenol	2000	
85-01-8-----	Phenanthrene	330	U
120-12-7-----	Anthracene	330	U
86-74-8-----	Carbazole	330	U
84-74-2-----	Di-n-butylphthalate	330	U
206-44-0-----	Fluoranthene	330	U
129-00-0-----	Pyrene	1500	
85-68-7-----	Butylbenzylphthalate	330	U
91-94-1-----	3,3'-Dichlorobenzidine	330	U
56-55-3-----	Benzo(a)anthracene	330	U
218-01-9-----	Chrysene	330	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	330	U
117-84-0-----	Di-n-octylphthalate	330	U
205-99-2-----	Benzo(b)fluoranthene	330	U
207-08-9-----	Benzo(k)fluoranthene	330	U
50-32-8-----	Benzo(a)pyrene	330	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	330	U
53-70-3-----	Dibenzo(a,h)anthracene	330	U
191-24-2-----	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1PLCSRE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: S1206-LS2RE

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S1B2257

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/04/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

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

CAS NO.	COMPOUND	Q
108-95-2	Phenol	1900
111-44-4	bis(-2-Chloroethyl) Ether	330 U
95-57-8	2-Chlorophenol	2000
541-73-1	1,3-Dichlorobenzene	330 U
106-46-7	1,4-Dichlorobenzene	1400
95-50-1	1,2-Dichlorobenzene	330 U
95-48-7	2-Methylphenol	330 U
108-60-1	2,2'-oxybis(1-Chloropropane)	330 U
106-44-5	4-Methylphenol	330 U
621-64-7	N-Nitroso-di-n-propylamine	1300
67-72-1	Hexachloroethane	330 U
98-95-3	Nitrobenzene	330 U
78-59-1	Isophorone	330 U
88-75-5	2-Nitrophenol	330 U
105-67-9	2,4-Dimethylphenol	330 U
120-83-2	2,4-Dichlorophenol	330 U
120-82-1	1,2,4-Trichlorobenzene	1400
91-20-3	Naphthalene	330 U
106-47-8	4-Chloroaniline	330 U
111-91-1	bis(2-Chloroethoxy)methane	330 U
87-68-3	Hexachlorobutadiene	330 U
59-50-7	4-Chloro-3-methylphenol	2000
91-57-6	2-Methylnaphthalene	330 U
77-47-4	Hexachlorocyclopentadiene	330 U
88-06-2	2,4,6-Trichlorophenol	330 U
95-95-4	2,4,5-Trichlorophenol	830 U
91-58-7	2-Chloronaphthalene	330 U
88-74-4	2-Nitroaniline	830 U
131-11-3	Dimethylphthalate	330 U
208-96-8	Acenaphthylene	330 U
606-20-2	2,6-Dinitrotoluene	330 U
99-09-2	3-Nitroaniline	830 U
83-32-9	Acenaphthene	1300

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1PLCSRE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: S1206-LS2RE

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S1B2257

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/04/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

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

CAS NO.	COMPOUND	Q
51-28-5-----	2,4-Dinitrophenol	830 U
100-02-7-----	4-Nitrophenol	2100
132-64-9-----	Dibenzofuran	330 U
121-14-2-----	2,4-Dinitrotoluene	1400
84-66-2-----	Diethylphthalate	330 U
7005-72-3-----	4-Chlorophenyl-phenylether	330 U
86-73-7-----	Fluorene	330 U
100-01-6-----	4-Nitroaniline	830 U
534-52-1-----	4,6-Dinitro-2-methylphenol	830 U
86-30-6-----	N-Nitrosodiphenylamine (1)	330 U
101-55-3-----	4-Bromophenyl-phenylether	330 U
118-74-1-----	Hexachlorobenzene	330 U
87-86-5-----	Pentachlorophenol	1600
85-01-8-----	Phenanthrene	330 U
120-12-7-----	Anthracene	330 U
86-74-8-----	Carbazole	330 U
84-74-2-----	Di-n-butylphthalate	330 U
206-44-0-----	Fluoranthene	330 U
129-00-0-----	Pyrene	1300
85-68-7-----	Butylbenzylphthalate	330 U
91-94-1-----	3,3'-Dichlorobenzidine	330 U
56-55-3-----	Benzo(a)anthracene	330 U
218-01-9-----	Chrysene	330 U
117-81-7-----	bis(2-Ethylhexyl)phthalate	330 U
117-84-0-----	Di-n-octylphthalate	330 U
205-99-2-----	Benzo(b)fluoranthene	330 U
207-08-9-----	Benzo(k)fluoranthene	330 U
50-32-8-----	Benzo(a)pyrene	330 U
193-39-5-----	Indeno(1,2,3-cd)pyrene	330 U
53-70-3-----	Dibenzo(a,h)anthracene	330 U
191-24-2-----	Benzo(g,h,i)perylene	330 U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB113099

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: 62364007

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6643F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 12/01/99

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 12/02/99

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS23AA

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364001

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: E2B6672F

% Moisture: 72 decanted: (Y/N) N

Date Received: 12/01/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	6.0	U
319-85-7-----	beta-BHC	6.0	U
319-86-8-----	delta-BHC	14	P
58-89-9-----	gamma-BHC (Lindane)	6.0	U
76-44-8-----	Heptachlor	29	P
309-00-2-----	Aldrin	14	P
1024-57-3-----	Heptachlor epoxide	36	P
959-98-8-----	Endosulfan I	6.0	U
60-57-1-----	Dieldrin	53	P
72-55-9-----	4,4'-DDE	46	
72-20-8-----	Endrin	12	U
33213-65-9-----	Endosulfan II	22	P
72-54-8-----	4,4'-DDD	39	P
1031-07-8-----	Endosulfan sulfate	12	P
50-29-3-----	4,4'-DDT	13	P
72-43-5-----	Methoxychlor	60	U
53494-70-5-----	Endrin ketone	12	U
7421-93-4-----	Endrin aldehyde	12	U
5103-71-9-----	alpha-Chlordane	6.0	U
5103-74-2-----	gamma-Chlordane	32	P
8001-35-2-----	Toxaphene	600	U
12674-11-2-----	Aroclor-1016	120	U
11104-28-2-----	Aroclor-1221	240	U
11141-16-5-----	Aroclor-1232	120	U
53469-21-9-----	Aroclor-1242	1300	
12672-29-6-----	Aroclor-1248	120	U
11097-69-1-----	Aroclor-1254	700	P
11096-82-5-----	Aroclor-1260	120	U

OK 3129/90

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25AA13

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364002

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: E2B6673F

% Moisture: 65 decanted: (Y/N) N

Date Received: 12/01/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	4.8	U
319-85-7-----	beta-BHC	16	J
319-86-8-----	delta-BHC	7.3	P
58-89-9-----	gamma-BHC (Lindane)	4.8	U
76-44-8-----	Heptachlor	16	P
309-00-2-----	Aldrin	41	
1024-57-3-----	Heptachlor epoxide	17	P
959-98-8-----	Endosulfan I	12	P
60-57-1-----	Dieldrin	48	P
72-55-9-----	4,4'-DDE	32	
72-20-8-----	Endrin	9.3	U
33213-65-9-----	Endosulfan II	11	P
72-54-8-----	4,4'-DDD	28	
1031-07-8-----	Endosulfan sulfate	9.3	U
50-29-3-----	4,4'-DDT	9.3	U
72-43-5-----	Methoxychlor	48	U
53494-70-5-----	Endrin ketone	9.3	U
7421-93-4-----	Endrin aldehyde	9.3	U
5103-71-9-----	alpha-Chlordane	11	P
5103-74-2-----	gamma-Chlordane	25	P
8001-35-2-----	Toxaphene	480	U
12674-11-2-----	Aroclor-1016	93	U
11104-28-2-----	Aroclor-1221	190	U
11141-16-5-----	Aroclor-1232	93	U
53469-21-9-----	Aroclor-1242	620	P
12672-29-6-----	Aroclor-1248	93	U
11097-69-1-----	Aroclor-1254	700	
11096-82-5-----	Aroclor-1260	93	U

Get
3/21/00

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364003

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: E2B6674F

% Moisture: 60 decanted: (Y/N) N

Date Received: 12/01/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----alpha-BHC	15	PJ
319-85-7-----beta-BHC	4.7	PJ
319-86-8-----delta-BHC	4.2	U
58-89-9-----gamma-BHC (Lindane)	4.2	U
76-44-8-----Heptachlor	9.8	P
309-00-2-----Aldrin	4.2	U
1024-57-3-----Heptachlor epoxide	10	P
959-98-8-----Endosulfan I	4.2	U
60-57-1-----Dieldrin	8.3	
72-55-9-----4,4'-DDE	8.1	U
72-20-8-----Endrin	8.1	U
33213-65-9-----Endosulfan II	8.1	U
72-54-8-----4,4'-DDD	8.1	U
1031-07-8-----Endosulfan sulfate	8.1	U
50-29-3-----4,4'-DDT	8.1	U
72-43-5-----Methoxychlor	67	P
53494-70-5-----Endrin ketone	8.1	U
7421-93-4-----Endrin aldehyde	8.1	U
5103-71-9-----alpha-Chlordane	4.2	U
5103-74-2-----gamma-Chlordane	9.7	P
8001-35-2-----Toxaphene	420	U
12674-11-2-----Aroclor-1016	81	U
11104-28-2-----Aroclor-1221	160	U
11141-16-5-----Aroclor-1232	81	U
53469-21-9-----Aroclor-1242	570	
12672-29-6-----Aroclor-1248	81	U
11097-69-1-----Aroclor-1254	93	P
11096-82-5-----Aroclor-1260	81	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25C2535

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364004

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: E2B6635F

% Moisture: 12 decanted: (Y/N) N

Date Received: 12/01/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	1.9	U
319-85-7-----	beta-BHC	1.9	U
319-86-8-----	delta-BHC	1.9	U
58-89-9-----	gamma-BHC (Lindane)	1.9	U
76-44-8-----	Heptachlor	1.9	U
309-00-2-----	Aldrin	1.9	U
1024-57-3-----	Heptachlor epoxide	1.9	U
959-98-8-----	Endosulfan I	1.9	U
60-57-1-----	Dieldrin	3.8	U
72-55-9-----	4,4'-DDE	3.8	U
72-20-8-----	Endrin	3.8	U
33213-65-9-----	Endosulfan II	3.8	U
72-54-8-----	4,4'-DDD	3.8	U
1031-07-8-----	Endosulfan sulfate	3.8	U
50-29-3-----	4,4'-DDT	3.8	U
72-43-5-----	Methoxychlor	19	U
53494-70-5-----	Endrin ketone	3.8	U
7421-93-4-----	Endrin aldehyde	3.8	U
5103-71-9-----	alpha-Chlordane	1.9	U
5103-74-2-----	gamma-Chlordane	1.9	U
8001-35-2-----	Toxaphene	190	U
12674-11-2-----	Aroclor-1016	38	U
11104-28-2-----	Aroclor-1221	76	U
11141-16-5-----	Aroclor-1232	38	U
53469-21-9-----	Aroclor-1242	38	U
12672-29-6-----	Aroclor-1248	38	U
11097-69-1-----	Aroclor-1254	38	U
11096-82-5-----	Aroclor-1260	38	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS25DSURF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364005

Sample wt/vol: 30.9 (g/mL) G

Lab File ID: E2B6641F

% Moisture: 15 decanted: (Y/N) N

Date Received: 12/01/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	1.9	U
319-85-7-----	beta-BHC	1.9	U
319-86-8-----	delta-BHC	1.9	U
58-89-9-----	gamma-BHC (Lindane)	1.9	U
76-44-8-----	Heptachlor	1.9	U
309-00-2-----	Aldrin	1.9	U
1024-57-3-----	Heptachlor epoxide	1.9	U
959-98-8-----	Endosulfan I	1.9	U
60-57-1-----	Dieldrin	3.8	U
72-55-9-----	4,4'-DDE	3.8	U
72-20-8-----	Endrin	3.8	U
33213-65-9-----	Endosulfan II	3.8	U
72-54-8-----	4,4'-DDD	3.8	U
1031-07-8-----	Endosulfan sulfate	3.8	U
50-29-3-----	4,4'-DDT	3.8	U
72-43-5-----	Methoxychlor	19	U
53494-70-5-----	Endrin ketone	3.8	U
7421-93-4-----	Endrin aldehyde	3.8	U
5103-71-9-----	alpha-Chlordane	1.9	U
5103-74-2-----	gamma-Chlordane	1.9	U
8001-35-2-----	Toxaphene	190	U
12674-11-2-----	Aroclor-1016	38	U
11104-28-2-----	Aroclor-1221	77	U
11141-16-5-----	Aroclor-1232	38	U
53469-21-9-----	Aroclor-1242	38	U
12672-29-6-----	Aroclor-1248	38	U
11097-69-1-----	Aroclor-1254	38	U
11096-82-5-----	Aroclor-1260	38	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS32B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: 62364006

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: E2B6642F

% Moisture: 54 decanted: (Y/N) N

Date Received: 12/01/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.4

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----alpha-BHC	3.7	U
319-85-7-----beta-BHC	3.7	U
319-86-8-----delta-BHC	3.9	P
58-89-9-----gamma-BHC (Lindane)	5.4	P
76-44-8-----Heptachlor	7.6	P
309-00-2-----Aldrin	3.7	U
1024-57-3-----Heptachlor epoxide	13	P
959-98-8-----Endosulfan I	12	
60-57-1-----Dieldrin	12	P
72-55-9-----4,4'-DDE	9.6	P
72-20-8-----Endrin	7.1	U
33213-65-9-----Endosulfan II	7.1	U
72-54-8-----4,4'-DDD	25	
1031-07-8-----Endosulfan sulfate	7.1	U
50-29-3-----4,4'-DDT	7.1	U
72-43-5-----Methoxychlor	37	U
53494-70-5-----Endrin ketone	7.1	U
7421-93-4-----Endrin aldehyde	7.1	U
5103-71-9-----alpha-Chlordane	11	
5103-74-2-----gamma-Chlordane	26	
8001-35-2-----Toxaphene	370	U
12674-11-2-----Aroclor-1016	71	U
11104-28-2-----Aroclor-1221	140	U
11141-16-5-----Aroclor-1232	71	U
53469-21-9-----Aroclor-1242	320	
12672-29-6-----Aroclor-1248	71	U
11097-69-1-----Aroclor-1254	200	P
11096-82-5-----Aroclor-1260	71	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01LCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: P1206-LS1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: E2B6628F

% Moisture: 0 decanted: (Y/N) N

Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ____

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	1.7	U
319-85-7-----	beta-BHC	1.7	U
319-86-8-----	delta-BHC	1.7	U
58-89-9-----	gamma-BHC (Lindane)	13	
76-44-8-----	Heptachlor	13	
309-00-2-----	Aldrin	12	
1024-57-3-----	Heptachlor epoxide	1.7	U
959-98-8-----	Endosulfan I	1.7	U
60-57-1-----	Dieldrin	29	
72-55-9-----	4,4'-DDE	3.3	U
72-20-8-----	Endrin	31	
33213-65-9-----	Endosulfan II	3.3	U
72-54-8-----	4,4'-DDD	3.3	U
1031-07-8-----	Endosulfan sulfate	3.3	U
50-29-3-----	4,4'-DDT	26	
72-43-5-----	Methoxychlor	17	U
53494-70-5-----	Endrin ketone	3.3	U
7421-93-4-----	Endrin aldehyde	3.3	U
5103-71-9-----	alpha-Chlordane	1.7	U
5103-74-2-----	gamma-Chlordane	1.7	U
8001-35-2-----	Toxaphene	170	U
12674-11-2-----	Aroclor-1016	33	U
11104-28-2-----	Aroclor-1221	67	U
11141-16-5-----	Aroclor-1232	33	U
53469-21-9-----	Aroclor-1242	33	U
12672-29-6-----	Aroclor-1248	33	U
11097-69-1-----	Aroclor-1254	33	U
11096-82-5-----	Aroclor-1260	33	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK05LCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: P1202-LW2

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6671F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 12/02/99

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.41	P
76-44-8-----	Heptachlor	0.38	
309-00-2-----	Aldrin	0.40	
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.85	
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.93	
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.70	
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS23AA

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62364__

Matrix (soil/water): SOIL_____ Lab Sample ID: 62364001_____

Level (low/med): MED_____ Date Received: 12/01/99_____

% Solids: 31.0_____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	41600			P
7440-36-0	Antimony	1.3	U		P
7440-38-2	Arsenic	5.6	B		P
7440-39-3	Barium	126	B		P
7440-41-7	Beryllium	0.43	B		P
7440-43-9	Cadmium	3.0	B		P
7440-70-2	Calcium	23100			P
7440-47-3	Chromium	112			P
7440-48-4	Cobalt	11.7	B		P
7440-50-8	Copper	67.8			P
7439-89-6	Iron	104000			P
7439-92-1	Lead	374			P
7439-95-4	Magnesium	6730			P
7439-96-5	Manganese	707			P
7439-97-6	Mercury	0.66			CV
7440-02-0	Nickel	47.1			P
7440-09-7	Potassium	1150	B		P
7782-49-2	Selenium	39.4			P
7440-22-4	Silver	5.9	B		P
7440-23-5	Sodium	911	B		P
7440-28-0	Thallium	2.6	U		P
7440-62-2	Vanadium	25.9	B		P
7440-66-6	Zinc	678			P
56-12-5	Cyanide	2.0			C

Color Before: BROWN_____ Clarity Before: _____ Texture: MUD_____

Color After: YELLOW_____ Clarity After: CLEAR_____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS25AA13

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62364____

Matrix (soil/water): SOIL_____ Lab Sample ID: 62364002_____

Level (low/med): MED_____ Date Received: 12/01/99_____

% Solids: 27.0_____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15800			P
7440-36-0	Antimony	9.1	B		P
7440-38-2	Arsenic	8.1			P
7440-39-3	Barium	276			P
7440-41-7	Beryllium	0.30	B		P
7440-43-9	Cadmium	5.7			P
7440-70-2	Calcium	27900			P
7440-47-3	Chromium	339			P
7440-48-4	Cobalt	18.6	B		P
7440-50-8	Copper	2210			P
7439-89-6	Iron	95500			P
7439-92-1	Lead	3130			P
7439-95-4	Magnesium	6030			P
7439-96-5	Manganese	1170			P
7439-97-6	Mercury	0.48			CV
7440-02-0	Nickel	458			P
7440-09-7	Potassium	1450	B		P
7782-49-2	Selenium	39.2			P
7440-22-4	Silver	8.2			P
7440-23-5	Sodium	2080	B		P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	23.9	B		P
7440-66-6	Zinc	1970			P
56-12-5	Cyanide	0.35	B		C

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3/23/00

Color Before: BROWN_____ Clarity Before: _____ Texture: MUD_____

Color After: YELLOW_____ Clarity After: CLEAR_____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS25B

Lab Name: MITKEM_CORPORATION _____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62364____

Matrix (soil/water): SOIL_____ Lab Sample ID: 62364003_____

Level (low/med): MED_____ Date Received: 12/01/99_____

% Solids: 44.0_____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7460			P
7440-36-0	Antimony	0.73	U		P
7440-38-2	Arsenic	3.1	B		P
7440-39-3	Barium	106			P
7440-41-7	Beryllium	0.096	B		P
7440-43-9	Cadmium	1.9			P
7440-70-2	Calcium	18600			P
7440-47-3	Chromium	23.9			P
7440-48-4	Cobalt	8.3	B		P
7440-50-8	Copper	143			P
7439-89-6	Iron	62000			P
7439-92-1	Lead	191			P
7439-95-4	Magnesium	1430	B		P
7439-96-5	Manganese	1940			P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	42.7			P
7440-09-7	Potassium	560	B		P
7782-49-2	Selenium	17.5			P
7440-22-4	Silver	4.8			P
7440-23-5	Sodium	1080	B		P
7440-28-0	Thallium	1.5	U		P
7440-62-2	Vanadium	8.3	B		P
7440-66-6	Zinc	1290			P
56-12-5	Cyanide	2.8			C

Color Before: BROWN_____ Clarity Before: _____ Texture: MUD_____

Color After: YELLOW_____ Clarity After: CLEAR_____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS25C2535

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62364__

Matrix (soil/water): SOIL_____ Lab Sample ID: 62364004_____

Level (low/med): MED_____ Date Received: 12/01/99_____

% Solids: 87.0_____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12300			P
7440-36-0	Antimony	0.34	U		P
7440-38-2	Arsenic	4.4			P
7440-39-3	Barium	56.0			P
7440-41-7	Beryllium	0.55	B		P
7440-43-9	Cadmium	0.26	B		P
7440-70-2	Calcium	437	B		P
7440-47-3	Chromium	15.4			P
7440-48-4	Cobalt	8.4			P
7440-50-8	Copper	22.6			P
7439-89-6	Iron	22900			P
7439-92-1	Lead	15.6			P
7439-95-4	Magnesium	4290			P
7439-96-5	Manganese	258			P
7439-97-6	Mercury	0.057	U		CV
7440-02-0	Nickel	27.8			P
7440-09-7	Potassium	661	B		P
7782-49-2	Selenium	23.1			P
7440-22-4	Silver	0.91	B		P
7440-23-5	Sodium	76.8	B		P
7440-28-0	Thallium	0.67	U		P
7440-62-2	Vanadium	18.4			P
7440-66-6	Zinc	109			P
56-12-5	Cyanide	0.049	U		C

R

666

3/23/00

Color Before: GREY_____ Clarity Before: _____ Texture: CLAY__

Color After: YELLOW__ Clarity After: CLEAR__ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS25DSURF

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62364__

Matrix (soil/water): SOIL_____ Lab Sample ID: 62364005_____

Level (low/med): MED_____ Date Received: 12/01/99_____

% Solids: 83.0_____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13300			P
7440-36-0	Antimony	0.40	U		P
7440-38-2	Arsenic	5.2			P
7440-39-3	Barium	61.5			P
7440-41-7	Beryllium	0.55	B		P
7440-43-9	Cadmium	0.11	B		P
7440-70-2	Calcium	337	B		P
7440-47-3	Chromium	13.2			P
7440-48-4	Cobalt	8.0	B		P
7440-50-8	Copper	17.5			P
7439-89-6	Iron	19400			P
7439-92-1	Lead	32.5			P
7439-95-4	Magnesium	3450			P
7439-96-5	Manganese	345			P
7439-97-6	Mercury	0.060	B		CV
7440-02-0	Nickel	20.6			P
7440-09-7	Potassium	410	B		P
7782-49-2	Selenium	21.4			P
7440-22-4	Silver	0.74	B		P
7440-23-5	Sodium	27.1	U		P
7440-28-0	Thallium	0.81	U		P
7440-62-2	Vanadium	18.6			P
7440-66-6	Zinc	96.0			P
56-12-5	Cyanide	0.048	B		C

Color Before: BROWN_____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW_____ Clarity After: CLEAR_____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS32B

Lab Name: MITKEM CORPORATION _____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62364__

Matrix (soil/water): SOIL _____ Lab Sample ID: 62364006_____

Level (low/med): MED _____ Date Received: 12/01/99_____

% Solids: 36.0_____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5070			P
7440-36-0	Antimony	2.8	B		P
7440-38-2	Arsenic	5.1			P
7440-39-3	Barium	52.8	B		P
7440-41-7	Beryllium	0.12	B		P
7440-43-9	Cadmium	6.5			P
7440-70-2	Calcium	2240	B		P
7440-47-3	Chromium	76.0			P
7440-48-4	Cobalt	7.7	B		P
7440-50-8	Copper	95.4			P
7439-89-6	Iron	192000			P
7439-92-1	Lead	248			P
7439-95-4	Magnesium	1260	B		P
7439-96-5	Manganese	450			P
7439-97-6	Mercury	1.0			CV
7440-02-0	Nickel	139			P
7440-09-7	Potassium	376	B		P
7782-49-2	Selenium	176			P
7440-22-4	Silver	11.1			P
7440-23-5	Sodium	530	B		P
7440-28-0	Thallium	1.9	U		P
7440-62-2	Vanadium	15.7	B		P
7440-66-6	Zinc	722			P
56-12-5	Cyanide	9.1			C

Color Before: BROWN _____ Clarity Before: _____ Texture: CLAY__

Color After: YELLOW _____ Clarity After: CLEAR__ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

FB113099

Lab Name: MITKEM_CORPORATION _____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62364__

Matrix (soil/water): WATER__ Lab Sample ID: 62364007__

Level (low/med): MED__ Date Received: 12/01/99__

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20.0	U		P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	12.0	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.53	B		P
7440-70-2	Calcium	203	U		P
7440-47-3	Chromium	2.1	B		P
7440-48-4	Cobalt	0.85	B		P
7440-50-8	Copper	1.4	B		P
7439-89-6	Iron	20.2	B		P
7439-92-1	Lead	5.6			P
7439-95-4	Magnesium	22.1	B		P
7439-96-5	Manganese	1.8	B		P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	1.6	B		P
7440-09-7	Potassium	107	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	134	U		P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	0.40	U		P
7440-66-6	Zinc	13.4	B		P
56-12-5	Cyanide	1.0	U		C

Color Before: BROWN__ Clarity Before: _____ Texture: MUD__

Color After: YELLOW__ Clarity After: CLEAR__ Artifacts: _____

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK1E

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: V1B1206A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8382

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/06/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	1	J
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBK1E

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: V1B1206A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8382

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/06/99

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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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK1F

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: V1B1207A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8412

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/07/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	10	U
67-64-1	-----Acetone	1	J
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (Total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBK1F

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: V1B1207A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8412

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/07/99

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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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VLK2S

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: V2B1208A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2C8012

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/08/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	2	J
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (Total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBK2S

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: V2B1208A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2C8012

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/08/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

VLK2U

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: V2B1209B

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2C8052

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/09/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VLK2U

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: V2B1209B

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2C8052

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/09/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

VBLK5I

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: V5B1202A

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B8072

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/02/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
			Q
74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBK5I

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: V5B1202A

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B8072

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/02/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

VHBLK2U

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: V2B1209C

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2C8071

Level: (low/med) LOW

Date Received: 11/19/99

% Moisture: not dec. _____

Date Analyzed: 12/10/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
74-87-3	-----Chloromethane	10	U	
74-83-9	-----Bromomethane	10	U	
75-01-4	-----Vinyl Chloride	10	U	
75-00-3	-----Chloroethane	10	U	
75-09-2	-----Methylene Chloride	10	U	
67-64-1	-----Acetone	10	U	
75-15-0	-----Carbon Disulfide	10	U	
75-35-4	-----1,1-Dichloroethene	10	U	
75-34-3	-----1,1-Dichloroethane	10	U	
540-59-0	-----1,2-Dichloroethene (Total)	10	U	
67-66-3	-----Chloroform	1	J	
107-06-2	-----1,2-Dichloroethane	10	U	
78-93-3	-----2-Butanone	10	U	
71-55-6	-----1,1,1-Trichloroethane	10	U	
56-23-5	-----Carbon Tetrachloride	10	U	
75-27-4	-----Bromodichloromethane	10	U	
78-87-5	-----1,2-Dichloropropane	10	U	
10061-01-5	-----cis-1,3-Dichloropropene	10	U	
79-01-6	-----Trichloroethene	10	U	
124-48-1	-----Dibromochloromethane	10	U	
79-00-5	-----1,1,2-Trichloroethane	10	U	
71-43-2	-----Benzene	10	U	
10061-02-6	-----trans-1,3-Dichloropropene	10	U	
75-25-2	-----Bromoform	10	U	
108-10-1	-----4-Methyl-2-Pentanone	10	U	
591-78-6	-----2-Hexanone	10	U	
127-18-4	-----Tetrachloroethene	3	J	
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U	
108-88-3	-----Toluene	10	U	
108-90-7	-----Chlorobenzene	10	U	
100-41-4	-----Ethylbenzene	10	U	
100-42-5	-----Styrene	10	U	
1330-20-7	-----Xylene (Total)	10	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK2U

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: V2B1209C

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2C8071

Level: (low/med) LOW

Date Received: 11/19/99

% Moisture: not dec. _____

Date Analyzed: 12/10/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1J

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: S1202-BW4

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B1867

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/02/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/14/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1J

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: S1202-BW4

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B1867

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/02/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/14/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b) fluoranthene	10	U
207-08-9-----	Benzo(k) fluoranthene	10	U
50-32-8-----	Benzo(a) pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo(a,h) anthracene	10	U
191-24-2-----	Benzo(g,h,i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK1J

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: S1202-BW4

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B1867

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/02/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/14/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1P

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: S1206-BS2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S1B1888

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/15/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

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

108-95-2-----	Phenol	330	U
111-44-4-----	bis(-2-Chloroethyl) Ether	330	U
95-57-8-----	2-Chlorophenol	330	U
541-73-1-----	1,3-Dichlorobenzene	330	U
106-46-7-----	1,4-Dichlorobenzene	330	U
95-50-1-----	1,2-Dichlorobenzene	330	U
95-48-7-----	2-Methylphenol	330	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5-----	4-Methylphenol	330	U
621-64-7-----	N-Nitroso-di-n-propylamine	330	U
67-72-1-----	Hexachloroethane	330	U
98-95-3-----	Nitrobenzene	330	U
78-59-1-----	Isophorone	330	U
88-75-5-----	2-Nitrophenol	330	U
105-67-9-----	2,4-Dimethyphenol	330	U
120-83-2-----	2,4-Dichlorophenol	330	U
120-82-1-----	1,2,4-Trichlorobenzene	330	U
91-20-3-----	Naphthalene	330	U
106-47-8-----	4-Chloroaniline	330	U
111-91-1-----	bis(2-Chloroethoxy)methane	330	U
87-68-3-----	Hexachlorobutadiene	330	U
59-50-7-----	4-Chloro-3-methylphenol	330	U
91-57-6-----	2-Methylnaphthalene	330	U
77-47-4-----	Hexachlorocyclopentadiene	330	U
88-06-2-----	2,4,6-Trichlorophenol	330	U
95-95-4-----	2,4,5-Trichlorophenol	830	U
91-58-7-----	2-Chloronaphthalene	330	U
88-74-4-----	2-Nitroaniline	830	U
131-11-3-----	Dimethylphthalate	330	U
208-96-8-----	Acenaphthylene	330	U
606-20-2-----	2,6-Dinitrotoluene	330	U
99-09-2-----	3-Nitroaniline	830	U
83-32-9-----	Acenaphthene	330	U

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1P

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: S1206-BS2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S1B1888

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/15/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	830	U
100-02-7-----	4-Nitrophenol	830	U
132-64-9-----	Dibenzofuran	330	U
121-14-2-----	2,4-Dinitrotoluene	330	U
84-66-2-----	Diethylphthalate	330	U
7005-72-3-----	4-Chlorophenyl-phenylether	330	U
86-73-7-----	Fluorene	330	U
100-01-6-----	4-Nitroaniline	830	U
534-52-1-----	4,6-Dinitro-2-methylphenol	830	U
86-30-6-----	N-Nitrosodiphenylamine (1)	330	U
101-55-3-----	4-Bromophenyl-phenylether	330	U
118-74-1-----	Hexachlorobenzene	330	U
87-86-5-----	Pentachlorophenol	830	U
85-01-8-----	Phenanthrene	330	U
120-12-7-----	Anthracene	330	U
86-74-8-----	Carbazole	330	U
84-74-2-----	Di-n-butylphthalate	330	U
206-44-0-----	Fluoranthene	330	U
129-00-0-----	Pyrene	330	U
85-68-7-----	Butylbenzylphthalate	330	U
91-94-1-----	3,3'-Dichlorobenzidine	330	U
56-55-3-----	Benzo(a)anthracene	330	U
218-01-9-----	Chrysene	330	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	330	U
117-84-0-----	Di-n-octylphthalate	330	U
205-99-2-----	Benzo(b)fluoranthene	330	U
207-08-9-----	Benzo(k)fluoranthene	330	U
50-32-8-----	Benzo(a)pyrene	330	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	330	U
53-70-3-----	Dibenzo(a,h)anthracene	330	U
191-24-2-----	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK1P

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: S1206-BS2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S1B1888

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/15/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

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

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.18	290	J
2. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	4.67	22000	ANJ <i>R</i>
3.	UNKNOWN	5.75	360	J
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) SOIL

Lab Sample ID: P1206-BS1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: E2B6627F

% Moisture: 0 decanted: (Y/N) N

Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: ____

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	1.7	U
319-85-7-----	beta-BHC	1.7	U
319-86-8-----	delta-BHC	1.7	U
58-89-9-----	gamma-BHC (Lindane)	1.7	U
76-44-8-----	Heptachlor	1.7	U
309-00-2-----	Aldrin	1.7	U
1024-57-3-----	Heptachlor epoxide	1.7	U
959-98-8-----	Endosulfan I	1.7	U
60-57-1-----	Dieldrin	3.3	U
72-55-9-----	4,4'-DDE	3.3	U
72-20-8-----	Endrin	3.3	U
33213-65-9-----	Endosulfan II	3.3	U
72-54-8-----	4,4'-DDD	3.3	U
1031-07-8-----	Endosulfan sulfate	3.3	U
50-29-3-----	4,4'-DDT	3.3	U
72-43-5-----	Methoxychlor	17	U
53494-70-5-----	Endrin ketone	3.3	U
7421-93-4-----	Endrin aldehyde	3.3	U
5103-71-9-----	alpha-Chlordane	1.7	U
5103-74-2-----	gamma-Chlordane	1.7	U
8001-35-2-----	Toxaphene	170	U
12674-11-2-----	Aroclor-1016	33	U
11104-28-2-----	Aroclor-1221	67	U
11141-16-5-----	Aroclor-1232	33	U
53469-21-9-----	Aroclor-1242	33	U
12672-29-6-----	Aroclor-1248	33	U
11097-69-1-----	Aroclor-1254	33	U
11096-82-5-----	Aroclor-1260	33	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK05

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: P1202-BW2

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6670F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 12/02/99

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----alpha-BHC	0.050	U
319-85-7-----beta-BHC	0.050	U
319-86-8-----delta-BHC	0.050	U
58-89-9-----gamma-BHC (Lindane)	0.050	U
76-44-8-----Heptachlor	0.050	U
309-00-2-----Aldrin	0.050	U
1024-57-3-----Heptachlor epoxide	0.050	U
959-98-8-----Endosulfan I	0.050	U
60-57-1-----Dieldrin	0.10	U
72-55-9-----4,4'-DDE	0.10	U
72-20-8-----Endrin	0.10	U
33213-65-9-----Endosulfan II	0.10	U
72-54-8-----4,4'-DDD	0.10	U
1031-07-8-----Endosulfan sulfate	0.10	U
50-29-3-----4,4'-DDT	0.10	U
72-43-5-----Methoxychlor	0.50	U
53494-70-5-----Endrin ketone	0.10	U
7421-93-4-----Endrin aldehyde	0.10	U
5103-71-9-----alpha-Chlordane	0.050	U
5103-74-2-----gamma-Chlordane	0.050	U
8001-35-2-----Toxaphene	5.0	U
12674-11-2-----Aroclor-1016	1.0	U
11104-28-2-----Aroclor-1221	2.0	U
11141-16-5-----Aroclor-1232	1.0	U
53469-21-9-----Aroclor-1242	1.0	U
12672-29-6-----Aroclor-1248	1.0	U
11097-69-1-----Aroclor-1254	1.0	U
11096-82-5-----Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKI1

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK11

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6510F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/18/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKI1

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK11

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6510R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/18/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----alpha-BHC	0.025	U
319-85-7-----beta-BHC	0.025	U
319-86-8-----delta-BHC	0.025	U
58-89-9-----gamma-BHC (Lindane)	0.025	U
76-44-8-----Heptachlor	0.025	U
309-00-2-----Aldrin	0.025	U
1024-57-3-----Heptachlor epoxide	0.025	U
959-98-8-----Endosulfan I	0.025	U
60-57-1-----Dieldrin	0.050	U
72-55-9-----4,4'-DDE	0.050	U
72-20-8-----Endrin	0.050	U
33213-65-9-----Endosulfan II	0.050	U
72-54-8-----4,4'-DDD	0.050	U
1031-07-8-----Endosulfan sulfate	0.050	U
50-29-3-----4,4'-DDT	0.050	U
72-43-5-----Methoxychlor	0.25	U
53494-70-5-----Endrin ketone	0.050	U
7421-93-4-----Endrin aldehyde	0.050	U
5103-71-9-----alpha-Chlordane	0.025	U
5103-74-2-----gamma-Chlordane	0.025	U
8001-35-2-----Toxaphene	2.5	U
12674-11-2-----Aroclor-1016	0.50	U
11104-28-2-----Aroclor-1221	1.0	U
11141-16-5-----Aroclor-1232	0.50	U
53469-21-9-----Aroclor-1242	0.50	U
12672-29-6-----Aroclor-1248	0.50	U
11097-69-1-----Aroclor-1254	0.50	U
11096-82-5-----Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIJ

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIJ

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6625F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIJ

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIJ

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6625R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

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

CAS NO.

COMPOUND

Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIK

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIK

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6638F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIK

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIK

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6638R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIL

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6653F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIL

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6653R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIM

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIM

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6667F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----alpha-BHC	0.025	U
319-85-7-----beta-BHC	0.025	U
319-86-8-----delta-BHC	0.025	U
58-89-9-----gamma-BHC (Lindane)	0.025	U
76-44-8-----Heptachlor	0.025	U
309-00-2-----Aldrin	0.025	U
1024-57-3-----Heptachlor epoxide	0.025	U
959-98-8-----Endosulfan I	0.025	U
60-57-1-----Dieldrin	0.050	U
72-55-9-----4,4'-DDE	0.050	U
72-20-8-----Endrin	0.050	U
33213-65-9-----Endosulfan II	0.050	U
72-54-8-----4,4'-DDD	0.050	U
1031-07-8-----Endosulfan sulfate	0.050	U
50-29-3-----4,4'-DDT	0.050	U
72-43-5-----Methoxychlor	0.25	U
53494-70-5-----Endrin ketone	0.050	U
7421-93-4-----Endrin aldehyde	0.050	U
5103-71-9-----alpha-Chlordane	0.025	U
5103-74-2-----gamma-Chlordane	0.025	U
8001-35-2-----Toxaphene	2.5	U
12674-11-2-----Aroclor-1016	0.50	U
11104-28-2-----Aroclor-1221	1.0	U
11141-16-5-----Aroclor-1232	0.50	U
53469-21-9-----Aroclor-1242	0.50	U
12672-29-6-----Aroclor-1248	0.50	U
11097-69-1-----Aroclor-1254	0.50	U
11096-82-5-----Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIM

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIM

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6667R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIN

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIN

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6682F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/24/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIN

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62364

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIN

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6682R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/24/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC (Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	0.25	U
53494-70-5	Endrin ketone	0.050	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP120199

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383012

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2C8032

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 26

Date Analyzed: 12/08/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
			Q
74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene Chloride	14	U
67-64-1	Acetone	2	JS
75-15-0	Carbon Disulfide	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
540-59-0	1,2-Dichloroethene (Total)	14	U
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	2-Butanone	14	U
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon Tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-88-3	Toluene	3	J
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
100-42-5	Styrene	14	U
1330-20-7	Xylene (Total)	9	J

665
N1500
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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP120199

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383012

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2C8032

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 26

Date Analyzed: 12/08/99

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

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB120199

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: 62383013

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2C8055

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. _____

Date Analyzed: 12/09/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	4	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB120199

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: 62383013

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2C8055

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. _____

Date Analyzed: 12/09/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

SS24A11

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383002

Sample wt/vol: 2.1 (g/mL) G

Lab File ID: V2C8017

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 62

Date Analyzed: 12/08/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
74-87-3	-----Chloromethane	63	U	
74-83-9	-----Bromomethane	63	U	
75-01-4	-----Vinyl Chloride	63	U	
75-00-3	-----Chloroethane	63	U	
75-09-2	-----Methylene Chloride	96	BM	
67-64-1	-----Acetone	170	S	
75-15-0	-----Carbon Disulfide	23	J	
75-35-4	-----1,1-Dichloroethene	63	U	
75-34-3	-----1,1-Dichloroethane	63	U	
540-59-0	-----1,2-Dichloroethene (Total)	63	U	
67-66-3	-----Chloroform	63	U	
107-06-2	-----1,2-Dichloroethane	63	U	
78-93-3	-----2-Butanone	25	J	
71-55-6	-----1,1,1-Trichloroethane	63	U	
56-23-5	-----Carbon Tetrachloride	63	U	
75-27-4	-----Bromodichloromethane	63	U	
78-87-5	-----1,2-Dichloropropane	63	U	
10061-01-5	-----cis-1,3-Dichloropropene	63	U	
79-01-6	-----Trichloroethene	63	U	
124-48-1	-----Dibromochloromethane	63	U	
79-00-5	-----1,1,2-Trichloroethane	63	U	
71-43-2	-----Benzene	27	J	
10061-02-6	-----trans-1,3-Dichloropropene	63	U	
75-25-2	-----Bromoform	63	U	
108-10-1	-----4-Methyl-2-Pentanone	63	U	
591-78-6	-----2-Hexanone	63	U	
127-18-4	-----Tetrachloroethene	63	U	
79-34-5	-----1,1,2,2-Tetrachloroethane	63	U	
108-88-3	-----Toluene	94		
108-90-7	-----Chlorobenzene	630		
100-41-4	-----Ethylbenzene	48	J	
100-42-5	-----Styrene	63	U	
1330-20-7	-----Xylene (Total)	2000		

COF
3/15/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS24A11

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383002

Sample wt/vol: 2.1 (g/mL) G

Lab File ID: V2C8017

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 62

Date Analyzed: 12/08/99

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

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	12.24	1500	J
2.	UNKNOWN	12.64	1200	J
3.	C3-BENZENE ISOMER	13.04	1200	J
4.	UNKNOWN CYCLOALKANE	13.17	3500	J
5.	C3-BENZENE ISOMER	13.23	1900	J
6.	C3-BENZENE ISOMER	13.49	560	J
7.	UNKNOWN ALKANE	13.57	1200	J
8.	UNKNOWN ALKANE	13.63	550	J
9.	C3-BENZENE ISOMER	13.69	10000	J
10.	UNKNOWN HYDROCARBON	13.77	540	J
11.	UNKNOWN ALKANE	13.92	2200	J
12.	C3-BENZENE ISOMER	14.19	3400	J
13.	C9H10 ISOMER	14.41	1600	J
14.	C4-BENZENE ISOMER	14.48	730	J
15. 493-02-7	NAPHTHALENE, DECAHYDRO-, TRA	14.54	770	NJ
16.	UNKNOWN HYDROCARBON	14.59	1400	J
17.	UNKNOWN	14.70	750	J
18.	C4-BENZENE ISOMER	14.83	2300	J
19.	C4-BENZENE ISOMER	14.91	1600	J
20.	UNKNOWN ALKANE	14.96	550	J
21.	UNKNOWN	15.05	570	J
22.	UNKNOWN	15.27	1300	J
23.	UNKNOWN ALKANE	15.36	1600	J
24.	C4-BENZENE ISOMER	15.41	1100	J
25.	UNKNOWN	15.48	1500	J
26.	UNKNOWN ALKANE	15.78	940	J
27.	UNKNOWN	15.89	1200	J
28.	UNKNOWN ALKANE	15.95	1100	J
29.	UNKNOWN	16.06	680	J
30. 91-20-3	NAPHTHALENE	16.59	1600	NJ

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS24B35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383001

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8401

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 17

Date Analyzed: 12/06/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
74-87-3	-----Chloromethane	12	U	
74-83-9	-----Bromomethane	12	U	
75-01-4	-----Vinyl Chloride	12	U	
75-00-3	-----Chloroethane	12	U	
75-09-2	-----Methylene Chloride	12	U	
67-64-1	-----Acetone	1200	E	
75-15-0	-----Carbon Disulfide	12	U	
75-35-4	-----1,1-Dichloroethene	12	U	
75-34-3	-----1,1-Dichloroethane	12	U	
540-59-0	-----1,2-Dichloroethene (Total)	12	U	
67-66-3	-----Chloroform	12	U	
107-06-2	-----1,2-Dichloroethane	12	U	
78-93-3	-----2-Butanone	5	J	
71-55-6	-----1,1,1-Trichloroethane	12	U	
56-23-5	-----Carbon Tetrachloride	12	U	
75-27-4	-----Bromodichloromethane	12	U	
78-87-5	-----1,2-Dichloropropane	12	U	
10061-01-5	-----cis-1,3-Dichloropropene	12	U	
79-01-6	-----Trichloroethene	12	U	
124-48-1	-----Dibromochloromethane	12	U	
79-00-5	-----1,1,2-Trichloroethane	12	U	
71-43-2	-----Benzene	1	J	
10061-02-6	-----trans-1,3-Dichloropropene	12	U	
75-25-2	-----Bromoform	12	U	
108-10-1	-----4-Methyl-2-Pentanone	12	U	
591-78-6	-----2-Hexanone	12	U	
127-18-4	-----Tetrachloroethene	12	U	
79-34-5	-----1,1,2,2-Tetrachloroethane	12	U	
108-88-3	-----Toluene	2	J	
108-90-7	-----Chlorobenzene	21		
100-41-4	-----Ethylbenzene	1	J	
100-42-5	-----Styrene	12	U	
1330-20-7	-----Xylene (Total)	12	J	

use Aceto
result
from
SS24B35DL

860
3/15/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS24B35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383001

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8401

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 17

Date Analyzed: 12/06/99

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 67-63-0	ISOPROPYL ALCOHOL	4.83	36	NJ
2.	C3-BENZENE ISOMER	13.06	9	J
3.	C3-BENZENE ISOMER	13.55	6	J
4.	C3-BENZENE ISOMER	13.65	10	J
5.	C3-BENZENE ISOMER	13.74	37	J
6.	C3-BENZENE ISOMER	14.19	18	J
7.	UNKNOWN	14.42	7	J
8. 1678-93-9	CYCLOHEXANE, BUTYL-	14.47	11	NJ
9.	BENZENE, DICHLORO ISOMER	14.64	44	J
10.	C4-BENZENE ISOMER	14.92	19	J
11.	C4-BENZENE ISOMER	14.98	18	J
12. 493-02-7	NAPHTHALENE, DECAHYDRO-, TRA	15.06	16	NJ
13.	C4-BENZENE ISOMER	15.31	6	J
14.	C4-BENZENE ISOMER	15.41	14	J
15.	C10H12 ISOMER	15.57	10	J
16.	C4-BENZENE ISOMER	15.86	7	J
17.	C4-BENZENE ISOMER	15.92	11	J
18.	C4-BENZENE ISOMER	16.39	11	J
19. 91-20-3	NAPHTHALENE	17.12	11	NJ
20.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS24B35DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383001DL

Sample wt/vol: 0.5 (g/mL) G

Lab File ID: V1C8417

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 17

Date Analyzed: 12/07/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	120	U
74-83-9-----	Bromomethane	120	U
75-01-4-----	Vinyl Chloride	120	U
75-00-3-----	Chloroethane	120	U
75-09-2-----	Methylene Chloride	120	U
67-64-1-----	Acetone	1200	DB
75-15-0-----	Carbon Disulfide	120	U
75-35-4-----	1,1-Dichloroethene	120	U
75-34-3-----	1,1-Dichloroethane	120	U
540-59-0-----	1,2-Dichloroethene (Total)	120	U
67-66-3-----	Chloroform	120	U
107-06-2-----	1,2-Dichloroethane	120	U
78-93-3-----	2-Butanone	120	U
71-55-6-----	1,1,1-Trichloroethane	120	U
56-23-5-----	Carbon Tetrachloride	120	U
75-27-4-----	Bromodichloromethane	120	U
78-87-5-----	1,2-Dichloropropane	120	U
10061-01-5-----	cis-1,3-Dichloropropene	120	U
79-01-6-----	Trichloroethene	120	U
124-48-1-----	Dibromochloromethane	120	U
79-00-5-----	1,1,2-Trichloroethane	120	U
71-43-2-----	Benzene	120	U
10061-02-6-----	trans-1,3-Dichloropropene	120	U
75-25-2-----	Bromoform	120	U
108-10-1-----	4-Methyl-2-Pentanone	120	U
591-78-6-----	2-Hexanone	120	U
127-18-4-----	Tetrachloroethene	120	U
79-34-5-----	1,1,2,2-Tetrachloroethane	120	U
108-88-3-----	Toluene	120	U
108-90-7-----	Chlorobenzene	120	U
100-41-4-----	Ethylbenzene	120	U
100-42-5-----	Styrene	120	U
1330-20-7-----	Xylene (Total)	120	U

FORM I VOA

use only the Acetone
Value.
608 3/15/00

001 15

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS24B35DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383001DL

Sample wt/vol: 0.5 (g/mL) G

Lab File ID: V1C8417

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 17

Date Analyzed: 12/07/99

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.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS26A35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383004

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: V2C8029

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 18

Date Analyzed: 12/08/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	12	U
74-83-9-----	Bromomethane	12	U
75-01-4-----	Vinyl Chloride	12	U
75-00-3-----	Chloroethane	12	U
75-09-2-----	Methylene Chloride	12	U
67-64-1-----	Acetone	2	JS
75-15-0-----	Carbon Disulfide	12	U
75-35-4-----	1,1-Dichloroethene	12	U
75-34-3-----	1,1-Dichloroethane	12	U
540-59-0-----	1,2-Dichloroethene (Total)	12	U
67-66-3-----	Chloroform	12	U
107-06-2-----	1,2-Dichloroethane	12	U
78-93-3-----	2-Butanone	12	U
71-55-6-----	1,1,1-Trichloroethane	12	U
56-23-5-----	Carbon Tetrachloride	12	U
75-27-4-----	Bromodichloromethane	12	U
78-87-5-----	1,2-Dichloropropane	12	U
10061-01-5-----	cis-1,3-Dichloropropene	12	U
79-01-6-----	Trichloroethene	12	U
124-48-1-----	Dibromochloromethane	12	U
79-00-5-----	1,1,2-Trichloroethane	12	U
71-43-2-----	Benzene	12	U
10061-02-6-----	trans-1,3-Dichloropropene	12	U
75-25-2-----	Bromoform	12	U
108-10-1-----	4-Methyl-2-Pentanone	12	U
591-78-6-----	2-Hexanone	12	U
127-18-4-----	Tetrachloroethene	12	U
79-34-5-----	1,1,2,2-Tetrachloroethane	12	U
108-88-3-----	Toluene	12	U
108-90-7-----	Chlorobenzene	12	U
100-41-4-----	Ethylbenzene	12	U
100-42-5-----	Styrene	12	U
1330-20-7-----	Xylene (Total)	6	J

FORM I VOA

60F
3/15/00

000-17

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS26A35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383004

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: V2C8029

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 18

Date Analyzed: 12/08/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS26A6

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383005

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2C8030

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 52

Date Analyzed: 12/08/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	21	U
74-83-9-----	Bromomethane	21	U
75-01-4-----	Vinyl Chloride	21	U
75-00-3-----	Chloroethane	21	U
75-09-2-----	Methylene Chloride	21	U
67-64-1-----	Acetone	66	S
75-15-0-----	Carbon Disulfide	21	U
75-35-4-----	1,1-Dichloroethene	21	U
75-34-3-----	1,1-Dichloroethane	21	U
540-59-0-----	1,2-Dichloroethene (Total)	21	U
67-66-3-----	Chloroform	21	U
107-06-2-----	1,2-Dichloroethane	21	U
78-93-3-----	2-Butanone	21	U
71-55-6-----	1,1,1-Trichloroethane	21	U
56-23-5-----	Carbon Tetrachloride	21	U
75-27-4-----	Bromodichloromethane	21	U
78-87-5-----	1,2-Dichloropropane	21	U
10061-01-5-----	cis-1,3-Dichloropropene	21	U
79-01-6-----	Trichloroethene	21	U
124-48-1-----	Dibromochloromethane	21	U
79-00-5-----	1,1,2-Trichloroethane	21	U
71-43-2-----	Benzene	21	U
10061-02-6-----	trans-1,3-Dichloropropene	21	U
75-25-2-----	Bromoform	21	U
108-10-1-----	4-Methyl-2-Pentanone	21	U
591-78-6-----	2-Hexanone	21	U
127-18-4-----	Tetrachloroethene	21	U
79-34-5-----	1,1,2,2-Tetrachloroethane	21	U
108-88-3-----	Toluene	7	J
108-90-7-----	Chlorobenzene	42	
100-41-4-----	Ethylbenzene	57	
100-42-5-----	Styrene	21	U
1330-20-7-----	Xylene (Total)	160	

FORM I VOA

66F
3/15/00

000 10

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS26A6

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383005

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2C8030

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 52

Date Analyzed: 12/08/99

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

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 1124-25-0	CYCLOHEXANE, 1-METHYL-4-(1-M	12.63	64	NJ
2.	C3-BENZENE ISOMER	13.05	16	J
3.	C3-BENZENE ISOMER	13.14	93	J
4.	C3-BENZENE ISOMER	13.24	110	J
5.	C3-BENZENE ISOMER	13.49	27	J
6.	UNKNOWN	13.61	65	J
7.	C3-BENZENE ISOMER	13.68	190	J
8.	C4-BENZENE ISOMER	13.88	18	J
9.	UNKNOWN CYCLOALKANE	13.97	35	J
10.	C3-BENZENE ISOMER	14.18	120	J
11.	C4-BENZENE ISOMER	14.41	82	J
12.	C4-BENZENE ISOMER	14.48	81	J
13.	UNKNOWN ALKANE	14.58	40	J
14.	C4-BENZENE ISOMER	14.70	31	J
15.	C4-BENZENE ISOMER	14.82	91	J
16.	C4-BENZENE ISOMER	14.90	79	J
17.	UNKNOWN	15.05	42	J
18.	C4-BENZENE ISOMER	15.25	49	J
19.	C4-BENZENE ISOMER	15.35	71	J
20.	C4-BENZENE ISOMER	15.41	96	J
21.	UNKNOWN	15.49	26	J
22.	C10H12 ISOMER	15.72	31	J
23.	C5-BENZENE ISOMER	15.80	20	J
24.	C4-BENZENE ISOMER	15.88	110	J
25.	C5-BENZENE ISOMER	15.96	17	J
26. 119-64-2	NAPHTHALENE, 1,2,3,4-TETRAHY	16.09	17	NJ
27.	C5-BENZENE ISOMER	16.26	39	J
28.	C5-BENZENE ISOMER	16.40	17	J
29. 91-20-3	NAPHTHALENE	16.59	110	NJ
30. 91-57-6	NAPHTHALENE, 2-METHYL-	17.78	23	NJ

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS26B8

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383011

Sample wt/vol: 0.5 (g/mL) G

Lab File ID: V2C8033

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 64

Date Analyzed: 12/08/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
			Q
74-87-3	Chloromethane	280	U
74-83-9	Bromomethane	280	U
75-01-4	Vinyl Chloride	280	U
75-00-3	Chloroethane	280	U
75-09-2	Methylene Chloride	280	U
67-64-1	Acetone	790	S
75-15-0	Carbon Disulfide	82	J
75-35-4	1,1-Dichloroethene	280	U
75-34-3	1,1-Dichloroethane	280	U
540-59-0	1,2-Dichloroethene (Total)	280	U
67-66-3	Chloroform	280	U
107-06-2	1,2-Dichloroethane	280	U
78-93-3	2-Butanone	330	
71-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	280	U
75-27-4	Bromodichloromethane	280	U
78-87-5	1,2-Dichloropropane	280	U
10061-01-5	cis-1,3-Dichloropropene	280	U
79-01-6	Trichloroethene	280	U
124-48-1	Dibromochloromethane	280	U
79-00-5	1,1,2-Trichloroethane	280	U
71-43-2	Benzene	30	J
10061-02-6	trans-1,3-Dichloropropene	280	U
75-25-2	Bromoform	280	U
108-10-1	4-Methyl-2-Pentanone	280	U
591-78-6	2-Hexanone	280	U
127-18-4	Tetrachloroethene	280	U
79-34-5	1,1,2,2-Tetrachloroethane	280	U
108-88-3	Toluene	150	J
108-90-7	Chlorobenzene	2200	
100-41-4	Ethylbenzene	170	J
100-42-5	Styrene	280	U
1330-20-7	Xylene (Total)	3000	

3/15/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS26B8

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383011

Sample wt/vol: 0.5 (g/mL) G

Lab File ID: V2C8033

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 64

Date Analyzed: 12/08/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 29

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN CYCLOALKANE	12.41	260	J
2.	UNKNOWN CYCLOALKANE	12.63	170	J
3.	C3-BENZENE ISOMER	13.04	700	J
4.	C3-BENZENE ISOMER	13.14	1500	J
5.	C3-BENZENE ISOMER	13.24	1800	J
6.	C10H18 ISOMER	13.36	200	J
7.	C3-BENZENE ISOMER	13.48	890	J
8.	C3-BENZENE ISOMER	13.68	3800	J
9.	C4-BENZENE ISOMER	13.87	510	J
10.	C4-BENZENE ISOMER	13.98	510	J
11.	C3-BENZENE ISOMER	14.17	1400	J
12.	C4-BENZENE ISOMER	14.41	1300	J
13.	C4-BENZENE ISOMER	14.48	1100	J
14.	C4-BENZENE ISOMER	14.69	470	J
15.	C4-BENZENE ISOMER	14.79	540	J
16.	C4-BENZENE ISOMER	14.82	860	J
17.	C4-BENZENE ISOMER	14.90	950	J
18.	C10H12 ISOMER	15.05	650	J
19.	C4-BENZENE ISOMER	15.25	450	J
20.	C4-BENZENE ISOMER	15.35	1100	J
21.	C4-BENZENE ISOMER	15.40	970	J
22.	C5-BENZENE ISOMER	15.49	310	J
23.	UNKNOWN	15.53	170	J
24.	C10H12 ISOMER	15.72	310	J
25.	C10H12 ISOMER	15.89	720	J
26.	BICYCLO[2.2.1]HEPTAN-2-ONE,	16.21	520	NJ
27.	C5-BENZENE ISOMER	16.26	220	J
28. 91-20-3	NAPHTHALENE	16.59	1600	NJ
29.	UNKNOWN	19.23	150	J
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS28B35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383010

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8429

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 35

Date Analyzed: 12/07/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	15	U
74-83-9-----	Bromomethane	15	U
75-01-4-----	Vinyl Chloride	15	U
75-00-3-----	Chloroethane	15	U
75-09-2-----	Methylene Chloride	15	U
67-64-1-----	Acetone	39	B ^S
75-15-0-----	Carbon Disulfide	15	U
75-35-4-----	1,1-Dichloroethene	15	U
75-34-3-----	1,1-Dichloroethane	15	U
540-59-0-----	1,2-Dichloroethene (Total)	15	U
67-66-3-----	Chloroform	15	U
107-06-2-----	1,2-Dichloroethane	15	U
78-93-3-----	2-Butanone	15	U
71-55-6-----	1,1,1-Trichloroethane	15	U
56-23-5-----	Carbon Tetrachloride	15	U
75-27-4-----	Bromodichloromethane	15	U
78-87-5-----	1,2-Dichloropropane	15	U
10061-01-5-----	cis-1,3-Dichloropropene	15	U
79-01-6-----	Trichloroethene	15	U
124-48-1-----	Dibromochloromethane	15	U
79-00-5-----	1,1,2-Trichloroethane	15	U
71-43-2-----	Benzene	15	U
10061-02-6-----	trans-1,3-Dichloropropene	15	U
75-25-2-----	Bromoform	15	U
108-10-1-----	4-Methyl-2-Pentanone	15	U
591-78-6-----	2-Hexanone	15	U
127-18-4-----	Tetrachloroethene	15	U
79-34-5-----	1,1,2,2-Tetrachloroethane	15	U ^J
108-88-3-----	Toluene	15	U
108-90-7-----	Chlorobenzene	15	U
100-41-4-----	Ethylbenzene	2	J
100-42-5-----	Styrene	15	U
1330-20-7-----	Xylene (Total)	19	

FORM I VOA

GGT
3/15/00

001 13

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS28B35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383010

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8429

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 35

Date Analyzed: 12/07/99

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.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS28B35MS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383015

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8432

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 35

Date Analyzed: 12/07/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
			Q
74-87-3	Chloromethane	15	U
74-83-9	Bromomethane	15	U
75-01-4	Vinyl Chloride	15	U
75-00-3	Chloroethane	15	U
75-09-2	Methylene Chloride	15	U
67-64-1	Acetone	65	B
75-15-0	Carbon Disulfide	15	U
75-35-4	1,1-Dichloroethene	53	
75-34-3	1,1-Dichloroethane	15	U
540-59-0	1,2-Dichloroethene (Total)	15	U
67-66-3	Chloroform	15	U
107-06-2	1,2-Dichloroethane	15	U
78-93-3	2-Butanone	15	U
71-55-6	1,1,1-Trichloroethane	15	U
56-23-5	Carbon Tetrachloride	15	U
75-27-4	Bromodichloromethane	15	U
78-87-5	1,2-Dichloropropane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
79-01-6	Trichloroethene	61	
124-48-1	Dibromochloromethane	15	U
79-00-5	1,1,2-Trichloroethane	15	U
71-43-2	Benzene	74	
10061-02-6	trans-1,3-Dichloropropene	15	U
75-25-2	Bromoform	15	U
108-10-1	4-Methyl-2-Pentanone	15	U
591-78-6	2-Hexanone	15	U
127-18-4	Tetrachloroethene	15	U
79-34-5	1,1,2,2-Tetrachloroethane	15	U
108-88-3	Toluene	84	
108-90-7	Chlorobenzene	69	
100-41-4	Ethylbenzene	2	J
100-42-5	Styrene	15	U
1330-20-7	Xylene (Total)	16	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS28B35MSD

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383016

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8433

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 35

Date Analyzed: 12/07/99

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
74-87-3	Chloromethane	15	U	
74-83-9	Bromomethane	15	U	
75-01-4	Vinyl Chloride	15	U	
75-00-3	Chloroethane	15	U	
75-09-2	Methylene Chloride	15	U	
67-64-1	Acetone	94	B	
75-15-0	Carbon Disulfide	15	U	
75-35-4	1,1-Dichloroethene	47		
75-34-3	1,1-Dichloroethane	15	U	
540-59-0	1,2-Dichloroethene (Total)	15	U	
67-66-3	Chloroform	15	U	
107-06-2	1,2-Dichloroethane	15	U	
78-93-3	2-Butanone	15	U	
71-55-6	1,1,1-Trichloroethane	15	U	
56-23-5	Carbon Tetrachloride	15	U	
75-27-4	Bromodichloromethane	15	U	
78-87-5	1,2-Dichloropropane	15	U	
10061-01-5	cis-1,3-Dichloropropene	15	U	
79-01-6	Trichloroethene	60		
124-48-1	Dibromochloromethane	15	U	
79-00-5	1,1,2-Trichloroethane	15	U	
71-43-2	Benzene	79		
10061-02-6	trans-1,3-Dichloropropene	15	U	
75-25-2	Bromoform	15	U	
108-10-1	4-Methyl-2-Pentanone	15	U	
591-78-6	2-Hexanone	15	U	
127-18-4	Tetrachloroethene	2	J	
79-34-5	1,1,2,2-Tetrachloroethane	15	U	
108-88-3	Toluene	89		
108-90-7	Chlorobenzene	70		
100-41-4	Ethylbenzene	3	J	
100-42-5	Styrene	15	U	
1330-20-7	Xylene (Total)	23		

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS28D35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383009

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V2C8031

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 14

Date Analyzed: 12/08/99

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

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11 U	
74-83-9	Bromomethane	11 U	
75-01-4	Vinyl Chloride	11 U	
75-00-3	Chloroethane	11 U	
75-09-2	Methylene Chloride	11 U	
67-64-1	Acetone	11 U	
75-15-0	Carbon Disulfide	11 U	
75-35-4	1,1-Dichloroethene	11 U	
75-34-3	1,1-Dichloroethane	11 U	
540-59-0	1,2-Dichloroethene (Total)	11 U	
67-66-3	Chloroform	11 U	
107-06-2	1,2-Dichloroethane	11 U	
78-93-3	2-Butanone	11 U	
71-55-6	1,1,1-Trichloroethane	11 U	
56-23-5	Carbon Tetrachloride	11 U	
75-27-4	Bromodichloromethane	11 U	
78-87-5	1,2-Dichloropropane	11 U	
10061-01-5	cis-1,3-Dichloropropene	11 U	
79-01-6	Trichloroethene	11 U	
124-48-1	Dibromochloromethane	11 U	
79-00-5	1,1,2-Trichloroethane	11 U	
71-43-2	Benzene	11 U	
10061-02-6	trans-1,3-Dichloropropene	11 U	
75-25-2	Bromoform	11 U	
108-10-1	4-Methyl-2-Pentanone	11 U	
591-78-6	2-Hexanone	11 U	
127-18-4	Tetrachloroethene	11 U	
79-34-5	1,1,2,2-Tetrachloroethane	11 U	
108-88-3	Toluene	4 J	
108-90-7	Chlorobenzene	11 U	
100-41-4	Ethylbenzene	5 J	
100-42-5	Styrene	11 U	
1330-20-7	Xylene (Total)	41	

FORM I VOA

3/13/00

000 17

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS28D35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383009

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V2C8031

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 14

Date Analyzed: 12/08/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

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.	C3-BENZENE ISOMER	13.14	8	J
2.	C3-BENZENE ISOMER	13.68	7	J
3.				
4.				
5.				
6.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS30B12

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383006

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8425

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 13

Date Analyzed: 12/07/99

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) UG/KG	Q
74-87-3	-----Chloromethane	11	U
74-83-9	-----Bromomethane	11	U
75-01-4	-----Vinyl Chloride	11	U
75-00-3	-----Chloroethane	11	U
75-09-2	-----Methylene Chloride	11	U
67-64-1	-----Acetone	12	U
75-15-0	-----Carbon Disulfide	11	U
75-35-4	-----1,1-Dichloroethene	11	U
75-34-3	-----1,1-Dichloroethane	11	U
540-59-0	-----1,2-Dichloroethene (Total)	11	U
67-66-3	-----Chloroform	11	U
107-06-2	-----1,2-Dichloroethane	11	U
78-93-3	-----2-Butanone	11	U
71-55-6	-----1,1,1-Trichloroethane	11	U
56-23-5	-----Carbon Tetrachloride	11	U
75-27-4	-----Bromodichloromethane	11	U
78-87-5	-----1,2-Dichloropropane	11	U
10061-01-5	-----cis-1,3-Dichloropropene	11	U
79-01-6	-----Trichloroethene	11	U
124-48-1	-----Dibromochloromethane	11	U
79-00-5	-----1,1,2-Trichloroethane	11	U
71-43-2	-----Benzene	11	U
10061-02-6	-----trans-1,3-Dichloropropene	11	U
75-25-2	-----Bromoform	11	U
108-10-1	-----4-Methyl-2-Pentanone	11	U
591-78-6	-----2-Hexanone	11	U
127-18-4	-----Tetrachloroethene	11	U
79-34-5	-----1,1,2,2-Tetrachloroethane	11	U
108-88-3	-----Toluene	11	U
108-90-7	-----Chlorobenzene	9	J
100-41-4	-----Ethylbenzene	11	U
100-42-5	-----Styrene	11	U
1330-20-7	-----Xylene (Total)	4	J

FORM I VOA

660
3/15/00

660020

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS30B12

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383006

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8425

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 13

Date Analyzed: 12/07/99

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.	C3-BENZENE ISOMER	14.18	7	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS30B35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383003

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V2C8028

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 22

Date Analyzed: 12/08/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
			Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	12	U
67-64-1	Acetone	3	JS
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (Total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	1	J
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	10	J
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	6	J
100-42-5	Styrene	12	U
1330-20-7	Xylene (Total)	46	

FORM I VOA

605
3/15/00
63031

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS30B35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383003

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V2C8028

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 22

Date Analyzed: 12/08/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

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.	C3-BENZENE ISOMER	13.14	6	J
2.	C3-BENZENE ISOMER	13.68	8	J
3.				
4.				
5.				
6.				
7.				
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10.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS30C3.5

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383008

Sample wt/vol: 2.5 (g/mL) G

Lab File ID: V1C8427

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 23

Date Analyzed: 12/07/99

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

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	26	U
74-83-9-----	Bromomethane	26	U
75-01-4-----	Vinyl Chloride	26	U
75-00-3-----	Chloroethane	26	U
75-09-2-----	Methylene Chloride	7	J
67-64-1-----	Acetone	98	BS
75-15-0-----	Carbon Disulfide	16	J
75-35-4-----	1,1-Dichloroethene	26	U
75-34-3-----	1,1-Dichloroethane	26	U
540-59-0-----	1,2-Dichloroethene (Total)	26	U
67-66-3-----	Chloroform	26	U
107-06-2-----	1,2-Dichloroethane	26	U
78-93-3-----	2-Butanone	33	
71-55-6-----	1,1,1-Trichloroethane	26	U
56-23-5-----	Carbon Tetrachloride	26	U
75-27-4-----	Bromodichloromethane	26	U
78-87-5-----	1,2-Dichloropropane	26	U
10061-01-5-----	cis-1,3-Dichloropropene	26	U
79-01-6-----	Trichloroethene	26	U
124-48-1-----	Dibromochloromethane	26	U
79-00-5-----	1,1,2-Trichloroethane	26	U
71-43-2-----	Benzene	26	U
10061-02-6-----	trans-1,3-Dichloropropene	26	U
75-25-2-----	Bromoform	26	U
108-10-1-----	4-Methyl-2-Pentanone	26	U
591-78-6-----	2-Hexanone	26	U
127-18-4-----	Tetrachloroethene	26	U
79-34-5-----	1,1,2,2-Tetrachloroethane	26	U
108-88-3-----	Toluene	25	J
108-90-7-----	Chlorobenzene	290	
100-41-4-----	Ethylbenzene	88	
100-42-5-----	Styrene	26	U
1330-20-7-----	Xylene (Total)	400	

FORM I VOA

CAF
3/15/00

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS30C3.5

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383008

Sample wt/vol: 2.5 (g/mL) G

Lab File ID: V1C8427

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 23

Date Analyzed: 12/07/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 29

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 500-00-5	CYCLOHEXENE, 4-METHYL-1-(1-M	13.13	1100	NJ
2.	UNKNOWN ALKANE	13.30	100	J
3.	C3-BENZENE ISOMER	13.64	310	J
4.	UNKNOWN ALKANE	13.71	950	J
5.	C3-BENZENE ISOMER	13.98	120	J
6.	UNKNOWN ALKANE	14.06	140	J
7.	UNKNOWN	14.10	200	J
8.	C3-BENZENE ISOMER	14.18	350	J
9.	UNKNOWN ALKANE	14.41	150	J
10.	UNKNOWN	14.46	220	J
11.	UNKNOWN ALKANE	14.53	100	J
12.	UNKNOWN ALKANE	14.57	96	J
13.	BENZENE, DICHLORO ISOMER	14.62	300	J
14.	C3-BENZENE ISOMER	14.68	400	J
15.	C4-BENZENE ISOMER	14.91	220	J
16.	C4-BENZENE ISOMER	14.97	83	J
17.	UNKNOWN ALKANE	15.07	690	J
18.	C4-BENZENE ISOMER	15.19	94	J
19.	C4-BENZENE ISOMER	15.31	200	J
20.	C4-BENZENE ISOMER	15.40	130	J
21.	UNKNOWN	15.76	330	J
22.	UNKNOWN ALKANE	15.85	170	J
23.	C4-BENZENE ISOMER	15.91	110	J
24.	UNKNOWN ALKANE	15.96	160	J
25.	UNKNOWN ALKANE	16.27	220	J
26.	C4-BENZENE ISOMER	16.38	150	J
27.	UNKNOWN ALKANE	16.44	200	J
28.	UNKNOWN ALKANE	17.07	120	J
29. 91-20-3	NAPHTHALENE	17.11	140	NJ
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS30C35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383007

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8426

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 18

Date Analyzed: 12/07/99

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG
			Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	12	U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (Total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	3	J
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	2	J
100-42-5	Styrene	12	U
1330-20-7	Xylene (Total)	15	

FORM I VOA

600 35

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS30C35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383007

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8426

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. 18

Date Analyzed: 12/07/99

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.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB120199

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: 62383014

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2C8056

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. _____

Date Analyzed: 12/09/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB120199

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: 62383014

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2C8056

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. _____

Date Analyzed: 12/09/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK2SLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: V2L1208A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2C8013

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/08/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	2	JB
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	70	
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	63	
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	61	
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	55	
108-90-7-----	Chlorobenzene	53	
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK2ULCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: V2L1209A

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2C8053

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/09/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
74-87-3	Chloromethane	10	U	
74-83-9	Bromomethane	10	U	
75-01-4	Vinyl Chloride	10	U	
75-00-3	Chloroethane	10	U	
75-09-2	Methylene Chloride	10	U	
67-64-1	Acetone	10	U	
75-15-0	Carbon Disulfide	10	U	
75-35-4	1,1-Dichloroethene	48		
75-34-3	1,1-Dichloroethane	10	U	
540-59-0	1,2-Dichloroethene (Total)	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	2-Butanone	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
75-27-4	Bromodichloromethane	10	U	
78-87-5	1,2-Dichloropropane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
79-01-6	Trichloroethene	45		
124-48-1	Dibromochloromethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
71-43-2	Benzene	45		
10061-02-6	trans-1,3-Dichloropropene	10	U	
75-25-2	Bromoform	10	U	
108-10-1	4-Methyl-2-Pentanone	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
108-88-3	Toluene	45		
108-90-7	Chlorobenzene	44		
100-41-4	Ethylbenzene	10	U	
100-42-5	Styrene	10	U	
1330-20-7	Xylene (Total)	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP120199

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383012

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B2252

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 22 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG		Q
108-95-2	Phenol	420	U	
111-44-4	bis(-2-Chloroethyl) Ether	420	U	
95-57-8	2-Chlorophenol	420	U	
541-73-1	1,3-Dichlorobenzene	420	U	
106-46-7	1,4-Dichlorobenzene	420	U	
95-50-1	1,2-Dichlorobenzene	420	U	
95-48-7	2-Methylphenol	420	U	
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U	
106-44-5	4-Methylphenol	420	U	
621-64-7	N-Nitroso-di-n-propylamine	420	U	
67-72-1	Hexachloroethane	420	U	
98-95-3	Nitrobenzene	420	U	
78-59-1	Isophorone	420	U	
88-75-5	2-Nitrophenol	420	U	
105-67-9	2,4-Dimethyphenol	420	U	
120-83-2	2,4-Dichlorophenol	420	U	
120-82-1	1,2,4-Trichlorobenzene	420	U	
91-20-3	Naphthalene	420	U	
106-47-8	4-Chloroaniline	420	U	
111-91-1	bis(2-Chloroethoxy) methane	420	U	
87-68-3	Hexachlorobutadiene	420	U	
59-50-7	4-Chloro-3-methylphenol	420	U	
91-57-6	2-Methylnaphthalene	420	U	
77-47-4	Hexachlorocyclopentadiene	420	U	
88-06-2	2,4,6-Trichlorophenol	420	U	
95-95-4	2,4,5-Trichlorophenol	1000	U	
91-58-7	2-Chloronaphthalene	420	U	
88-74-4	2-Nitroaniline	1000	U	
131-11-3	Dimethylphthalate	420	U	
208-96-8	Acenaphthylene	420	U	
606-20-2	2,6-Dinitrotoluene	420	U	
99-09-2	3-Nitroaniline	1000	U	
83-32-9	Acenaphthene	420	U	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP120199

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383012

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B2252

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 22 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.5

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

CAS NO.	COMPOUND	Q
51-28-5-----	2,4-Dinitrophenol	1000 U
100-02-7-----	4-Nitrophenol	1000 U
132-64-9-----	Dibenzofuran	420 U
121-14-2-----	2,4-Dinitrotoluene	420 U
84-66-2-----	Diethylphthalate	420 U
7005-72-3-----	4-Chlorophenyl-phenylether	420 U
86-73-7-----	Fluorene	420 U
100-01-6-----	4-Nitroaniline	1000 U
534-52-1-----	4,6-Dinitro-2-methylphenol	1000 U
86-30-6-----	N-Nitrosodiphenylamine (1)	420 U
101-55-3-----	4-Bromophenyl-phenylether	420 U
118-74-1-----	Hexachlorobenzene	420 U
87-86-5-----	Pentachlorophenol	1000 U
85-01-8-----	Phenanthrene	420 U
120-12-7-----	Anthracene	420 U
86-74-8-----	Carbazole	420 U
84-74-2-----	Di-n-butylphthalate	420 U
206-44-0-----	Fluoranthene	420 U
129-00-0-----	Pyrene	420 U
85-68-7-----	Butylbenzylphthalate	420 U
91-94-1-----	3,3'-Dichlorobenzidine	420 U
56-55-3-----	Benzo(a)anthracene	420 U
218-01-9-----	Chrysene	420 U
117-81-7-----	bis(2-Ethylhexyl)phthalate	420 U
117-84-0-----	Di-n-octylphthalate	420 U
205-99-2-----	Benzo(b)fluoranthene	420 U
207-08-9-----	Benzo(k)fluoranthene	420 U
50-32-8-----	Benzo(a)pyrene	420 U
193-39-5-----	Indeno(1,2,3-cd)pyrene	420 U
53-70-3-----	Dibenzo(a,h)anthracene	420 U
191-24-2-----	Benzo(g,h,i)perylene	420 U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

EGF

3/16/00

000142

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP120199

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383012

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B2252

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 22 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 4.5

CONCENTRATION UNITS:

Number TICs found: 30

(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.25	390	JB
2. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	2.78	24000	ANJB
3.	UNKNOWN	3.74	360	JB
4. 3650-28-0	1,4-METHANO-1H-INDENE, OCTAH	9.91	210	NJ
5. 475-20-7	1,4-METHANOAZULENE, DECAHYDR	10.13	4400	NJ
6.	UNKNOWN	10.25	150	J
7.	UNKNOWN	11.84	120	J
8. 77-53-2	CEDROL	12.19	3700	NJ
9.	UNKNOWN	12.95	350	J
10.	UNKNOWN	14.74	180	J
11.	UNKNOWN ORGANIC ACID	15.25	290	J
12. 10544-50-0	SULFUR, MOL. (S8)	15.99	1200	NJ
13.	UNKNOWN	16.62	320	J
14.	UNKNOWN	17.63	440	J
15. 511-15-9	2-PHENANTHRENOL, 4B,5,6,7,8,	17.84	1600	NJ
16.	UNKNOWN	17.94	740	J
17.	UNKNOWN	18.23	160	J
18.	UNKNOWN	19.07	490	J
19.	UNKNOWN	19.34	280	J
20.	UNKNOWN ORGANIC ACID	19.59	370	J
21.	UNKNOWN	19.98	1200	J
22.	UNKNOWN	20.39	510	J
23.	UNKNOWN ALKANE	21.58	1100	J
24.	UNKNOWN ALKANE	22.69	2100	J
25.	UNKNOWN	23.28	350	J
26. 83-48-7	STIGMASTEROL	23.42	290	NJ
27. 83-47-6	.GAMMA.-SITOSTEROL	23.76	4400	NJ
28.	UNKNOWN	24.17	390	J
29. 1058-61-3	STIGMAST-4-EN-3-ONE	24.39	540	NJ
30.	UNKNOWN	24.95	2300	J

FORM I SV-TIC

ECF
3/16/00

000043

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB120199

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: 62383013

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B1878

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/03/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/14/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

FORM I SV-1

000044

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB120199

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: 62383013

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B1878

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/03/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/14/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis (2-Ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a, h) anthracene	10	U
191-24-2-----	Benzo (g, h, i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB120199

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: 62383013

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B1878

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/03/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/14/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.98	5	J
2. 118-93-4	ETHANONE, 1-(2-HYDROXYPHENYL	12.57	15	NJ
3. 80-05-7	PHENOL, 4,4'-(1-METHYLETHYL	19.26	19	NJ
4.				
5.				
6.				
7.				
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30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS24A11

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383002

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B2256

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 69

decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1100	U
111-44-4	bis(-2-Chloroethyl) Ether	1100	U
95-57-8	2-Chlorophenol	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1600	
95-50-1	1,2-Dichlorobenzene	1100	U
95-48-7	2-Methylphenol	1100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1100	U
106-44-5	4-Methylphenol	1100	U
621-64-7	N-Nitroso-di-n-propylamine	1100	U
67-72-1	Hexachloroethane	1100	U
98-95-3	Nitrobenzene	1100	U
78-59-1	Isophorone	1100	U
88-75-5	2-Nitrophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
120-82-1	1,2,4-Trichlorobenzene	1100	U
91-20-3	Naphthalene	5800	
106-47-8	4-Chloroaniline	1100	U
111-91-1	bis(2-Chloroethoxy) methane	1100	U
87-68-3	Hexachlorobutadiene	1100	U
59-50-7	4-Chloro-3-methylphenol	1100	U
91-57-6	2-Methylnaphthalene	1500	
77-47-4	Hexachlorocyclopentadiene	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
95-95-4	2,4,5-Trichlorophenol	2600	U
91-58-7	2-Chloronaphthalene	1100	U
88-74-4	2-Nitroaniline	2600	U
131-11-3	Dimethylphthalate	1100	U
208-96-8	Acenaphthylene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
99-09-2	3-Nitroaniline	2600	U
83-32-9	Acenaphthene	1100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS24A11

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383002

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B2256

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 69 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

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

51-28-5-----	2,4-Dinitrophenol	2600	U
100-02-7-----	4-Nitrophenol	2600	U
132-64-9-----	Dibenzofuran	1100	U
121-14-2-----	2,4-Dinitrotoluene	1100	U
84-66-2-----	Diethylphthalate	1400	
7005-72-3-----	4-Chlorophenyl-phenylether	1100	U
86-73-7-----	Fluorene	1100	U
100-01-6-----	4-Nitroaniline	2600	U
534-52-1-----	4,6-Dinitro-2-methylphenol	2600	U
86-30-6-----	N-Nitrosodiphenylamine (1)	1100	U
101-55-3-----	4-Bromophenyl-phenylether	1100	U
118-74-1-----	Hexachlorobenzene	1100	U
87-86-5-----	Pentachlorophenol	2600	U
85-01-8-----	Phenanthrene	1100	U
120-12-7-----	Anthracene	1100	U
86-74-8-----	Carbazole	1100	U
84-74-2-----	Di-n-butylphthalate	1100	U
206-44-0-----	Fluoranthene	1100	U
129-00-0-----	Pyrene	1100	U
85-68-7-----	Butylbenzylphthalate	1100	U
91-94-1-----	3,3'-Dichlorobenzidine	1100	U
56-55-3-----	Benzo(a) anthracene	1100	U
218-01-9-----	Chrysene	1100	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	20000	E
117-84-0-----	Di-n-octylphthalate	1500	
205-99-2-----	Benzo(b) fluoranthene	1100	U
207-08-9-----	Benzo(k) fluoranthene	1100	U
50-32-8-----	Benzo(a) pyrene	1100	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	1100	U
53-70-3-----	Dibenzo(a,h) anthracene	1100	U
191-24-2-----	Benzo(g,h,i) perylene	260	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

000048

use results from
calculated sample
analysis
SS24A11DL

RE

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS24A11

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383002

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B2256

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 69 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.4

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~2.79~~	~~19000~~	~~ANJB~~
2.	C2-BENZENE ISOMER	2.85	610	J
3.	C2-BENZENE ISOMER	3.01	2200	J
4. 100-42-5	STYRENE	3.34	1200	NJ
5.	UNKNOWN	3.63	570	JB
6.	C3-BENZENE ISOMER	3.82	1100	J
7.	UNKNOWN ALKANE	4.00	2600	J
8. 103-65-1	BENZENE, PROPYL-	4.29	1900	NJ
9.	C3-BENZENE ISOMER	4.45	2400	J
10.	C3-BENZENE ISOMER	4.56	1000	J
11. 6069-98-3	CYCLOHEXANE, 1-METHYL-4-(1-M	4.68	4700	NJ
12.	C3-BENZENE ISOMER	4.96	15000	J
13.	UNKNOWN	5.31	4100	J
14.	UNKNOWN	5.74	2600	J
15.	C4-BENZENE ISOMER	5.81	2700	J
16.	UNKNOWN	5.92	1600	J
17.	C4-BENZENE ISOMER	6.10	3600	J
18.	UNKNOWN	6.43	2200	J
19.	C4-BENZENE ISOMER	6.67	5300	J
20.	UNKNOWN	6.88	1400	J
21.	UNKNOWN	7.04	2600	J
22.	UNKNOWN	7.19	1600	J
23.	UNKNOWN	7.28	2500	JB
24.	C5-BENZENE ISOMER	7.65	930	J
25. 92-52-4	BIPHENYL	9.80	2700	NJ
26.	UNKNOWN	10.09	3600	J
27.	UNKNOWN	10.71	4800	J
28.	UNKNOWN	12.16	1900	J
29.	UNKNOWN ALKANE	22.79	27000	J
30.	UNKNOWN ALKANE	23.28	88000	J

FORM I SV-TIC

60F
3/10/00
000-40

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS24A11DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383002DL

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B2324

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 69

decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y

pH: 7.4

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

CAS NO.

COMPOUND

Q

108-95-2	Phenol	4200	U
111-44-4	bis(-2-Chloroethyl) Ether	4200	U
95-57-8	2-Chlorophenol	4200	U
541-73-1	1,3-Dichlorobenzene	4200	U
106-46-7	1,4-Dichlorobenzene	2000	DJ
95-50-1	1,2-Dichlorobenzene	980	DJ
95-48-7	2-Methylphenol	4200	U
108-60-1	2,2'-oxybis(1-Chloropropane)	4200	U
106-44-5	4-Methylphenol	4200	U
621-64-7	N-Nitroso-di-n-propylamine	4200	U
67-72-1	Hexachloroethane	4200	U
98-95-3	Nitrobenzene	4200	U
78-59-1	Isophorone	4200	U
88-75-5	2-Nitrophenol	4200	U
105-67-9	2,4-Dimethyphenol	4200	U
120-83-2	2,4-Dichlorophenol	4200	U
120-82-1	1,2,4-Trichlorobenzene	4200	U
91-20-3	Naphthalene	6900	D
106-47-8	4-Chloroaniline	4200	U
111-91-1	bis(2-Chloroethoxy)methane	4200	U
87-68-3	Hexachlorobutadiene	4200	U
59-50-7	4-Chloro-3-methylphenol	4200	U
91-57-6	2-Methylnaphthalene	2000	DJ
77-47-4	Hexachlorocyclopentadiene	4200	U
88-06-2	2,4,6-Trichlorophenol	4200	U
95-95-4	2,4,5-Trichlorophenol	11000	U
91-58-7	2-Chloronaphthalene	4200	U
88-74-4	2-Nitroaniline	11000	U
131-11-3	Dimethylphthalate	4200	U
208-96-8	Acenaphthylene	4200	U
606-20-2	2,6-Dinitrotoluene	4200	U
99-09-2	3-Nitroaniline	11000	U
83-32-9	Acenaphthene	4200	U

Use
Resets
from
Original
Undisturbed
analysis

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS24A11DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383002DL

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B2324

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 69 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	11000	U
100-02-7	4-Nitrophenol	11000	U
132-64-9	Dibenzofuran	4200	U
121-14-2	2,4-Dinitrotoluene	4200	U
84-66-2	Diethylphthalate	1100	DJ
7005-72-3	4-Chlorophenyl-phenylether	4200	U
86-73-7	Fluorene	4200	U
100-01-6	4-Nitroaniline	11000	U
534-52-1	4,6-Dinitro-2-methylphenol	11000	U
86-30-6	N-Nitrosodiphenylamine (1)	4200	U
101-55-3	4-Bromophenyl-phenylether	4200	U
118-74-1	Hexachlorobenzene	4200	U
87-86-5	Pentachlorophenol	11000	U
85-01-8	Phenanthrene	4200	U
120-12-7	Anthracene	4200	U
86-74-8	Carbazole	4200	U
84-74-2	Di-n-butylphthalate	4200	U
206-44-0	Fluoranthene	2200	DJ
129-00-0	Pyrene	2700	DJ
85-68-7	Butylbenzylphthalate	5200	D
91-94-1	3,3'-Dichlorobenzidine	4200	U
56-55-3	Benzo(a)anthracene	4200	U
218-01-9	Chrysene	4200	U
117-81-7	bis(2-Ethylhexyl)phthalate	28000	D
117-84-0	Di-n-octylphthalate	2600	DJ
205-99-2	Benzo(b)fluoranthene	4200	U
207-08-9	Benzo(k)fluoranthene	4200	U
50-32-8	Benzo(a)pyrene	850	DJ
193-39-5	Indeno(1,2,3-cd)pyrene	450	DJ
53-70-3	Dibenzo(a,h)anthracene	4200	U
191-24-2	Benzo(g,h,i)perylene	490	DJ

(1) - Cannot be separated from Diphenylamine

only use these results

66F

3/14/00

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS24A11DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383002DL

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B2324

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 69 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 7.4

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	2.32	64000	ANJD
2. 6069-98-3	CYCLOHEXANE, 1-METHYL-4-(1-M	4.34	16000	NJD
3.	UNKNOWN ALKANE	5.60	8600	JD
4.	C4-BENZENE ISOMER	5.77	15000	JD
5.	C4-BENZENE ISOMER	6.32	7500	JD
6.	UNKNOWN ALKANE	6.86	3600	JD
7. 92-52-4	BIPHENYL	9.45	7300	NJD
8.	UNKNOWN	10.20	6700	JD
9.	UNKNOWN	10.32	6400	JD
10.	UNKNOWN	12.41	5400	JD
11.	UNKNOWN ALKANE	12.71	6400	JD
12.	UNKNOWN	12.82	5100	JD
13.	UNKNOWN ORGANIC ACID	15.05	18000	JD
14.	UNKNOWN	15.38	7600	JD
15.	UNKNOWN	15.98	40000	JD
16.	UNKNOWN	16.41	21000	JD
17.	UNKNOWN ORGANIC ACID	16.57	38000	JD
18.	C4-PHENANTHRENE ISOMER	16.87	190000	JD
19.	UNKNOWN ALKANE	17.56	260000	JD
20.	UNKNOWN ALKANE	18.27	330000	JD
21.	UNKNOWN ALKANE	18.95	120000	JD
22.	UNKNOWN ALKANE	19.58	270000	JD
23.	UNKNOWN ALKANE	20.19	190000	JD
24.	UNKNOWN ALKANE	20.77	120000	JD
25.	UNKNOWN ALKANE	21.32	36000	JD
26.	UNKNOWN ALKANE	21.86	83000	JD
27.	UNKNOWN ALKANE	22.20	55000	JD
28.	UNKNOWN ALKANE	22.39	120000	JD
29.	UNKNOWN ALKANE	22.90	94000	JD
30.	UNKNOWN ALKANE	23.40	260000	JD

26F
3/4/00 000152

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS24B35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383001

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S1B2245

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 20 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

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

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	420	U
111-44-4-----	bis(-2-Chloroethyl) Ether	420	U
95-57-8-----	2-Chlorophenol	420	U
541-73-1-----	1,3-Dichlorobenzene	420	U
106-46-7-----	1,4-Dichlorobenzene	420	U
95-50-1-----	1,2-Dichlorobenzene	420	U
95-48-7-----	2-Methylphenol	420	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	420	U
106-44-5-----	4-Methylphenol	420	U
621-64-7-----	N-Nitroso-di-n-propylamine	420	U
67-72-1-----	Hexachloroethane	420	U
98-95-3-----	Nitrobenzene	420	U
78-59-1-----	Isophorone	420	U
88-75-5-----	2-Nitrophenol	420	U
105-67-9-----	2,4-Dimethyphenol	420	U
120-83-2-----	2,4-Dichlorophenol	420	U
120-82-1-----	1,2,4-Trichlorobenzene	420	U
91-20-3-----	Naphthalene	420	U
106-47-8-----	4-Chloroaniline	420	U
111-91-1-----	bis(2-Chloroethoxy)methane	420	U
87-68-3-----	Hexachlorobutadiene	420	U
59-50-7-----	4-Chloro-3-methylphenol	420	U
91-57-6-----	2-Methylnaphthalene	420	U
77-47-4-----	Hexachlorocyclopentadiene	420	U
88-06-2-----	2,4,6-Trichlorophenol	420	U
95-95-4-----	2,4,5-Trichlorophenol	1000	U
91-58-7-----	2-Chloronaphthalene	420	U
88-74-4-----	2-Nitroaniline	1000	U
131-11-3-----	Dimethylphthalate	420	U
208-96-8-----	Acenaphthylene	420	U
606-20-2-----	2,6-Dinitrotoluene	420	U
99-09-2-----	3-Nitroaniline	1000	U
83-32-9-----	Acenaphthene	420	U

FORM I SV-1

001 83

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS24B35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383001

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S1B2245

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 20 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500(uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

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

51-28-5-----	2,4-Dinitrophenol	1000	U
100-02-7-----	4-Nitrophenol	1000	U
132-64-9-----	Dibenzofuran	420	U
121-14-2-----	2,4-Dinitrotoluene	420	U
84-66-2-----	Diethylphthalate	420	U
7005-72-3-----	4-Chlorophenyl-phenylether	420	U
86-73-7-----	Fluorene	420	U
100-01-6-----	4-Nitroaniline	1000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	420	U
101-55-3-----	4-Bromophenyl-phenylether	420	U
118-74-1-----	Hexachlorobenzene	420	U
87-86-5-----	Pentachlorophenol	1000	U
85-01-8-----	Phenanthrene	420	U
120-12-7-----	Anthracene	420	U
86-74-8-----	Carbazole	420	U
84-74-2-----	Di-n-butylphthalate	420	U
206-44-0-----	Fluoranthene	420	U
129-00-0-----	Pyrene	420	U
85-68-7-----	Butylbenzylphthalate	420	U
91-94-1-----	3,3'-Dichlorobenzidine	420	U
56-55-3-----	Benzo(a)anthracene	420	U
218-01-9-----	Chrysene	420	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	420	U
117-84-0-----	Di-n-octylphthalate	420	U
205-99-2-----	Benzo(b)fluoranthene	420	U
207-08-9-----	Benzo(k)fluoranthene	420	U
50-32-8-----	Benzo(a)pyrene	420	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	420	U
53-70-3-----	Dibenzo(a,h)anthracene	420	U
191-24-2-----	Benzo(g,h,i)perylene	420	U

(1) - Cannot be separated from Diphenylamine

666
3/16/00

666 55

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS24B35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383001

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S1B2245

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 20 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.6

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.25	340	JB
2. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	2.73	15000	ANJB
3.	UNKNOWN	3.73	400	JB
4. 14347-78-5	(R) - (-) -2,2-DIMETHYL-1,3-DIO	4.09	330	NJ
5.	UNKNOWN	7.27	370	JB
6.	UNKNOWN	15.07	290	J
7.	UNKNOWN ORGANIC ACID	15.25	450	J
8.	UNKNOWN ALKANE	15.54	250	J
9.	UNKNOWN ESTER	16.35	1000	J
10.	UNKNOWN ORGANIC ACID	16.69	1200	J
11. 2765-11-9	PENTADECANAL-	17.97	300	NJ
12.	UNKNOWN ORGANIC ACID	18.28	930	J
13.	UNKNOWN KETONE	18.54	230	J
14.	UNKNOWN ORGANIC ACID	18.99	2300	J
15. 295-65-8	CYCLOHEXADECANE,	19.11	200	NJ
16.	UNKNOWN KETONE	19.22	410	J
17.	UNKNOWN ESTER	19.33	300	J
18.	UNKNOWN ORGANIC ACID	19.70	5600	J
19.	UNKNOWN	20.16	610	J
20.	UNKNOWN ORGANIC ACID	20.27	1200	J
21. 502-26-1	2 (3H) -FURANONE, DIHYDRO-5-TE	20.62	340	NJ
22.	UNKNOWN ORGANIC ACID	20.89	1700	J
23.	UNKNOWN ALKENE	21.59	230	J
24.	UNKNOWN	21.84	1200	J
25.	UNKNOWN	22.55	2100	J
26.	UNKNOWN	22.96	780	J
27.	UNKNOWN	23.40	1700	J
28.	UNKNOWN	23.73	3400	J
29.	UNKNOWN	24.38	460	J
30.	UNKNOWN	24.92	1900	J

FORM I SV-TIC

665 3/14/00

000 35

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS26A35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383004

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B2244

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 19 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.2

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

CAS NO.	COMPOUND	Q
108-95-2	Phenol	410 U
111-44-4	bis(-2-Chloroethyl) Ether	410 U
95-57-8	2-Chlorophenol	410 U
541-73-1	1,3-Dichlorobenzene	410 U
106-46-7	1,4-Dichlorobenzene	110 J
95-50-1	1,2-Dichlorobenzene	410 U
95-48-7	2-Methylphenol	410 U
108-60-1	2,2'-oxybis(1-Chloropropane)	410 U
106-44-5	4-Methylphenol	410 U
621-64-7	N-Nitroso-di-n-propylamine	410 U
67-72-1	Hexachloroethane	410 U
98-95-3	Nitrobenzene	410 U
78-59-1	Isophorone	410 U
88-75-5	2-Nitrophenol	410 U
105-67-9	2,4-Dimethyphenol	410 U
120-83-2	2,4-Dichlorophenol	410 U
120-82-1	1,2,4-Trichlorobenzene	410 U
91-20-3	Naphthalene	70 J
106-47-8	4-Chloroaniline	410 U
111-91-1	bis(2-Chloroethoxy) methane	410 U
87-68-3	Hexachlorobutadiene	410 U
59-50-7	4-Chloro-3-methylphenol	410 U
91-57-6	2-Methylnaphthalene	410 U
77-47-4	Hexachlorocyclopentadiene	410 U
88-06-2	2,4,6-Trichlorophenol	410 U
95-95-4	2,4,5-Trichlorophenol	1000 U
91-58-7	2-Chloronaphthalene	410 U
88-74-4	2-Nitroaniline	1000 U
131-11-3	Dimethylphthalate	410 U
208-96-8	Acenaphthylene	410 U
606-20-2	2,6-Dinitrotoluene	410 U
99-09-2	3-Nitroaniline	1000 U
83-32-9	Acenaphthene	410 U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS26A35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383004

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B2244

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 19 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.2

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	1000	U
100-02-7-----	4-Nitrophenol	1000	U
132-64-9-----	Dibenzofuran	410	U
121-14-2-----	2,4-Dinitrotoluene	410	U
84-66-2-----	Diethylphthalate	410	U
7005-72-3-----	4-Chlorophenyl-phenylether	410	U
86-73-7-----	Fluorene	410	U
100-01-6-----	4-Nitroaniline	1000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	410	U
101-55-3-----	4-Bromophenyl-phenylether	410	U
118-74-1-----	Hexachlorobenzene	410	U
87-86-5-----	Pentachlorophenol	1000	U
85-01-8-----	Phenanthrene	410	U
120-12-7-----	Anthracene	410	U
86-74-8-----	Carbazole	410	U
84-74-2-----	Di-n-butylphthalate	410	U
206-44-0-----	Fluoranthene	410	U
129-00-0-----	Pyrene	410	U
85-68-7-----	Butylbenzylphthalate	410	U
91-94-1-----	3,3'-Dichlorobenzidine	410	U
56-55-3-----	Benzo(a)anthracene	410	U
218-01-9-----	Chrysene	410	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	410	U
117-84-0-----	Di-n-octylphthalate	410	U
205-99-2-----	Benzo(b)fluoranthene	410	U
207-08-9-----	Benzo(k)fluoranthene	410	U
50-32-8-----	Benzo(a)pyrene	410	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	410	U
53-70-3-----	Dibenzo(a,h)anthracene	410	U
191-24-2-----	Benzo(g,h,i)perylene	410	U

(1) - Cannot be separated from Diphenylamine

GGF
3/16/00

000037

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS26A35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383004

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S1B2244

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 19 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.2

CONCENTRATION UNITS:

Number TICs found: 30

(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.25	320	JB R
2. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	2.76	21000	ANJB R
3.	UNKNOWN	3.72	340	JB R
4.	UNKNOWN	14.42	330	J
5.	UNKNOWN ORGANIC ACID	15.07	210	J
6.	UNKNOWN ORGANIC ACID	15.26	490	J
7.	UNKNOWN ORGANIC ACID	15.74	230	J
8. 10544-50-0	SULFUR, MOL. (S8)	15.95	460	NJ
9.	UNKNOWN	16.05	120	J
10.	UNKNOWN ESTER	16.35	180	J
11.	UNKNOWN ORGANIC ACID	16.72	3600	J
12.	UNKNOWN ORGANIC ACID	16.84	400	J
13.	UNKNOWN	17.11	140	J
14.	UNKNOWN ORGANIC ACID	17.43	350	J
15.	UNKNOWN ORGANIC ACID	18.23	190	J
16.	UNKNOWN ALKENE	19.11	150	J
17.	UNKNOWN ALCOHOL	20.39	360	J
18.	UNKNOWN	20.85	540	J
19.	UNKNOWN ALKANE	21.00	170	J
20.	UNKNOWN	21.58	660	J
21.	UNKNOWN	21.94	300	J
22.	UNKNOWN	22.53	750	J
23.	UNKNOWN ALKANE	22.67	320	J
24. 83-48-7	STIGMASTEROL	23.43	520	NJ
25.	UNKNOWN	23.72	3100	J
26.	UNKNOWN	23.91	1600	J
27.	UNKNOWN	24.38	1100	J
28.	UNKNOWN	24.71	3000	J
29.	UNKNOWN	25.11	1500	J
30.	UNKNOWN	25.71	2400	J

FORM I SV-TIC

CCF 3/16/00

000 54

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS26A6

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383005

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S1B2254

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 46 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.7

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

CAS NO.

COMPOUND

Q

108-95-2-----Phenol	620	U
111-44-4-----bis(-2-Chloroethyl) Ether	620	U
95-57-8-----2-Chlorophenol	620	U
541-73-1-----1,3-Dichlorobenzene	620	U
106-46-7-----1,4-Dichlorobenzene	1200	
95-50-1-----1,2-Dichlorobenzene	620	U
95-48-7-----2-Methylphenol	620	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	620	U
106-44-5-----4-Methylphenol	180	J
621-64-7-----N-Nitroso-di-n-propylamine	620	U
67-72-1-----Hexachloroethane	620	U
98-95-3-----Nitrobenzene	620	U
78-59-1-----Isophorone	620	U
88-75-5-----2-Nitrophenol	620	U
105-67-9-----2,4-Dimethylphenol	620	U
120-83-2-----2,4-Dichlorophenol	620	U
120-82-1-----1,2,4-Trichlorobenzene	310	J
91-20-3-----Naphthalene	270	J
106-47-8-----4-Chloroaniline	620	U
111-91-1-----bis(2-Chloroethoxy)methane	620	U
87-68-3-----Hexachlorobutadiene	620	U
59-50-7-----4-Chloro-3-methylphenol	620	U
91-57-6-----2-Methylnaphthalene	190	J
77-47-4-----Hexachlorocyclopentadiene	620	U
88-06-2-----2,4,6-Trichlorophenol	620	U
95-95-4-----2,4,5-Trichlorophenol	1500	U
91-58-7-----2-Chloronaphthalene	620	U
88-74-4-----2-Nitroaniline	1500	U
131-11-3-----Dimethylphthalate	620	U
208-96-8-----Acenaphthylene	620	U
606-20-2-----2,6-Dinitrotoluene	620	U
99-09-2-----3-Nitroaniline	1500	U
83-32-9-----Acenaphthene	620	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS26A6

Lab Name: MITKEM CORPORATION Contract:
Lab Code: MITKEM Case No.: SAS No.: SDG No.: 62383
Matrix: (soil/water) SOIL Lab Sample ID: 62383005
Sample wt/vol: 30.1 (g/mL) G Lab File ID: S1B2254
Level: (low/med) LOW Date Received: 12/02/99
% Moisture: 46 decanted: (Y/N) N Date Extracted: 12/06/99
Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/03/00
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y pH: 5.7

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

51-28-5-----	2,4-Dinitrophenol	1500	U
100-02-7-----	4-Nitrophenol	1500	U
132-64-9-----	Dibenzofuran	620	U
121-14-2-----	2,4-Dinitrotoluene	620	U
84-66-2-----	Diethylphthalate	84	J
7005-72-3-----	4-Chlorophenyl-phenylether	620	U
86-73-7-----	Fluorene	620	U
100-01-6-----	4-Nitroaniline	1500	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1500	U
86-30-6-----	N-Nitrosodiphenylamine (1)	620	U
101-55-3-----	4-Bromophenyl-phenylether	620	U
118-74-1-----	Hexachlorobenzene	620	U
87-86-5-----	Pentachlorophenol	1500	U
85-01-8-----	Phenanthrene	92	J
120-12-7-----	Anthracene	620	U
86-74-8-----	Carbazole	620	U
84-74-2-----	Di-n-butylphthalate	110	J
206-44-0-----	Fluoranthene	620	U
129-00-0-----	Pyrene	620	U
85-68-7-----	Butylbenzylphthalate	130	J
91-94-1-----	3,3'-Dichlorobenzidine	620	U
56-55-3-----	Benzo(a)anthracene	620	U
218-01-9-----	Chrysene	620	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	5300	E
117-84-0-----	Di-n-octylphthalate	620	U
205-99-2-----	Benzo(b)fluoranthene	620	U
207-08-9-----	Benzo(k)fluoranthene	620	U
50-32-8-----	Benzo(a)pyrene	620	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	620	U
53-70-3-----	Dibenzo(a,h)anthracene	620	U
191-24-2-----	Benzo(g,h,i)perylene	620	U

(1) - Cannot be separated from Diphenylamine

use result from diluted analysis
SS26A6DL

66
2/10/00

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS26A6

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383005

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S1B2254

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 46 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.7

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

Number TICs found: 29

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	2.78	17000	ANJB
2.	UNKNOWN ALKANE	5.31	730	J
3.	UNKNOWN ALKANE	6.39	730	J
4.	C4-BENZENE ISOMER	6.59	810	J
5. 92-52-4	BIPHENYL	9.78	2000	NJ
6.	UNKNOWN ALKANE	12.49	940	J
7.	UNKNOWN ALKANE	13.02	1700	J
8. 20071-09-4	BENZENE, 1,1'-(1,2-CYCLOBUTA	13.42	1300	NJ
9.	UNKNOWN ALKANE	13.91	2700	J
10.	UNKNOWN ALKANE	14.77	2600	J
11.	UNKNOWN ORGANIC ACID	15.52	3800	J
12.	UNKNOWN ALKANE	15.61	1100	J
13.	UNKNOWN	16.38	11000	J
14.	UNKNOWN ALKANE	17.17	2000	J
15.	C4-PHENANTHRENE ISOMER	17.28	11000	J
16.	UNKNOWN ALKANE	17.88	12000	J
17.	UNKNOWN ALKANE	18.60	6900	J
18.	UNKNOWN	18.80	10000	J
19.	UNKNOWN	19.27	7500	J
20.	UNKNOWN ALKANE	19.90	9400	J
21.	UNKNOWN ALKANE	20.52	7100	J
22.	UNKNOWN ALKANE	21.11	4000	J
23.	UNKNOWN ALKANE	21.69	16000	J
24.	UNKNOWN ALKANE	22.24	13000	J
25. 80-97-7	CHOLESTANOL	22.63	7500	NJ
26.	UNKNOWN	22.82	16000	J
27.	UNKNOWN ALKANE	23.27	5800	J
28.	UNKNOWN	23.63	2300	J
29. 83-47-6	.GAMMA.-SITOSTEROL	23.81	6900	NJ
30.				

See F 2/18/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS26A6DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383005DL

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S1B2323

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 46 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500(uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0(uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 5.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1200	U
111-44-4	bis(-2-Chloroethyl) Ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	1300	D
95-50-1	1,2-Dichlorobenzene	1200	U
95-48-7	2-Methylphenol	1200	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1200	U
106-44-5	4-Methylphenol	170	DJ
621-64-7	N-Nitroso-di-n-propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethyphenol	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
120-82-1	1,2,4-Trichlorobenzene	350	DJ
91-20-3	Naphthalene	300	DJ
106-47-8	4-Chloroaniline	1200	U
111-91-1	bis(2-Chloroethoxy)methane	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	250	DJ
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	3100	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	3100	U
131-11-3	Dimethylphthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U
99-09-2	3-Nitroaniline	3100	U
83-32-9	Acenaphthene	1200	U

use results from original analysis

2/1/00

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS26A6DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383005DL

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S1B2323

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 46 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 5.7

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	3100	U
100-02-7-----	4-Nitrophenol	3100	U
132-64-9-----	Dibenzofuran	1200	U
121-14-2-----	2,4-Dinitrotoluene	1200	U
84-66-2-----	Diethylphthalate	1200	U
7005-72-3-----	4-Chlorophenyl-phenylether	1200	U
86-73-7-----	Fluorene	1200	U
100-01-6-----	4-Nitroaniline	3100	U
534-52-1-----	4,6-Dinitro-2-methylphenol	3100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	1200	U
101-55-3-----	4-Bromophenyl-phenylether	1200	U
118-74-1-----	Hexachlorobenzene	1200	U
87-86-5-----	Pentachlorophenol	3100	U
85-01-8-----	Phenanthrene	1200	U
120-12-7-----	Anthracene	1200	U
86-74-8-----	Carbazole	1200	U
84-74-2-----	Di-n-butylphthalate	140	DJ
206-44-0-----	Fluoranthene	1200	U
129-00-0-----	Pyrene	1200	U
85-68-7-----	Butylbenzylphthalate	1200	U
91-94-1-----	3,3'-Dichlorobenzidine	1200	U
56-55-3-----	Benzo(a)anthracene	1200	U
218-01-9-----	Chrysene	1200	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	7100	D
117-84-0-----	Di-n-octylphthalate	140	DJ
205-99-2-----	Benzo(b)fluoranthene	1200	U
207-08-9-----	Benzo(k)fluoranthene	1200	U
50-32-8-----	Benzo(a)pyrene	1200	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	1200	U
53-70-3-----	Dibenzo(a,h)anthracene	1200	U
191-24-2-----	Benzo(g,h,i)perylene	1200	U

(1) - Cannot be separated from Diphenylamine

use only
this result

ECF
3/16/00

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS26A6DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383005DL

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S1B2323

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 46 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/05/00

Injection Volume: 2.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 5.7

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

Number TICs found: 30

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	2.39	25000	ANJD
2.	UNKNOWN	3.01	780	JD
3.	C3-BENZENE ISOMER	4.22	890	JD
4.	UNKNOWN	5.72	840	JD
5.	UNKNOWN ALKANE	6.09	1100	JD
6.	C4-BENZENE ISOMER	6.31	830	JD
7. 92-52-4	BIPHENYL	9.45	2000	NJD
8.	UNKNOWN	11.72	1100	JD
9.	UNKNOWN ALKANE	12.69	1900	JD
10. 100-42-5	STYRENE	13.06	1000	NJD
11.	UNKNOWN ALKANE	13.57	7200	JD
12.	UNKNOWN ORGANIC ACID	15.09	17000	JD
13.	UNKNOWN	15.97	10000	JD
14.	UNKNOWN ORGANIC ACID	16.59	8900	JD
15.	C4-PHENANTHRENE ISOMER	16.85	14000	JD
16.	UNKNOWN ALKANE	17.51	630	JD
17.	UNKNOWN ALKANE	18.20	610	JD
18.	UNKNOWN	18.43	550	JD
19.	UNKNOWN	18.86	1800	JD
20.	UNKNOWN	18.96	1000	JD
21.	UNKNOWN ALKANE	19.51	6800	JD
22.	UNKNOWN ALKANE	20.12	6700	JD
23.	UNKNOWN ALKANE	20.71	4600	JD
24.	UNKNOWN ALKANE	21.28	5600	JD
25.	UNKNOWN ALKANE	21.83	3300	JD
26. 0-00-0	EPICOPROSTANOL	22.19	2100	NJD
27.	UNKNOWN ALKANE	22.37	4300	JD
28.	UNKNOWN ALKANE	22.88	2100	JD
29.	UNKNOWN	23.19	1100	JD
30. 83-47-6	.GAMMA.-SITOSTEROL	23.39	7400	NJD

FORM I SV-TIC

60F
3/4/00

630764

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS26B8

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383011

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S1B2255

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 38 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

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

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	540	U
111-44-4-----	bis(-2-Chloroethyl) Ether	540	U
95-57-8-----	2-Chlorophenol	540	U
541-73-1-----	1,3-Dichlorobenzene	540	U
106-46-7-----	1,4-Dichlorobenzene	2900	
95-50-1-----	1,2-Dichlorobenzene	1200	
95-48-7-----	2-Methylphenol	540	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	540	U
106-44-5-----	4-Methylphenol	600	
621-64-7-----	N-Nitroso-di-n-propylamine	540	U
67-72-1-----	Hexachloroethane	540	U
98-95-3-----	Nitrobenzene	540	U
78-59-1-----	Isophorone	540	U
88-75-5-----	2-Nitrophenol	540	U
105-67-9-----	2,4-Dimethyphenol	540	U
120-83-2-----	2,4-Dichlorophenol	540	U
120-82-1-----	1,2,4-Trichlorobenzene	540	U
91-20-3-----	Naphthalene	2100	
106-47-8-----	4-Chloroaniline	540	U
111-91-1-----	bis(2-Chloroethoxy)methane	540	U
87-68-3-----	Hexachlorobutadiene	540	U
59-50-7-----	4-Chloro-3-methylphenol	540	U
91-57-6-----	2-Methylnaphthalene	380	J
77-47-4-----	Hexachlorocyclopentadiene	540	U
88-06-2-----	2,4,6-Trichlorophenol	540	U
95-95-4-----	2,4,5-Trichlorophenol	1300	U
91-58-7-----	2-Chloronaphthalene	540	U
88-74-4-----	2-Nitroaniline	1300	U
131-11-3-----	Dimethylphthalate	540	U
208-96-8-----	Acenaphthylene	540	U
606-20-2-----	2,6-Dinitrotoluene	540	U
99-09-2-----	3-Nitroaniline	1300	U
83-32-9-----	Acenaphthene	540	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS26B8

Lab Name: MITKEM CORPORATION Contract:
Lab Code: MITKEM Case No.: SAS No.: SDG No.: 62383
Matrix: (soil/water) SOIL Lab Sample ID: 62383011
Sample wt/vol: 30.1 (g/mL) G Lab File ID: S1B2255
Level: (low/med) LOW Date Received: 12/02/99
% Moisture: 38 decanted: (Y/N) N Date Extracted: 12/06/99
Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/03/00
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y pH: 7.3

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

51-28-5-----	2,4-Dinitrophenol	1300	U
100-02-7-----	4-Nitrophenol	1300	U
132-64-9-----	Dibenzofuran	540	U
121-14-2-----	2,4-Dinitrotoluene	540	U
84-66-2-----	Diethylphthalate	540	U
7005-72-3-----	4-Chlorophenyl-phenylether	540	U
86-73-7-----	Fluorene	540	U
100-01-6-----	4-Nitroaniline	1300	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1300	U
86-30-6-----	N-Nitrosodiphenylamine (1)	540	U
101-55-3-----	4-Bromophenyl-phenylether	540	U
118-74-1-----	Hexachlorobenzene	540	U
87-86-5-----	Pentachlorophenol	1300	U
85-01-8-----	Phenanthrene	540	U
120-12-7-----	Anthracene	540	U
86-74-8-----	Carbazole	540	U
84-74-2-----	Di-n-butylphthalate	470	J
206-44-0-----	Fluoranthene	540	U
129-00-0-----	Pyrene	540	U
85-68-7-----	Butylbenzylphthalate	540	U
91-94-1-----	3,3'-Dichlorobenzidine	540	U
56-55-3-----	Benzo(a)anthracene	540	U
218-01-9-----	Chrysene	540	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	3800	
117-84-0-----	Di-n-octylphthalate	540	U
205-99-2-----	Benzo(b)fluoranthene	540	U
207-08-9-----	Benzo(k)fluoranthene	540	U
50-32-8-----	Benzo(a)pyrene	540	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	540	U
53-70-3-----	Dibenzo(a,h)anthracene	540	U
191-24-2-----	Benzo(g,h,i)perylene	540	U

(1) - Cannot be separated from Diphenylamine

CAF
3/16/00
600-00

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS26B8

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383011

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S1B2255

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 38 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	2.76	21000	ANJB
2.	C4-BENZENE ISOMER	3.81	1300	J
3.	C4-BENZENE ISOMER	4.39	1500	J
4.	C3-BENZENE ISOMER	4.89	2200	J
5.	C3-BENZENE ISOMER	5.27	1300	J
6.	C4-BENZENE ISOMER	5.34	1800	J
7.	UNKNOWN	5.71	1400	J
8.	C4-BENZENE ISOMER	5.80	1600	J
9.	C4-BENZENE ISOMER	5.91	1300	J
10.	C4-BENZENE ISOMER	6.08	1500	J
11.	UNKNOWN ALKANE	6.40	1800	J
12.	C4-BENZENE ISOMER	6.64	1400	J
13. 76-22-2	CAMPHOR	7.03	2200	NJ
14.	UNKNOWN	12.05	7100	J
15.	UNKNOWN	12.92	3500	J
16.	UNKNOWN	13.46	4000	J
17.	UNKNOWN ORGANIC ACID	15.85	63000	J
18.	UNKNOWN	16.48	30000	J
19.	UNKNOWN ALKANE	18.01	38000	J
20.	UNKNOWN ALKANE	18.73	41000	J
21.	UNKNOWN ALKANE	19.41	25000	J
22.	UNKNOWN ALKANE	20.02	21000	J
23.	UNKNOWN ALKANE	20.62	56000	J
24.	UNKNOWN ALKANE	21.20	63000	J
25.	UNKNOWN ALKANE	21.75	59000	J
26.	UNKNOWN ALKANE	22.28	51000	J
27.	UNKNOWN ALKANE	22.79	42000	J
28.	UNKNOWN ALKANE	23.29	30000	J
29.	UNKNOWN ALKANE	23.78	24000	J
30.	UNKNOWN ALKANE	24.25	35000	J

FORM I SV-TIC

667 3/16/00
666 67

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS28B35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383010

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S1B2246

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 34 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.9

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

108-95-2-----	Phenol	490	U
111-44-4-----	bis(-2-Chloroethyl) Ether	490	U
95-57-8-----	2-Chlorophenol	490	U
541-73-1-----	1,3-Dichlorobenzene	490	U
106-46-7-----	1,4-Dichlorobenzene	490	U
95-50-1-----	1,2-Dichlorobenzene	490	U
95-48-7-----	2-Methylphenol	490	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	490	U
106-44-5-----	4-Methylphenol	490	U
621-64-7-----	N-Nitroso-di-n-propylamine	490	U
67-72-1-----	Hexachloroethane	490	U
98-95-3-----	Nitrobenzene	490	U
78-59-1-----	Isophorone	490	U
88-75-5-----	2-Nitrophenol	490	U
105-67-9-----	2,4-Dimethylphenol	490	U
120-83-2-----	2,4-Dichlorophenol	490	U
120-82-1-----	1,2,4-Trichlorobenzene	490	U
91-20-3-----	Naphthalene	490	U
106-47-8-----	4-Chloroaniline	490	U
111-91-1-----	bis(2-Chloroethoxy) methane	490	U
87-68-3-----	Hexachlorobutadiene	490	U
59-50-7-----	4-Chloro-3-methylphenol	490	U
91-57-6-----	2-Methylnaphthalene	490	U
77-47-4-----	Hexachlorocyclopentadiene	490	U
88-06-2-----	2,4,6-Trichlorophenol	490	U
95-95-4-----	2,4,5-Trichlorophenol	1200	U
91-58-7-----	2-Chloronaphthalene	490	U
88-74-4-----	2-Nitroaniline	1200	U
131-11-3-----	Dimethylphthalate	490	U
208-96-8-----	Acenaphthylene	490	U
606-20-2-----	2,6-Dinitrotoluene	490	U
99-09-2-----	3-Nitroaniline	1200	U
83-32-9-----	Acenaphthene	490	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS28B35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383010

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S1B2246

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 34 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.9

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	1200	U
100-02-7-----	4-Nitrophenol	1200	U
132-64-9-----	Dibenzofuran	490	U
121-14-2-----	2,4-Dinitrotoluene	490	U
84-66-2-----	Diethylphthalate	490	U
7005-72-3-----	4-Chlorophenyl-phenylether	490	U
86-73-7-----	Fluorene	490	U
100-01-6-----	4-Nitroaniline	1200	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1200	U
86-30-6-----	N-Nitrosodiphenylamine (1)	490	U
101-55-3-----	4-Bromophenyl-phenylether	490	U
118-74-1-----	Hexachlorobenzene	490	U
87-86-5-----	Pentachlorophenol	1200	U
85-01-8-----	Phenanthrene	490	U
120-12-7-----	Anthracene	490	U
86-74-8-----	Carbazole	490	U
84-74-2-----	Di-n-butylphthalate	490	U
206-44-0-----	Fluoranthene	88	J
129-00-0-----	Pyrene	79	J
85-68-7-----	Butylbenzylphthalate	490	U
91-94-1-----	3,3'-Dichlorobenzidine	490	U
56-55-3-----	Benzo(a)anthracene	490	U
218-01-9-----	Chrysene	490	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	490	U
117-84-0-----	Di-n-octylphthalate	490	U
205-99-2-----	Benzo(b)fluoranthene	58	J
207-08-9-----	Benzo(k)fluoranthene	490	U
50-32-8-----	Benzo(a)pyrene	490	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	490	U
53-70-3-----	Dibenzo(a,h)anthracene	490	U
191-24-2-----	Benzo(g,h,i)perylene	490	U

(1) - Cannot be separated from Diphenylamine

66F
3/16/00

66F 69

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS28B35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383010

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S1B2246

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 34 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 4.9

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~2.77~~	~~26000~~	~~ANJB~~
2.	UNKNOWN ORGANIC ACID	14.11	560	J
3.	UNKNOWN	14.92	850	J
4.	UNKNOWN	15.09	520	J
5.	UNKNOWN ORGANIC ACID	15.31	1300	J
6.	UNKNOWN HYDROCARBON	15.57	310	J
7.	UNKNOWN ORGANIC ACID	15.77	570	J
8.	UNKNOWN	16.08	470	J
9.	UNKNOWN ESTER	16.35	480	J
10.	UNKNOWN ORGANIC ACID	16.79	6500	J
11.	UNKNOWN ORGANIC ACID	17.49	1400	J
12.	UNKNOWN ORGANIC ACID	17.56	320	J
13.	UNKNOWN ORGANIC ACID	18.27	850	J
14.	UNKNOWN ORGANIC ACID	18.96	1500	J
15.	UNKNOWN ORGANIC ACID	19.64	2100	J
16.	UNKNOWN	20.41	830	J
17.	UNKNOWN ORGANIC ACID	20.84	770	J
18.	UNKNOWN ALCOHOL	21.59	1400	J
19.	UNKNOWN	21.84	970	J
20.	UNKNOWN	22.54	1100	J
21.	UNKNOWN	22.72	530	J
22.	UNKNOWN	22.97	1700	J
23.	UNKNOWN	23.29	1000	J
24. 83-48-7	STIGMASTEROL	23.44	990	NJ
25. 58801-23-3	HOP-22 (29) -EN-3.BETA.-OL	23.76	11000	NJ
26.	UNKNOWN	24.22	850	J
27.	UNKNOWN	24.28	2000	J
28.	UNKNOWN	24.82	19000	J
29.	UNKNOWN	24.96	1600	J
30.	UNKNOWN	25.16	9100	J

FORM I SV-TIC

60F 2/16/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS28B35MS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383015

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S1B2247

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 34 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.9

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

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	2400	
111-44-4-----	bis(-2-Chloroethyl) Ether	500	U
95-57-8-----	2-Chlorophenol	2400	
541-73-1-----	1,3-Dichlorobenzene	500	U
106-46-7-----	1,4-Dichlorobenzene	1500	
95-50-1-----	1,2-Dichlorobenzene	500	U
95-48-7-----	2-Methylphenol	500	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	500	U
106-44-5-----	4-Methylphenol	500	U
621-64-7-----	N-Nitroso-di-n-propylamine	1600	
67-72-1-----	Hexachloroethane	500	U
98-95-3-----	Nitrobenzene	500	U
78-59-1-----	Isophorone	500	U
88-75-5-----	2-Nitrophenol	500	U
105-67-9-----	2,4-Dimethylphenol	500	U
120-83-2-----	2,4-Dichlorophenol	500	U
120-82-1-----	1,2,4-Trichlorobenzene	1600	
91-20-3-----	Naphthalene	500	U
106-47-8-----	4-Chloroaniline	500	U
111-91-1-----	bis(2-Chloroethoxy) methane	500	U
87-68-3-----	Hexachlorobutadiene	500	U
59-50-7-----	4-Chloro-3-methylphenol	2500	
91-57-6-----	2-Methylnaphthalene	500	U
77-47-4-----	Hexachlorocyclopentadiene	500	U
88-06-2-----	2,4,6-Trichlorophenol	500	U
95-95-4-----	2,4,5-Trichlorophenol	1200	U
91-58-7-----	2-Chloronaphthalene	500	U
88-74-4-----	2-Nitroaniline	1200	U
131-11-3-----	Dimethylphthalate	500	U
208-96-8-----	Acenaphthylene	500	U
606-20-2-----	2,6-Dinitrotoluene	500	U
99-09-2-----	3-Nitroaniline	1200	U
83-32-9-----	Acenaphthene	1700	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS28B35MS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383015

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S1B2247

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 34 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.9

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	1200	U
100-02-7-----	4-Nitrophenol	2800	
132-64-9-----	Dibenzofuran	500	U
121-14-2-----	2,4-Dinitrotoluene	1600	
84-66-2-----	Diethylphthalate	500	U
7005-72-3-----	4-Chlorophenyl-phenylether	500	U
86-73-7-----	Fluorene	500	U
100-01-6-----	4-Nitroaniline	1200	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1200	U
86-30-6-----	N-Nitrosodiphenylamine (1)	500	U
101-55-3-----	4-Bromophenyl-phenylether	500	U
118-74-1-----	Hexachlorobenzene	500	U
87-86-5-----	Pentachlorophenol	1800	
85-01-8-----	Phenanthrene	500	U
120-12-7-----	Anthracene	500	U
86-74-8-----	Carbazole	500	U
84-74-2-----	Di-n-butylphthalate	500	U
206-44-0-----	Fluoranthene	500	U
129-00-0-----	Pyrene	1700	
85-68-7-----	Butylbenzylphthalate	500	U
91-94-1-----	3,3'-Dichlorobenzidine	500	U
56-55-3-----	Benzo(a)anthracene	500	U
218-01-9-----	Chrysene	500	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	500	U
117-84-0-----	Di-n-octylphthalate	500	U
205-99-2-----	Benzo(b)fluoranthene	500	U
207-08-9-----	Benzo(k)fluoranthene	500	U
50-32-8-----	Benzo(a)pyrene	500	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	500	U
53-70-3-----	Dibenzo(a,h)anthracene	500	U
191-24-2-----	Benzo(g,h,i)perylene	500	U

(1) - Cannot be separated from Diphenylamine

GGF
3/16/00
GGF 72

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS28B35MSD

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383016

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S1B2248

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 34 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2400	
111-44-4	bis(-2-Chloroethyl) Ether	500	U
95-57-8	2-Chlorophenol	2500	
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	1600	
95-50-1	1,2-Dichlorobenzene	500	U
95-48-7	2-Methylphenol	500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	500	U
106-44-5	4-Methylphenol	500	U
621-64-7	N-Nitroso-di-n-propylamine	1800	
67-72-1	Hexachloroethane	500	U
98-95-3	Nitrobenzene	500	U
78-59-1	Isophorone	500	U
88-75-5	2-Nitrophenol	500	U
105-67-9	2,4-Dimethylphenol	500	U
120-83-2	2,4-Dichlorophenol	500	U
120-82-1	1,2,4-Trichlorobenzene	1700	
91-20-3	Naphthalene	500	U
106-47-8	4-Chloroaniline	500	U
111-91-1	bis(2-Chloroethoxy) methane	500	U
87-68-3	Hexachlorobutadiene	500	U
59-50-7	4-Chloro-3-methylphenol	2500	
91-57-6	2-Methylnaphthalene	500	U
77-47-4	Hexachlorocyclopentadiene	500	U
88-06-2	2,4,6-Trichlorophenol	500	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	500	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	500	U
208-96-8	Acenaphthylene	500	U
606-20-2	2,6-Dinitrotoluene	500	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	1700	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS28B35MSD

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383016

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S1B2248

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 34 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.9

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

51-28-5-----	2,4-Dinitrophenol	1200	U
100-02-7-----	4-Nitrophenol	2800	
132-64-9-----	Dibenzofuran	500	U
121-14-2-----	2,4-Dinitrotoluene	1800	
84-66-2-----	Diethylphthalate	500	U
7005-72-3-----	4-Chlorophenyl-phenylether	500	U
86-73-7-----	Fluorene	500	U
100-01-6-----	4-Nitroaniline	1200	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1200	U
86-30-6-----	N-Nitrosodiphenylamine (1)	500	U
101-55-3-----	4-Bromophenyl-phenylether	500	U
118-74-1-----	Hexachlorobenzene	500	U
87-86-5-----	Pentachlorophenol	1500	
85-01-8-----	Phenanthrene	500	U
120-12-7-----	Anthracene	500	U
86-74-8-----	Carbazole	500	U
84-74-2-----	Di-n-butylphthalate	500	U
206-44-0-----	Fluoranthene	500	U
129-00-0-----	Pyrene	1800	
85-68-7-----	Butylbenzylphthalate	500	U
91-94-1-----	3,3'-Dichlorobenzidine	500	U
56-55-3-----	Benzo(a)anthracene	500	U
218-01-9-----	Chrysene	500	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	55	J
117-84-0-----	Di-n-octylphthalate	500	U
205-99-2-----	Benzo(b)fluoranthene	500	U
207-08-9-----	Benzo(k)fluoranthene	500	U J
50-32-8-----	Benzo(a)pyrene	500	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	500	U
53-70-3-----	Dibenzo(a,h)anthracene	500	U
191-24-2-----	Benzo(g,h,i)perylene	500	U

(1) - Cannot be separated from Diphenylamine

2005
3/16/00

05074

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS28D35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383009

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S1B2251

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 21 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.7

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

CAS NO.	COMPOUND	Q
108-95-2	Phenol	420 U
111-44-4	bis(-2-Chloroethyl) Ether	420 U
95-57-8	2-Chlorophenol	420 U
541-73-1	1,3-Dichlorobenzene	420 U
106-46-7	1,4-Dichlorobenzene	420 U
95-50-1	1,2-Dichlorobenzene	420 U
95-48-7	2-Methylphenol	420 U
108-60-1	2,2'-oxybis(1-Chloropropane)	420 U
106-44-5	4-Methylphenol	420 U
621-64-7	N-Nitroso-di-n-propylamine	420 U
67-72-1	Hexachloroethane	420 U
98-95-3	Nitrobenzene	420 U
78-59-1	Isophorone	420 U
88-75-5	2-Nitrophenol	420 U
105-67-9	2,4-Dimethylphenol	420 U
120-83-2	2,4-Dichlorophenol	420 U
120-82-1	1,2,4-Trichlorobenzene	420 U
91-20-3	Naphthalene	420 U
106-47-8	4-Chloroaniline	420 U
111-91-1	bis(2-Chloroethoxy)methane	420 U
87-68-3	Hexachlorobutadiene	420 U
59-50-7	4-Chloro-3-methylphenol	420 U
91-57-6	2-Methylnaphthalene	420 U
77-47-4	Hexachlorocyclopentadiene	420 U
88-06-2	2,4,6-Trichlorophenol	420 U
95-95-4	2,4,5-Trichlorophenol	1000 U
91-58-7	2-Chloronaphthalene	420 U
88-74-4	2-Nitroaniline	1000 U
131-11-3	Dimethylphthalate	420 U
208-96-8	Acenaphthylene	420 U
606-20-2	2,6-Dinitrotoluene	420 U
99-09-2	3-Nitroaniline	1000 U
83-32-9	Acenaphthene	420 U

FORM I SV-1

600 75

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS28D35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383009

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S1B2251

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 21 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.7

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	1000	U
100-02-7-----	4-Nitrophenol	1000	U
132-64-9-----	Dibenzofuran	420	U
121-14-2-----	2,4-Dinitrotoluene	420	U
84-66-2-----	Diethylphthalate	420	U
7005-72-3-----	4-Chlorophenyl-phenylether	420	U
86-73-7-----	Fluorene	420	U
100-01-6-----	4-Nitroaniline	1000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	420	U
101-55-3-----	4-Bromophenyl-phenylether	420	U
118-74-1-----	Hexachlorobenzene	420	U
87-86-5-----	Pentachlorophenol	1000	U
85-01-8-----	Phenanthrene	120	J
120-12-7-----	Anthracene	420	U
86-74-8-----	Carbazole	420	U
84-74-2-----	Di-n-butylphthalate	420	U
206-44-0-----	Fluoranthene	140	J
129-00-0-----	Pyrene	110	J
85-68-7-----	Butylbenzylphthalate	420	U
91-94-1-----	3,3'-Dichlorobenzidine	420	U
56-55-3-----	Benzo(a)anthracene	47	J
218-01-9-----	Chrysene	53	J
117-81-7-----	bis(2-Ethylhexyl)phthalate	420	U
117-84-0-----	Di-n-octylphthalate	420	U
205-99-2-----	Benzo(b)fluoranthene	420	U
207-08-9-----	Benzo(k)fluoranthene	420	U
50-32-8-----	Benzo(a)pyrene	420	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	420	U
53-70-3-----	Dibenzo(a,h)anthracene	420	U
191-24-2-----	Benzo(g,h,i)perylene	420	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

66F 3/16/00

660.76

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS28D35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383009

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S1B2251

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 21 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.7

CONCENTRATION UNITS:

Number TICs found: 30

(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.26	240	JB
2.	UNKNOWN	2.37	250	JB
3. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	2.82	29000	ANJB
4.	UNKNOWN	3.75	460	JB
5.	UNKNOWN	5.77	190	J
6.	UNKNOWN ORGANIC ACID	14.09	110	J
7.	UNKNOWN	15.06	110	J
8.	UNKNOWN ORGANIC ACID	15.25	290	J
9.	UNKNOWN	15.57	89	J
10.	UNKNOWN ORGANIC ACID	16.68	830	J
11.	UNKNOWN ORGANIC ACID	16.81	130	J
12.	UNKNOWN ORGANIC ACID	17.44	140	J
13.	UNKNOWN	18.19	110	J
14.	UNKNOWN ALCOHOL	19.09	320	J
15.	UNKNOWN	19.34	86	J
16.	UNKNOWN ORGANIC ACID	19.60	290	J
17.	UNKNOWN	19.76	89	J
18.	UNKNOWN ORGANIC ACID	20.22	120	J
19.	UNKNOWN	20.39	750	J
20.	UNKNOWN ORGANIC ACID	20.85	240	J
21.	UNKNOWN ALKANE	21.00	190	J
22.	UNKNOWN ALDEHYDE	21.22	740	J
23.	UNKNOWN ALKENE	21.60	4600	J
24.	UNKNOWN	22.36	480	J
25.	UNKNOWN ALKANE	22.71	2300	J
26.	UNKNOWN	22.94	610	J
27. 4651-51-8	ERGOST-5-EN-3-OL, (3.BETA.)-	23.28	500	NJ
28.	UNKNOWN	23.43	840	J
29. 83-47-6	.GAMMA.-SITOSTEROL	23.73	3100	NJ
30.	UNKNOWN	24.38	290	J

FORM I SV-TIC

EGF 3/16/00

680177

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS30B12

Lab Name: MITKEM CORPORATION Contract:
Lab Code: MITKEM Case No.: SAS No.: SDG No.: 62383
Matrix: (soil/water) SOIL Lab Sample ID: 62383006
Sample wt/vol: 30.6 (g/mL) G Lab File ID: S1B2243
Level: (low/med) LOW Date Received: 12/02/99
% Moisture: 15 decanted: (Y/N) N Date Extracted: 12/06/99
Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/03/00
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(-2-Chloroethyl) Ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethyphenol	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	960	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS30B12

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383006

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: S1B2243

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 15 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
51-28-5	2,4-Dinitrophenol	960	U
100-02-7	4-Nitrophenol	960	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) - Cannot be separated from Diphenylamine

EGP

3/16/00

000 70

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS30B12

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383006

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: S1B2243

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 15 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.3

Number TICs found: 21

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.24	200	JB
2. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	2.73	11000	ANJB
3.	UNKNOWN	3.71	180	JB
4.	UNKNOWN ORGANIC ACID	15.22	150	J
5. 10544-50-0	SULFUR, MOL. (S8)	15.93	250	NJ
6.	C4-PHENANTHRENE ISOMER	17.13	100	J
7.	UNKNOWN ALKANE	19.14	120	J
8.	UNKNOWN PHTHALATE	19.30	130	J
9.	UNKNOWN ALKANE	19.78	120	J
10.	UNKNOWN ALKANE	20.39	160	J
11.	UNKNOWN	20.81	83	J
12.	UNKNOWN ALKANE	20.98	180	J
13.	UNKNOWN ALKANE	21.57	240	J
14.	UNKNOWN ALKANE	22.12	82	J
15.	UNKNOWN ALKANE	22.67	320	J
16.	UNKNOWN	22.96	160	J
17. 83-47-6	.GAMMA.-SITOSTEROL	23.73	1000	NJ
18.	UNKNOWN	23.92	430	J
19.	UNKNOWN	24.18	620	J
20.	UNKNOWN	24.37	140	J
21.	UNKNOWN	24.51	2400	J
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

GC 3/16/00
000080

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS30B35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383003

Sample wt/vol: 30.8 (g/mL) G

Lab File ID: S1B2249

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 22 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.4

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2-----	Phenol	420	U
111-44-4-----	bis(-2-Chloroethyl) Ether	420	U
95-57-8-----	2-Chlorophenol	420	U
541-73-1-----	1,3-Dichlorobenzene	420	U
106-46-7-----	1,4-Dichlorobenzene	420	U
95-50-1-----	1,2-Dichlorobenzene	420	U
95-48-7-----	2-Methylphenol	420	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	420	U
106-44-5-----	4-Methylphenol	420	U
621-64-7-----	N-Nitroso-di-n-propylamine	420	U
67-72-1-----	Hexachloroethane	420	U
98-95-3-----	Nitrobenzene	420	U
78-59-1-----	Isophorone	420	U
88-75-5-----	2-Nitrophenol	420	U
105-67-9-----	2,4-Dimethylphenol	420	U
120-83-2-----	2,4-Dichlorophenol	420	U
120-82-1-----	1,2,4-Trichlorobenzene	420	U
91-20-3-----	Naphthalene	420	U
106-47-8-----	4-Chloroaniline	420	U
111-91-1-----	bis(2-Chloroethoxy) methane	420	U
87-68-3-----	Hexachlorobutadiene	420	U
59-50-7-----	4-Chloro-3-methylphenol	420	U
91-57-6-----	2-Methylnaphthalene	420	U
77-47-4-----	Hexachlorocyclopentadiene	420	U
88-06-2-----	2,4,6-Trichlorophenol	420	U
95-95-4-----	2,4,5-Trichlorophenol	1000	U
91-58-7-----	2-Chloronaphthalene	420	U
88-74-4-----	2-Nitroaniline	1000	U
131-11-3-----	Dimethylphthalate	420	U
208-96-8-----	Acenaphthylene	420	U
606-20-2-----	2,6-Dinitrotoluene	420	U
99-09-2-----	3-Nitroaniline	1000	U
83-32-9-----	Acenaphthene	420	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS30B35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383003

Sample wt/vol: 30.8 (g/mL) G

Lab File ID: S1B2249

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 22 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.4

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

51-28-5-----	2,4-Dinitrophenol	1000	U
100-02-7-----	4-Nitrophenol	1000	U
132-64-9-----	Dibenzofuran	420	U
121-14-2-----	2,4-Dinitrotoluene	420	U
84-66-2-----	Diethylphthalate	420	U
7005-72-3-----	4-Chlorophenyl-phenylether	420	U
86-73-7-----	Fluorene	420	U
100-01-6-----	4-Nitroaniline	1000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	420	U
101-55-3-----	4-Bromophenyl-phenylether	420	U
118-74-1-----	Hexachlorobenzene	420	U
87-86-5-----	Pentachlorophenol	1000	U
85-01-8-----	Phenanthrene	420	U
120-12-7-----	Anthracene	420	U
86-74-8-----	Carbazole	420	U
84-74-2-----	Di-n-butylphthalate	420	U
206-44-0-----	Fluoranthene	420	U
129-00-0-----	Pyrene	420	U
85-68-7-----	Butylbenzylphthalate	420	U
91-94-1-----	3,3'-Dichlorobenzidine	420	U
56-55-3-----	Benzo(a)anthracene	420	U
218-01-9-----	Chrysene	420	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	420	U
117-84-0-----	Di-n-octylphthalate	420	U
205-99-2-----	Benzo(b)fluoranthene	420	U
207-08-9-----	Benzo(k)fluoranthene	420	U
50-32-8-----	Benzo(a)pyrene	420	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	420	U
53-70-3-----	Dibenzo(a,h)anthracene	420	U
191-24-2-----	Benzo(g,h,i)perylene	420	U

(1) - Cannot be separated from Diphenylamine

EEF 3/16/00

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS30B35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383003

Sample wt/vol: 30.8 (g/mL) G

Lab File ID: S1B2249

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 22 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.4

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

Number TICs found: 30

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.24	360	JB
2. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	2.76	22000	ANJB
3.	UNKNOWN	3.74	370	JB
4.	UNKNOWN	7.28	200	JB
5. 4630-07-3	NAPHTHALENE, 1,2,3,5,6,7,8,8	10.09	260	NJ
6.	UNKNOWN	12.13	220	J
7.	UNKNOWN ORGANIC ACID	15.24	210	J
8. 10544-50-0	SULFUR, MOL. (S8)	15.96	660	NJ
9.	UNKNOWN	16.61	260	J
10.	2-PHENANTHRENOL OCTA ISOMER	17.62	420	J
11.	2-PHENANTHRENOL OCTA ISOMER	17.83	1100	J
12.	UNKNOWN	17.93	500	J
13. 5828-51-3	2-METHYLPHENOTHIAZINE	18.19	170	NJ
14.	UNKNOWN	19.10	290	J
15.	UNKNOWN	19.33	140	J
16.	UNKNOWN ORGANIC ACID	19.58	220	J
17. 511-05-7	9(1H)-PHENANTHRENONE, 2,3,4,	19.91	260	NJ
18.	UNKNOWN HYDROCARBON	20.39	480	J
19.	UNKNOWN	21.21	160	J
20.	UNKNOWN ALKANE	21.58	970	J
21.	UNKNOWN	22.42	300	J
22.	UNKNOWN ALKANE	22.68	1300	J
23. 4651-51-8	ERGOST-5-EN-3-OL, (3.BETA.)-	23.26	250	NJ
24. 83-48-7	STIGMASTEROL	23.42	320	NJ
25. 83-47-6	.GAMMA.-SITOSTEROL	23.75	2600	NJ
26.	UNKNOWN	24.02	610	J
27. 464-97-1	URS-12-ENE	24.17	470	NJ
28.	UNKNOWN	24.27	200	J
29. 1058-61-3	STIGMAST-4-EN-3-ONE	24.38	320	NJ
30.	UNKNOWN	24.96	3700	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS30C3.5

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383008

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: S1B2253

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 40 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

108-95-2-----	Phenol	550	U
111-44-4-----	bis(-2-Chloroethyl) Ether	550	U
95-57-8-----	2-Chlorophenol	550	U
541-73-1-----	1,3-Dichlorobenzene	550	U
106-46-7-----	1,4-Dichlorobenzene	670	
95-50-1-----	1,2-Dichlorobenzene	120	J
95-48-7-----	2-Methylphenol	550	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	550	U
106-44-5-----	4-Methylphenol	550	U
621-64-7-----	N-Nitroso-di-n-propylamine	550	U
67-72-1-----	Hexachloroethane	550	U
98-95-3-----	Nitrobenzene	550	U
78-59-1-----	Isophorone	550	U
88-75-5-----	2-Nitrophenol	550	U
105-67-9-----	2,4-Dimethylphenol	550	U
120-83-2-----	2,4-Dichlorophenol	550	U
120-82-1-----	1,2,4-Trichlorobenzene	550	U
91-20-3-----	Naphthalene	770	
106-47-8-----	4-Chloroaniline	550	U
111-91-1-----	bis(2-Chloroethoxy)methane	550	U
87-68-3-----	Hexachlorobutadiene	550	U
59-50-7-----	4-Chloro-3-methylphenol	550	U
91-57-6-----	2-Methylnaphthalene	1100	
77-47-4-----	Hexachlorocyclopentadiene	550	U
88-06-2-----	2,4,6-Trichlorophenol	550	U
95-95-4-----	2,4,5-Trichlorophenol	1400	U
91-58-7-----	2-Chloronaphthalene	550	U
88-74-4-----	2-Nitroaniline	1400	U
131-11-3-----	Dimethylphthalate	550	U
208-96-8-----	Acenaphthylene	550	U
606-20-2-----	2,6-Dinitrotoluene	550	U
99-09-2-----	3-Nitroaniline	1400	U
83-32-9-----	Acenaphthene	550	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS30C3.5

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383008

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: S1B2253

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 40 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	1400	U
100-02-7-----	4-Nitrophenol	1400	U
132-64-9-----	Dibenzofuran	550	U
121-14-2-----	2,4-Dinitrotoluene	550	U
84-66-2-----	Diethylphthalate	550	U
7005-72-3-----	4-Chlorophenyl-phenylether	550	U
86-73-7-----	Fluorene	550	U
100-01-6-----	4-Nitroaniline	1400	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1400	U
86-30-6-----	N-Nitrosodiphenylamine (1)	550	U
101-55-3-----	4-Bromophenyl-phenylether	550	U
118-74-1-----	Hexachlorobenzene	550	U
87-86-5-----	Pentachlorophenol	1400	U
85-01-8-----	Phenanthrene	550	U
120-12-7-----	Anthracene	550	U
86-74-8-----	Carbazole	550	U
84-74-2-----	Di-n-butylphthalate	170	J
206-44-0-----	Fluoranthene	250	J
129-00-0-----	Pyrene	330	J
85-68-7-----	Butylbenzylphthalate	550	U
91-94-1-----	3,3'-Dichlorobenzidine	550	U
56-55-3-----	Benzo(a)anthracene	550	U
218-01-9-----	Chrysene	550	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	3300	
117-84-0-----	Di-n-octylphthalate	550	U
205-99-2-----	Benzo(b)fluoranthene	550	U
207-08-9-----	Benzo(k)fluoranthene	550	U
50-32-8-----	Benzo(a)pyrene	550	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	550	U
53-70-3-----	Dibenzo(a,h)anthracene	550	U
191-24-2-----	Benzo(g,h,i)perylene	550	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS30C3.5

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383008

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: S1B2253

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 40 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

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

Number TICs found: 30

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~2.78~~	~~18000~~	~~ANJB~~
2.	UNKNOWN ALKANE	6.39	500	J
3.	UNKNOWN ALKANE	7.69	450	J
4.	UNKNOWN ALKANE	7.84	410	J
5.	UNKNOWN ALKANE	8.56	800	J
6. 90-12-0	NAPHTHALENE, 1-METHYL-	9.02	530	NJ
7.	UNKNOWN	9.07	640	J
8.	UNKNOWN	9.55	1000	J
9.	UNKNOWN ALKANE	9.73	2200	J
10.	C2-NAPHTHALENE ISOMER	9.95	890	J
11.	UNKNOWN ALKANE	10.01	1200	J
12.	C2-NAPHTHALENE ISOMER	10.09	1000	J
13.	C2-NAPHTHALENE ISOMER	10.22	2000	J
14.	UNKNOWN ALKANE	10.64	1300	J
15.	UNKNOWN ALKANE	11.05	1100	J
16.	UNKNOWN	11.57	1300	J
17.	UNKNOWN ALKANE	13.05	3400	J
18. 20071-09-4	BENZENE, 1,1'-(1,2-CYCLOBUTA	13.44	1600	NJ
19.	UNKNOWN ORGANIC ACID	15.64	58000	J
20.	UNKNOWN ORGANIC ACID	16.97	59000	J
21.	UNKNOWN ORGANIC ACID	17.14	14000	J
22.	UNKNOWN ALKANE	17.21	3900	J
23.	UNKNOWN ALKANE	17.92	36000	J
24.	UNKNOWN ALKANE	19.30	13000	J
25.	UNKNOWN ALKANE	20.56	14000	J
26.	UNKNOWN ALKANE	21.15	18000	J
27.	UNKNOWN ALKANE	21.71	10000	J
28.	UNKNOWN ALKANE	22.78	61000	J
29.	UNKNOWN ALKANE	23.29	57000	J
30.	UNKNOWN ALKANE	23.79	140000	J

CF 3/16/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS30C35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383007

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S1B2250

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 19 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.8

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

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	410	U
111-44-4-----	bis(-2-Chloroethyl) Ether	410	U
95-57-8-----	2-Chlorophenol	410	U
541-73-1-----	1,3-Dichlorobenzene	410	U
106-46-7-----	1,4-Dichlorobenzene	410	U
95-50-1-----	1,2-Dichlorobenzene	410	U
95-48-7-----	2-Methylphenol	410	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	410	U
106-44-5-----	4-Methylphenol	410	U
621-64-7-----	N-Nitroso-di-n-propylamine	410	U
67-72-1-----	Hexachloroethane	410	U
98-95-3-----	Nitrobenzene	410	U
78-59-1-----	Isophorone	410	U
88-75-5-----	2-Nitrophenol	410	U
105-67-9-----	2,4-Dimethylphenol	410	U
120-83-2-----	2,4-Dichlorophenol	410	U
120-82-1-----	1,2,4-Trichlorobenzene	410	U
91-20-3-----	Naphthalene	410	U
106-47-8-----	4-Chloroaniline	410	U
111-91-1-----	bis(2-Chloroethoxy) methane	410	U
87-68-3-----	Hexachlorobutadiene	410	U
59-50-7-----	4-Chloro-3-methylphenol	410	U
91-57-6-----	2-Methylnaphthalene	410	U
77-47-4-----	Hexachlorocyclopentadiene	410	U
88-06-2-----	2,4,6-Trichlorophenol	410	U
95-95-4-----	2,4,5-Trichlorophenol	1000	U
91-58-7-----	2-Chloronaphthalene	410	U
88-74-4-----	2-Nitroaniline	1000	U
131-11-3-----	Dimethylphthalate	410	U
208-96-8-----	Acenaphthylene	410	U
606-20-2-----	2,6-Dinitrotoluene	410	U
99-09-2-----	3-Nitroaniline	1000	U
83-32-9-----	Acenaphthene	410	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS30C35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383007

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S1B2250

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 19 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.8

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

CAS NO.	COMPOUND	Q
51-28-5-----	2,4-Dinitrophenol	1000 U
100-02-7-----	4-Nitrophenol	1000 U
132-64-9-----	Dibenzofuran	410 U
121-14-2-----	2,4-Dinitrotoluene	410 U
84-66-2-----	Diethylphthalate	410 U
7005-72-3-----	4-Chlorophenyl-phenylether	410 U
86-73-7-----	Fluorene	410 U
100-01-6-----	4-Nitroaniline	1000 U
534-52-1-----	4,6-Dinitro-2-methylphenol	1000 U
86-30-6-----	N-Nitrosodiphenylamine (1)	410 U
101-55-3-----	4-Bromophenyl-phenylether	410 U
118-74-1-----	Hexachlorobenzene	410 U
87-86-5-----	Pentachlorophenol	1000 U
85-01-8-----	Phenanthrene	410 U
120-12-7-----	Anthracene	410 U
86-74-8-----	Carbazole	410 U
84-74-2-----	Di-n-butylphthalate	410 U
206-44-0-----	Fluoranthene	410 U
129-00-0-----	Pyrene	410 U
85-68-7-----	Butylbenzylphthalate	410 U
91-94-1-----	3,3'-Dichlorobenzidine	410 U
56-55-3-----	Benzo (a) anthracene	410 U
218-01-9-----	Chrysene	410 U
117-81-7-----	bis (2-Ethylhexyl) phthalate	410 U
117-84-0-----	Di-n-octylphthalate	410 U
205-99-2-----	Benzo (b) fluoranthene	410 U
207-08-9-----	Benzo (k) fluoranthene	410 U
50-32-8-----	Benzo (a) pyrene	410 U
193-39-5-----	Indeno (1,2,3-cd) pyrene	410 U
53-70-3-----	Dibenzo (a,h) anthracene	410 U
191-24-2-----	Benzo (g,h,i) perylene	410 U

(1) - Cannot be separated from Diphenylamine

EGF 3/16/00

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS30C35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383007

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S1B2250

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: 19 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.8

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg

Number TICs found: 24

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.31	380	JB
2. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	2.77	23000	ANJB
3.	UNKNOWN	2.82	130	J
4.	UNKNOWN	3.73	360	JB
5. 100-52-7	BENZALDEHYDE	4.43	720	NJ
6.	UNKNOWN	5.78	240	J
7.	UNKNOWN	7.28	270	JB
8.	UNKNOWN	9.16	91	J
9.	UNKNOWN	15.15	520	J
10.	UNKNOWN ORGANIC ACID	15.24	280	J
11.	UNKNOWN	15.76	290	J
12.	UNKNOWN	16.62	250	J
13.	UNKNOWN	17.15	98	J
14.	UNKNOWN	19.09	610	J
15.	UNKNOWN ORGANIC ACID	19.59	400	J
16.	UNKNOWN	20.38	600	J
17.	UNKNOWN ALDEHYDE	21.21	250	J
18.	UNKNOWN ALKANE	21.58	1500	J
19.	UNKNOWN	22.36	480	J
20.	UNKNOWN ALKANE	22.68	1600	J
21. 83-47-6	. GAMMA. -SITOSTEROL	23.75	3500	NJ
22.	UNKNOWN	23.94	2100	J
23.	UNKNOWN	24.39	280	J
24.	UNKNOWN	25.00	1900	J
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

ECT 3/14/00

000080

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1MLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: S1203-LW3

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B2024

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/03/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/21/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	49	
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	52	
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	38	
95-50-1-----	1,2-Dichlorobenzene	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	34	
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	35	
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	52	
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	36	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1MLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: S1203-LW3

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B2024

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/03/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/21/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	56	
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	44	
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	59	
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	44	
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1RLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: S1206-LS3

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S1B2242

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

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

108-95-2-----	Phenol	1900	
111-44-4-----	bis(-2-Chloroethyl) Ether	330	U
95-57-8-----	2-Chlorophenol	2000	
541-73-1-----	1,3-Dichlorobenzene	330	U
106-46-7-----	1,4-Dichlorobenzene	1400	
95-50-1-----	1,2-Dichlorobenzene	330	U
95-48-7-----	2-Methylphenol	330	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5-----	4-Methylphenol	330	U
621-64-7-----	N-Nitroso-di-n-propylamine	1400	
67-72-1-----	Hexachloroethane	330	U
98-95-3-----	Nitrobenzene	330	U
78-59-1-----	Isophorone	330	U
88-75-5-----	2-Nitrophenol	330	U
105-67-9-----	2,4-Dimethylphenol	330	U
120-83-2-----	2,4-Dichlorophenol	330	U
120-82-1-----	1,2,4-Trichlorobenzene	1400	
91-20-3-----	Naphthalene	330	U
106-47-8-----	4-Chloroaniline	330	U
111-91-1-----	bis(2-Chloroethoxy) methane	330	U
87-68-3-----	Hexachlorobutadiene	330	U
59-50-7-----	4-Chloro-3-methylphenol	1900	
91-57-6-----	2-Methylnaphthalene	330	U
77-47-4-----	Hexachlorocyclopentadiene	330	U
88-06-2-----	2,4,6-Trichlorophenol	330	U
95-95-4-----	2,4,5-Trichlorophenol	830	U
91-58-7-----	2-Chloronaphthalene	330	U
88-74-4-----	2-Nitroaniline	830	U
131-11-3-----	Dimethylphthalate	330	U
208-96-8-----	Acenaphthylene	330	U
606-20-2-----	2,6-Dinitrotoluene	330	U
99-09-2-----	3-Nitroaniline	830	U
83-32-9-----	Acenaphthene	1300	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1RLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: S1206-LS3

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S1B2242

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

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

51-28-5-----	2,4-Dinitrophenol	830	U
100-02-7-----	4-Nitrophenol	2000	
132-64-9-----	Dibenzofuran	330	U
121-14-2-----	2,4-Dinitrotoluene	1400	
84-66-2-----	Diethylphthalate	330	U
7005-72-3-----	4-Chlorophenyl-phenylether	330	U
86-73-7-----	Fluorene	330	U
100-01-6-----	4-Nitroaniline	830	U
534-52-1-----	4,6-Dinitro-2-methylphenol	830	U
86-30-6-----	N-Nitrosodiphenylamine (1)	330	U
101-55-3-----	4-Bromophenyl-phenylether	330	U
118-74-1-----	Hexachlorobenzene	330	U
87-86-5-----	Pentachlorophenol	1700	
85-01-8-----	Phenanthrene	330	U
120-12-7-----	Anthracene	330	U
86-74-8-----	Carbazole	330	U
84-74-2-----	Di-n-butylphthalate	330	U
206-44-0-----	Fluoranthene	330	U
129-00-0-----	Pyrene	1300	
85-68-7-----	Butylbenzylphthalate	330	U
91-94-1-----	3,3'-Dichlorobenzidine	330	U
56-55-3-----	Benzo(a)anthracene	330	U
218-01-9-----	Chrysene	330	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	330	U
117-84-0-----	Di-n-octylphthalate	330	U
205-99-2-----	Benzo(b)fluoranthene	330	U
207-08-9-----	Benzo(k)fluoranthene	330	U
50-32-8-----	Benzo(a)pyrene	330	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	330	U
53-70-3-----	Dibenzo(a,h)anthracene	330	U
191-24-2-----	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP120199

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383012

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: E2B6633F

% Moisture: 22 decanted: (Y/N) N

Date Received: 12/02/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.5

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

319-84-6-----	alpha-BHC	2.1	U
319-85-7-----	beta-BHC	2.1	U
319-86-8-----	delta-BHC	2.1	U
58-89-9-----	gamma-BHC (Lindane)	2.1	U
76-44-8-----	Heptachlor	2.1	U
309-00-2-----	Aldrin	2.1	U
1024-57-3-----	Heptachlor epoxide	2.1	U
959-98-8-----	Endosulfan I	2.1	U
60-57-1-----	Dieldrin	4.2	U
72-55-9-----	4,4'-DDE	4.2	U
72-20-8-----	Endrin	4.2	U
33213-65-9-----	Endosulfan II	4.2	U
72-54-8-----	4,4'-DDD	4.2	U
1031-07-8-----	Endosulfan sulfate	4.2	U
50-29-3-----	4,4'-DDT	4.2	U
72-43-5-----	Methoxychlor	21	U
53494-70-5-----	Endrin ketone	4.2	U
7421-93-4-----	Endrin aldehyde	4.2	U
5103-71-9-----	alpha-Chlordane	2.1	U
5103-74-2-----	gamma-Chlordane	2.1	U
8001-35-2-----	Toxaphene	210	U
12674-11-2-----	Aroclor-1016	42	U
11104-28-2-----	Aroclor-1221	84	U
11141-16-5-----	Aroclor-1232	42	U
53469-21-9-----	Aroclor-1242	42	U
12672-29-6-----	Aroclor-1248	42	U
11097-69-1-----	Aroclor-1254	42	U
11096-82-5-----	Aroclor-1260	42	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB120199

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: 62383013

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6660F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 12/02/99

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 12/03/99

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----alpha-BHC	0.050	U
319-85-7-----beta-BHC	0.050	U
319-86-8-----delta-BHC	0.050	U
58-89-9-----gamma-BHC (Lindane)	0.050	U
76-44-8-----Heptachlor	0.050	U
309-00-2-----Aldrin	0.050	U
1024-57-3-----Heptachlor epoxide	0.050	U
959-98-8-----Endosulfan I	0.050	U
60-57-1-----Dieldrin	0.10	U
72-55-9-----4,4'-DDE	0.10	U
72-20-8-----Endrin	0.10	U
33213-65-9-----Endosulfan II	0.10	U
72-54-8-----4,4'-DDD	0.10	U
1031-07-8-----Endosulfan sulfate	0.10	U
50-29-3-----4,4'-DDT	0.10	U
72-43-5-----Methoxychlor	0.50	U
53494-70-5-----Endrin ketone	0.10	U
7421-93-4-----Endrin aldehyde	0.10	U
5103-71-9-----alpha-Chlordane	0.050	U
5103-74-2-----gamma-Chlordane	0.050	U
8001-35-2-----Toxaphene	5.0	U
12674-11-2-----Aroclor-1016	1.0	U
11104-28-2-----Aroclor-1221	2.0	U
11141-16-5-----Aroclor-1232	1.0	U
53469-21-9-----Aroclor-1242	1.0	U
12672-29-6-----Aroclor-1248	1.0	U
11097-69-1-----Aroclor-1254	1.0	U
11096-82-5-----Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS24A11

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62383

Matrix: (soil/water) SOIL Lab Sample ID: 62383002

Sample wt/vol: 30.8 (g/mL) G Lab File ID: E2B6615F

% Moisture: 69 decanted: (Y/N) N Date Received: 12/02/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) Y

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6-----	alpha-BHC	5.3	U
319-85-7-----	beta-BHC	5.3	U
319-86-8-----	delta-BHC	5.3	U
58-89-9-----	gamma-BHC (Lindane)	5.3	U
76-44-8-----	Heptachlor	23	P
309-00-2-----	Aldrin	8.5	P
1024-57-3-----	Heptachlor epoxide	17	P
959-98-8-----	Endosulfan I	5.3	U
60-57-1-----	Dieldrin	10	U
72-55-9-----	4,4'-DDE	10	U
72-20-8-----	Endrin	10	U
33213-65-9-----	Endosulfan II	10	U
72-54-8-----	4,4'-DDD	10	U
1031-07-8-----	Endosulfan sulfate	10	U
50-29-3-----	4,4'-DDT	10	U
72-43-5-----	Methoxychlor	53	U
53494-70-5-----	Endrin ketone	10	U
7421-93-4-----	Endrin aldehyde	10	U
5103-71-9-----	alpha-Chlordane	5.3	U
5103-74-2-----	gamma-Chlordane	5.5	P
8001-35-2-----	Toxaphene	530	U
12674-11-2-----	Aroclor-1016	100	U
11104-28-2-----	Aroclor-1221	210	U
11141-16-5-----	Aroclor-1232	100	U
53469-21-9-----	Aroclor-1242	1200	P
12672-29-6-----	Aroclor-1248	100	U
11097-69-1-----	Aroclor-1254	100	U
11096-82-5-----	Aroclor-1260	100	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS24B35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383001

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: E2B6614F

% Moisture: 20 decanted: (Y/N) N

Date Received: 12/02/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 12/21/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	2.1	U
319-85-7-----	beta-BHC	2.1	U
319-86-8-----	delta-BHC	2.1	U
58-89-9-----	gamma-BHC (Lindane)	2.1	U
76-44-8-----	Heptachlor	2.1	U
309-00-2-----	Aldrin	2.1	U
1024-57-3-----	Heptachlor epoxide	2.1	U
959-98-8-----	Endosulfan I	2.1	U
60-57-1-----	Dieldrin	4.0	U
72-55-9-----	4,4'-DDE	4.0	U
72-20-8-----	Endrin	4.0	U
33213-65-9-----	Endosulfan II	4.0	U
72-54-8-----	4,4'-DDD	4.0	U
1031-07-8-----	Endosulfan sulfate	4.0	U
50-29-3-----	4,4'-DDT	4.0	U
72-43-5-----	Methoxychlor	21	U
53494-70-5-----	Endrin ketone	4.0	U
7421-93-4-----	Endrin aldehyde	4.0	U
5103-71-9-----	alpha-Chlordane	2.1	U
5103-74-2-----	gamma-Chlordane	2.1	U
8001-35-2-----	Toxaphene	210	U
12674-11-2-----	Aroclor-1016	40	U
11104-28-2-----	Aroclor-1221	82	U
11141-16-5-----	Aroclor-1232	40	U
53469-21-9-----	Aroclor-1242	40	U
12672-29-6-----	Aroclor-1248	40	U
11097-69-1-----	Aroclor-1254	40	U
11096-82-5-----	Aroclor-1260	40	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS26A35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383004

Sample wt/vol: 30.9 (g/mL) G

Lab File ID: E2B6617F

% Moisture: 19 decanted: (Y/N) N

Date Received: 12/02/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.2

Sulfur Cleanup: (Y/N) Y

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

CAS NO.	COMPOUND	Q
319-84-6	alpha-BHC	2.0 U
319-85-7	beta-BHC	2.0 U
319-86-8	delta-BHC	2.0 U
58-89-9	gamma-BHC (Lindane)	2.0 U
76-44-8	Heptachlor	2.9 P
309-00-2	Aldrin	2.0 U
1024-57-3	Heptachlor epoxide	2.0 U
959-98-8	Endosulfan I	2.0 U
60-57-1	Dieldrin	4.0 U
72-55-9	4,4'-DDE	4.0 U
72-20-8	Endrin	4.0 U
33213-65-9	Endosulfan II	4.0 U
72-54-8	4,4'-DDD	4.0 U
1031-07-8	Endosulfan sulfate	4.0 U
50-29-3	4,4'-DDT	4.0 U
72-43-5	Methoxychlor	20 U
53494-70-5	Endrin ketone	4.0 U
7421-93-4	Endrin aldehyde	4.0 U
5103-71-9	alpha-Chlordane	2.0 U
5103-74-2	gamma-Chlordane	2.0 U
8001-35-2	Toxaphene	200 U
12674-11-2	Aroclor-1016	40 U
11104-28-2	Aroclor-1221	80 U
11141-16-5	Aroclor-1232	40 U
53469-21-9	Aroclor-1242	210 U
12672-29-6	Aroclor-1248	40 U
11097-69-1	Aroclor-1254	40 U
11096-82-5	Aroclor-1260	40 U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS26A6

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383005

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: E2B6618F

% Moisture: 46 decanted: (Y/N) N

Date Received: 12/02/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.7

Sulfur Cleanup: (Y/N) Y

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

CAS NO.	COMPOUND	Q
319-84-6-----	alpha-BHC	3.1 U
319-85-7-----	beta-BHC	3.1 U
319-86-8-----	delta-BHC	3.1 U
58-89-9-----	gamma-BHC (Lindane)	3.1 U
76-44-8-----	Heptachlor	3.1 U
309-00-2-----	Aldrin	3.1 U
1024-57-3-----	Heptachlor epoxide	3.1 U
959-98-8-----	Endosulfan I	3.1 U
60-57-1-----	Dieldrin	6.1 U
72-55-9-----	4,4'-DDE	7.5
72-20-8-----	Endrin	6.1 U
33213-65-9-----	Endosulfan II	6.1 U
72-54-8-----	4,4'-DDD	6.1 U
1031-07-8-----	Endosulfan sulfate	6.1 U
50-29-3-----	4,4'-DDT	6.1 U
72-43-5-----	Methoxychlor	31 U
53494-70-5-----	Endrin ketone	6.1 U
7421-93-4-----	Endrin aldehyde	6.1 U
5103-71-9-----	alpha-Chlordane	3.1 U
5103-74-2-----	gamma-Chlordane	4.3
8001-35-2-----	Toxaphene	310 U
12674-11-2-----	Aroclor-1016	61 U
11104-28-2-----	Aroclor-1221	120 U
11141-16-5-----	Aroclor-1232	61 U
53469-21-9-----	Aroclor-1242	61 U
12672-29-6-----	Aroclor-1248	61 U
11097-69-1-----	Aroclor-1254	120 P
11096-82-5-----	Aroclor-1260	61 U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS26B8

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383011

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: E2B6632F

% Moisture: 38 decanted: (Y/N) N

Date Received: 12/02/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	2.7	U
319-85-7-----	beta-BHC	2.7	U
319-86-8-----	delta-BHC	2.7	U
58-89-9-----	gamma-BHC (Lindane)	2.7	U
76-44-8-----	Heptachlor	2.7	U
309-00-2-----	Aldrin	2.7	U
1024-57-3-----	Heptachlor epoxide	3.1	P
959-98-8-----	Endosulfan I	2.7	U
60-57-1-----	Dieldrin	5.3	U
72-55-9-----	4,4'-DDE	5.3	U
72-20-8-----	Endrin	5.3	U
33213-65-9-----	Endosulfan II	5.3	U
72-54-8-----	4,4'-DDD	5.3	U
1031-07-8-----	Endosulfan sulfate	5.3	U
50-29-3-----	4,4'-DDT	5.3	U
72-43-5-----	Methoxychlor	27	U
53494-70-5-----	Endrin ketone	5.3	U
7421-93-4-----	Endrin aldehyde	5.3	U
5103-71-9-----	alpha-Chlordane	2.7	U
5103-74-2-----	gamma-Chlordane	3.5	P
8001-35-2-----	Toxaphene	270	U
12674-11-2-----	Aroclor-1016	53	U
11104-28-2-----	Aroclor-1221	110	U
11141-16-5-----	Aroclor-1232	53	U
53469-21-9-----	Aroclor-1242	140	U
12672-29-6-----	Aroclor-1248	53	U
11097-69-1-----	Aroclor-1254	68	P
11096-82-5-----	Aroclor-1260	53	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS28B35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383010

Sample wt/vol: 30.8 (g/mL) G

Lab File ID: E2B6629F

% Moisture: 34 decanted: (Y/N) N

Date Received: 12/02/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.9

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	2.5	U
319-85-7-----	beta-BHC	2.5	U
319-86-8-----	delta-BHC	2.5	U
58-89-9-----	gamma-BHC (Lindane)	2.5	U
76-44-8-----	Heptachlor	2.5	U
309-00-2-----	Aldrin	2.5	U
1024-57-3-----	Heptachlor epoxide	2.5	U
959-98-8-----	Endosulfan I	2.5	U
60-57-1-----	Dieldrin	4.9	U
72-55-9-----	4,4'-DDE	4.9	U
72-20-8-----	Endrin	4.9	U
33213-65-9-----	Endosulfan II	4.9	U
72-54-8-----	4,4'-DDD	4.9	U
1031-07-8-----	Endosulfan sulfate	4.9	U
50-29-3-----	4,4'-DDT	4.9	U
72-43-5-----	Methoxychlor	25	U
53494-70-5-----	Endrin ketone	4.9	U
7421-93-4-----	Endrin aldehyde	4.9	U
5103-71-9-----	alpha-Chlordane	2.5	U
5103-74-2-----	gamma-Chlordane	2.5	U
8001-35-2-----	Toxaphene	250	U
12674-11-2-----	Aroclor-1016	49	U
11104-28-2-----	Aroclor-1221	99	U
11141-16-5-----	Aroclor-1232	49	U
53469-21-9-----	Aroclor-1242	49	U
12672-29-6-----	Aroclor-1248	49	U
11097-69-1-----	Aroclor-1254	49	U
11096-82-5-----	Aroclor-1260	49	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS28B35MS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383015

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: E2B6630F

% Moisture: 34 decanted: (Y/N) N

Date Received: 12/02/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.9

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	2.6	U
319-85-7-----	beta-BHC	2.6	U
319-86-8-----	delta-BHC	2.6	U
58-89-9-----	gamma-BHC (Lindane)	18	
76-44-8-----	Heptachlor	19	
309-00-2-----	Aldrin	20	
1024-57-3-----	Heptachlor epoxide	2.6	U
959-98-8-----	Endosulfan I	2.6	U
60-57-1-----	Dieldrin	43	
72-55-9-----	4,4'-DDE	5.0	U
72-20-8-----	Endrin	46	
33213-65-9-----	Endosulfan II	5.0	U
72-54-8-----	4,4'-DDD	5.0	U
1031-07-8-----	Endosulfan sulfate	5.0	U
50-29-3-----	4,4'-DDT	41	
72-43-5-----	Methoxychlor	26	U
53494-70-5-----	Endrin ketone	5.0	U
7421-93-4-----	Endrin aldehyde	5.0	U
5103-71-9-----	alpha-Chlordane	2.6	U
5103-74-2-----	gamma-Chlordane	2.6	U
8001-35-2-----	Toxaphene	260	U
12674-11-2-----	Aroclor-1016	50	U
11104-28-2-----	Aroclor-1221	100	U
11141-16-5-----	Aroclor-1232	50	U
53469-21-9-----	Aroclor-1242	50	U
12672-29-6-----	Aroclor-1248	50	U
11097-69-1-----	Aroclor-1254	50	U
11096-82-5-----	Aroclor-1260	50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS28B35MSD

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383016

Sample wt/vol: 30.8 (g/mL) G

Lab File ID: E2B6631F

% Moisture: 34 decanted: (Y/N) N

Date Received: 12/02/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 4.9

Sulfur Cleanup: (Y/N) Y

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

CAS NO.

COMPOUND

Q

319-84-6-----	alpha-BHC	2.5	U
319-85-7-----	beta-BHC	2.5	U
319-86-8-----	delta-BHC	2.5	U
58-89-9-----	gamma-BHC (Lindane)	20	
76-44-8-----	Heptachlor	18	
309-00-2-----	Aldrin	17	
1024-57-3-----	Heptachlor epoxide	2.5	U
959-98-8-----	Endosulfan I	2.5	U
60-57-1-----	Dieldrin	45	
72-55-9-----	4,4'-DDE	4.9	U
72-20-8-----	Endrin	48	
33213-65-9-----	Endosulfan II	4.9	U
72-54-8-----	4,4'-DDD	4.9	U
1031-07-8-----	Endosulfan sulfate	4.9	U
50-29-3-----	4,4'-DDT	44	
72-43-5-----	Methoxychlor	25	U
53494-70-5-----	Endrin ketone	4.9	U
7421-93-4-----	Endrin aldehyde	4.9	U
5103-71-9-----	alpha-Chlordane	2.5	U
5103-74-2-----	gamma-Chlordane	2.5	U
8001-35-2-----	Toxaphene	250	U
12674-11-2-----	Aroclor-1016	49	U
11104-28-2-----	Aroclor-1221	99	U
11141-16-5-----	Aroclor-1232	49	U
53469-21-9-----	Aroclor-1242	49	U
12672-29-6-----	Aroclor-1248	49	U
11097-69-1-----	Aroclor-1254	49	U
11096-82-5-----	Aroclor-1260	49	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS28D35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383009

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: E2B6622F

% Moisture: 21 decanted: (Y/N) N

Date Received: 12/02/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.7

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	2.1	U
319-85-7-----	beta-BHC	2.1	U
319-86-8-----	delta-BHC	2.1	U
58-89-9-----	gamma-BHC (Lindane)	2.1	U
76-44-8-----	Heptachlor	2.1	U
309-00-2-----	Aldrin	2.1	U
1024-57-3-----	Heptachlor epoxide	2.1	U
959-98-8-----	Endosulfan I	2.1	U
60-57-1-----	Dieldrin	4.1	U
72-55-9-----	4,4'-DDE	4.1	U
72-20-8-----	Endrin	4.1	U
33213-65-9-----	Endosulfan II	4.1	U
72-54-8-----	4,4'-DDD	4.1	U
1031-07-8-----	Endosulfan sulfate	4.1	U
50-29-3-----	4,4'-DDT	4.1	U
72-43-5-----	Methoxychlor	21	U
53494-70-5-----	Endrin ketone	4.1	U
7421-93-4-----	Endrin aldehyde	4.1	U
5103-71-9-----	alpha-Chlordane	2.1	U
5103-74-2-----	gamma-Chlordane	2.1	U
8001-35-2-----	Toxaphene	210	U
12674-11-2-----	Aroclor-1016	41	U
11104-28-2-----	Aroclor-1221	84	U
11141-16-5-----	Aroclor-1232	41	U
53469-21-9-----	Aroclor-1242	41	U
12672-29-6-----	Aroclor-1248	41	U
11097-69-1-----	Aroclor-1254	41	U
11096-82-5-----	Aroclor-1260	41	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS30B12

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383006

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: E2B6619F

% Moisture: 15 decanted: (Y/N) N

Date Received: 12/02/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	2.0	U
319-85-7-----	beta-BHC	2.0	U
319-86-8-----	delta-BHC	2.0	U
58-89-9-----	gamma-BHC (Lindane)	2.0	U
76-44-8-----	Heptachlor	2.0	U
309-00-2-----	Aldrin	2.0	U
1024-57-3-----	Heptachlor epoxide	2.0	U
959-98-8-----	Endosulfan I	2.0	U
60-57-1-----	Dieldrin	3.8	U
72-55-9-----	4,4'-DDE	3.8	U
72-20-8-----	Endrin	3.8	U
33213-65-9-----	Endosulfan II	3.8	U
72-54-8-----	4,4'-DDD	3.8	U
1031-07-8-----	Endosulfan sulfate	3.8	U
50-29-3-----	4,4'-DDT	3.8	U
72-43-5-----	Methoxychlor	20	U
53494-70-5-----	Endrin ketone	3.8	U
7421-93-4-----	Endrin aldehyde	3.8	U
5103-71-9-----	alpha-Chlordane	2.0	U
5103-74-2-----	gamma-Chlordane	2.0	U
8001-35-2-----	Toxaphene	200	U
12674-11-2-----	Aroclor-1016	38	U
11104-28-2-----	Aroclor-1221	78	U
11141-16-5-----	Aroclor-1232	38	U
53469-21-9-----	Aroclor-1242	38	U
12672-29-6-----	Aroclor-1248	38	U
11097-69-1-----	Aroclor-1254	38	U
11096-82-5-----	Aroclor-1260	38	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS30B35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383003

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: E2B6616F

% Moisture: 22 decanted: (Y/N) N

Date Received: 12/02/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.5

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	2.2	U
319-85-7-----	beta-BHC	2.2	U
319-86-8-----	delta-BHC	2.2	U
58-89-9-----	gamma-BHC (Lindane)	2.2	U
76-44-8-----	Heptachlor	2.2	U
309-00-2-----	Aldrin	2.2	U
1024-57-3-----	Heptachlor epoxide	2.2	U
959-98-8-----	Endosulfan I	2.2	U
60-57-1-----	Dieldrin	4.2	U
72-55-9-----	4,4'-DDE	4.2	U
72-20-8-----	Endrin	4.2	U
33213-65-9-----	Endosulfan II	4.2	U
72-54-8-----	4,4'-DDD	4.2	U
1031-07-8-----	Endosulfan sulfate	4.2	U
50-29-3-----	4,4'-DDT	4.2	U
72-43-5-----	Methoxychlor	22	U
53494-70-5-----	Endrin ketone	4.2	U
7421-93-4-----	Endrin aldehyde	4.2	U
5103-71-9-----	alpha-Chlordane	2.2	U
5103-74-2-----	gamma-Chlordane	2.2	U
8001-35-2-----	Toxaphene	220	U
12674-11-2-----	Aroclor-1016	42	U
11104-28-2-----	Aroclor-1221	85	U
11141-16-5-----	Aroclor-1232	42	U
53469-21-9-----	Aroclor-1242	42	U
12672-29-6-----	Aroclor-1248	42	U
11097-69-1-----	Aroclor-1254	42	U
11096-82-5-----	Aroclor-1260	42	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS30C3.5

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383008

Sample wt/vol: 30.9 (g/mL) G

Lab File ID: E2B6621F

% Moisture: 40 decanted: (Y/N) N

Date Received: 12/02/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	2.8	U
319-85-7-----	beta-BHC	2.8	U
319-86-8-----	delta-BHC	2.8	U
58-89-9-----	gamma-BHC (Lindane)	2.8	U
76-44-8-----	Heptachlor	2.8	U
309-00-2-----	Aldrin	2.8	U
1024-57-3-----	Heptachlor epoxide	2.8	U
959-98-8-----	Endosulfan I	2.8	U
60-57-1-----	Dieldrin	5.3	U
72-55-9-----	4,4'-DDE	6.0	
72-20-8-----	Endrin	5.3	U
33213-65-9-----	Endosulfan II	5.3	U
72-54-8-----	4,4'-DDD	5.3	U
1031-07-8-----	Endosulfan sulfate	5.3	U
50-29-3-----	4,4'-DDT	5.3	U
72-43-5-----	Methoxychlor	28	U
53494-70-5-----	Endrin ketone	5.3	U
7421-93-4-----	Endrin aldehyde	5.3	U
5103-71-9-----	alpha-Chlordane	2.8	U
5103-74-2-----	gamma-Chlordane	5.1	
8001-35-2-----	Toxaphene	280	U
12674-11-2-----	Aroclor-1016	53	U
11104-28-2-----	Aroclor-1221	110	U
11141-16-5-----	Aroclor-1232	53	U
53469-21-9-----	Aroclor-1242	88	
12672-29-6-----	Aroclor-1248	53	U
11097-69-1-----	Aroclor-1254	100	
11096-82-5-----	Aroclor-1260	53	U

000107

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS30C35

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: 62383007

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: E2B6620F

% Moisture: 19 decanted: (Y/N) N

Date Received: 12/02/99

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.8

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	2.1	U
319-85-7-----	beta-BHC	2.1	U
319-86-8-----	delta-BHC	2.1	U
58-89-9-----	gamma-BHC (Lindane)	2.1	U
76-44-8-----	Heptachlor	2.1	U
309-00-2-----	Aldrin	2.1	U
1024-57-3-----	Heptachlor epoxide	2.1	U
959-98-8-----	Endosulfan I	2.1	U
60-57-1-----	Dieldrin	4.0	U
72-55-9-----	4,4'-DDE	4.0	U
72-20-8-----	Endrin	4.0	U
33213-65-9-----	Endosulfan II	4.0	U
72-54-8-----	4,4'-DDD	4.0	U
1031-07-8-----	Endosulfan sulfate	4.0	U
50-29-3-----	4,4'-DDT	4.0	U
72-43-5-----	Methoxychlor	21	U
53494-70-5-----	Endrin ketone	4.0	U
7421-93-4-----	Endrin aldehyde	4.0	U
5103-71-9-----	alpha-Chlordane	2.1	U
5103-74-2-----	gamma-Chlordane	2.1	U
8001-35-2-----	Toxaphene	210	U
12674-11-2-----	Aroclor-1016	40	U
11104-28-2-----	Aroclor-1221	81	U
11141-16-5-----	Aroclor-1232	40	U
53469-21-9-----	Aroclor-1242	40	U
12672-29-6-----	Aroclor-1248	40	U
11097-69-1-----	Aroclor-1254	40	U
11096-82-5-----	Aroclor-1260	40	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK03LCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: P1206-LS2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: E2B6782F

% Moisture: 0 decanted: (Y/N) N

Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/28/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ____

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----alpha-BHC	1.7	U
319-85-7-----beta-BHC	1.7	U
319-86-8-----delta-BHC	1.7	U
58-89-9-----gamma-BHC (Lindane)	12	
76-44-8-----Heptachlor	12	
309-00-2-----Aldrin	11	
1024-57-3-----Heptachlor epoxide	1.7	U
959-98-8-----Endosulfan I	1.7	U
60-57-1-----Dieldrin	27	
72-55-9-----4,4'-DDE	3.3	U
72-20-8-----Endrin	14	P
33213-65-9-----Endosulfan II	3.3	U
72-54-8-----4,4'-DDD	3.3	U
1031-07-8-----Endosulfan sulfate	3.3	U
50-29-3-----4,4'-DDT	25	
72-43-5-----Methoxychlor	17	U
53494-70-5-----Endrin ketone	3.3	U
7421-93-4-----Endrin aldehyde	3.3	U
5103-71-9-----alpha-Chlordane	1.7	U
5103-74-2-----gamma-Chlordane	1.7	U
8001-35-2-----Toxaphene	170	U
12674-11-2-----Aroclor-1016	33	U
11104-28-2-----Aroclor-1221	67	U
11141-16-5-----Aroclor-1232	33	U
53469-21-9-----Aroclor-1242	33	U
12672-29-6-----Aroclor-1248	33	U
11097-69-1-----Aroclor-1254	33	U
11096-82-5-----Aroclor-1260	33	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK04LCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: P1203-LW1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6659F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 12/03/99

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.41	
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.42	
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.92	
72-55-9-----	4,4'-DDE	0.87	
72-20-8-----	Endrin	0.89	
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.72	
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.41	
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS24B35

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62383

Matrix (soil/water): SOIL Lab Sample ID: 62383001

Level (low/med): MED Date Received: 12/02/99

% Solids: 84.0

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11100			P
7440-36-0	Antimony	0.43	U	N	P
7440-38-2	Arsenic	5.9			P
7440-39-3	Barium	46.6			P
7440-41-7	Beryllium	0.52	B		P
7440-43-9	Cadmium	0.15	B		P
7440-70-2	Calcium	2330			P
7440-47-3	Chromium	12.8		E	P
7440-48-4	Cobalt	10.0	B		P
7440-50-8	Copper	19.7			P
7439-89-6	Iron	22600			P
7439-92-1	Lead	14.3			P
7439-95-4	Magnesium	4470			P
7439-96-5	Manganese	775		N	P
7439-97-6	Mercury	0.060	U		CV
7440-02-0	Nickel	25.7			P
7440-09-7	Potassium	825	B		P
7782-49-2	Selenium	15.4		*	P
7440-22-4	Silver	1.4	B		P
7440-23-5	Sodium	67.3	B		P
7440-28-0	Thallium	0.87	U		P
7440-62-2	Vanadium	17.4			P
7440-66-6	Zinc	60.1			P
56-12-5	Cyanide	0.22	B	*	C

Handwritten notes:
J
few ok
as is

Color Before: BROWN Clarity Before: _____

Handwritten: 2/24/00

Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS24A11

Lab Name: MITKEM_CORPORATION _____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62383__

Matrix (soil/water): SOIL _____ Lab Sample ID: 62383002 _____

Level (low/med): MED _____ Date Received: 12/02/99 _____

% Solids: 36.0 _____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9960			P
7440-36-0	Antimony	346		N	P
7440-38-2	Arsenic	5.0			P
7440-39-3	Barium	143			P
7440-41-7	Beryllium	0.17	B		P
7440-43-9	Cadmium	2.4	B		P
7440-70-2	Calcium	38900			P
7440-47-3	Chromium	26.6		E	P
7440-48-4	Cobalt	10.0	B		P
7440-50-8	Copper	37.7			P
7439-89-6	Iron	57600			P
7439-92-1	Lead	266			P
7439-95-4	Magnesium	4540			P
7439-96-5	Manganese	990		N	P
7439-97-6	Mercury	~~0.54~~			CV
7440-02-0	Nickel	51.7			P
7440-09-7	Potassium	633	B		P
7782-49-2	Selenium	2.4	U	*	P
7440-22-4	Silver	5.8			P
7440-23-5	Sodium	1180	B		P
7440-28-0	Thallium	2.3	B		P
7440-62-2	Vanadium	13.5	B		P
7440-66-6	Zinc	791			P
56-12-5	Cyanide	0.26	B	*	C

OK AS IS
0.54

Color Before: BROWN _____ Clarity Before: _____

Texture: MEDIUM

Color After: YELLOW _____ Clarity After: CLEAR _____

Artifacts: _____

Comments:

12/11/99
kin

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS30B35

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62383

Matrix (soil/water): SOIL Lab Sample ID: 62383003

Level (low/med): MED Date Received: 12/02/99

% Solids: 82.0

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11100			P
7440-36-0	Antimony	0.37	U	N	P
7440-38-2	Arsenic	4.7			P
7440-39-3	Barium	51.3			P
7440-41-7	Beryllium	0.49	B		P
7440-43-9	Cadmium	0.033	B		P
7440-70-2	Calcium	161	B		P
7440-47-3	Chromium	11.1		E	P
7440-48-4	Cobalt	9.0	B		P
7440-50-8	Copper	12.3			P
7439-89-6	Iron	18700			P
7439-92-1	Lead	17.2			P
7439-95-4	Magnesium	3160			P
7439-96-5	Manganese	821		N	P
7439-97-6	Mercury	0.055	B		CV
7440-02-0	Nickel	18.6			P
7440-09-7	Potassium	469	B		P
7782-49-2	Selenium	19.9		*	P
7440-22-4	Silver	1.1	B		P
7440-23-5	Sodium	26.5	B		P
7440-28-0	Thallium	0.89	B		P
7440-62-2	Vanadium	17.2			P
7440-66-6	Zinc	50.2			P
56-12-5	Cyanide	0.060	U	*	C

Color Before: BROWN Clarity Before: _____

Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS26A35

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62383

Matrix (soil/water): SOIL Lab Sample ID: 62383004

Level (low/med): MED Date Received: 12/02/99

% Solids: 85.0

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12700			P
7440-36-0	Antimony	0.34	U	N	P
7440-38-2	Arsenic	3.0			P
7440-39-3	Barium	55.8			P
7440-41-7	Beryllium	0.57	B		P
7440-43-9	Cadmium	0.034	B		P
7440-70-2	Calcium	194	B		P
7440-47-3	Chromium	13.5		E	P
7440-48-4	Cobalt	8.0	B		P
7440-50-8	Copper	16.3			P
7439-89-6	Iron	16900			P
7439-92-1	Lead	24.9			P
7439-95-4	Magnesium	4060			P
7439-96-5	Manganese	183		N	P
7439-97-6	Mercury	0.071	B		CV
7440-02-0	Nickel	21.9			P
7440-09-7	Potassium	563	B		P
7782-49-2	Selenium	17.7		*	P
7440-22-4	Silver	0.82	B		P
7440-23-5	Sodium	34.9	B		P
7440-28-0	Thallium	0.68	U		P
7440-62-2	Vanadium	17.8			P
7440-66-6	Zinc	57.5			P
56-12-5	Cyanide	0.051	B	*	C

Color Before: BROWN Clarity Before: _____

Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS26A6

Lab Name: MITKEM CORPORATION _____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62383__

Matrix (soil/water): SOIL _____ Lab Sample ID: 62383005 _____

Level (low/med): MED _____ Date Received: 12/02/99 _____

% Solids: 31.0 _____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	35500			P
7440-36-0	Antimony	1.0	U	N	P
7440-38-2	Arsenic	11.8			P
7440-39-3	Barium	98.0	B		P
7440-41-7	Beryllium	1.6	B		P
7440-43-9	Cadmium	0.64	B		P
7440-70-2	Calcium	2550	B		P
7440-47-3	Chromium	70.3		E	P
7440-48-4	Cobalt	22.7	B		P
7440-50-8	Copper	126			P
7439-89-6	Iron	71700			P
7439-92-1	Lead	173			P
7439-95-4	Magnesium	15900			P
7439-96-5	Manganese	589		N	P
7439-97-6	~~Mercury~~	~~0.52~~			~~CV~~
7440-02-0	Nickel	148			P
7440-09-7	Potassium	1730	B		P
7782-49-2	Selenium	67.2		*	P
7440-22-4	Silver	8.3			P
7440-23-5	Sodium	285	B		P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	55.2			P
7440-66-6	Zinc	321			P
56-12-5	Cyanide	0.43	B	*	C

Color Before: BROWN _____ Clarity Before: _____ Texture: CLAY _____

Color After: YELLOW _____ Clarity After: CLEAR _____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS30B12

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62383__

Matrix (soil/water): SOIL_____ Lab Sample ID: 62383006_____

Level (low/med): MED_____ Date Received: 12/02/99_____

% Solids: 87.0_____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13000			P
7440-36-0	Antimony	0.31	U	N	P
7440-38-2	Arsenic	4.7			P
7440-39-3	Barium	51.5			P
7440-41-7	Beryllium	0.56	B		P
7440-43-9	Cadmium	0.015	U		P
7440-70-2	Calcium	2800			P
7440-47-3	Chromium	15.0		E	P
7440-48-4	Cobalt	13.3			P
7440-50-8	Copper	21.6			P
7439-89-6	Iron	24100			P
7439-92-1	Lead	15.9			P
7439-95-4	Magnesium	4660			P
7439-96-5	Manganese	851		N	P
7439-97-6	Mercury	0.048	U		CV
7440-02-0	Nickel	27.7			P
7440-09-7	Potassium	1070			P
7782-49-2	Selenium	15.5		*	P
7440-22-4	Silver	1.2	B		P
7440-23-5	Sodium	153	B		P
7440-28-0	Thallium	0.72	B		P
7440-62-2	Vanadium	18.9			P
7440-66-6	Zinc	80.2			P
56-12-5	Cyanide	0.055	U	*	C

Color Before: GREY_____ Clarity Before: _____ Texture: CLAY__

Color After: YELLOW_____ Clarity After: CLEAR__ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS30C35

Lab Name: MITKEM_CORPORATION Contract: _____

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

SDG No.: 62383

Matrix (soil/water): SOIL Lab Sample ID: 62383007

Level (low/med): MED Date Received: 12/02/99

% Solids: 86.0

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11700			P
7440-36-0	Antimony	0.33	U	N	P
7440-38-2	Arsenic	4.8			P
7440-39-3	Barium	45.1			P
7440-41-7	Beryllium	0.45	B		P
7440-43-9	Cadmium	0.016	U		P
7440-70-2	Calcium	116	B		P
7440-47-3	Chromium	11.6		E	P
7440-48-4	Cobalt	8.9			P
7440-50-8	Copper	12.0			P
7439-89-6	Iron	19300			P
7439-92-1	Lead	15.6			P
7439-95-4	Magnesium	3400			P
7439-96-5	Manganese	940		N	P
7439-97-6	Mercury	0.058	U		CV
7440-02-0	Nickel	19.4			P
7440-09-7	Potassium	619	B		P
7782-49-2	Selenium	20.0		*	P
7440-22-4	Silver	1.0	B		P
7440-23-5	Sodium	21.8	U		P
7440-28-0	Thallium	0.65	U		P
7440-62-2	Vanadium	17.1			P
7440-66-6	Zinc	46.8			P
56-12-5	Cyanide	0.099	B	*	C

Color Before: BROWN Clarity Before: _____

Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS30C3.5

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62383

Matrix (soil/water): SOIL Lab Sample ID: 62383008

Level (low/med): MED Date Received: 12/02/99

% Solids: 81.0

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12600			P
7440-36-0	Antimony	0.40	U	N	P
7440-38-2	Arsenic	4.9			P
7440-39-3	Barium	74.3			P
7440-41-7	Beryllium	0.50	B		P
7440-43-9	Cadmium	3.7			P
7440-70-2	Calcium	1330			P
7440-47-3	Chromium	19.2		E	P
7440-48-4	Cobalt	10.0			P
7440-50-8	Copper	31.3			P
7439-89-6	Iron	22400			P
7439-92-1	Lead	94.9			P
7439-95-4	Magnesium	4460			P
7439-96-5	Manganese	266		N	P
7439-97-6	Mercury	0.088	B		CV
7440-02-0	Nickel	27.9			P
7440-09-7	Potassium	1040			P
7782-49-2	Selenium	18.2		*	P
7440-22-4	Silver	1.2	B		P
7440-23-5	Sodium	198	B		P
7440-28-0	Thallium	0.81	U		P
7440-62-2	Vanadium	18.4			P
7440-66-6	Zinc	251			P
56-12-5	Cyanide	0.13	B	*	C

Color Before: BROWN Clarity Before: _____ Texture: CLAY

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

3/27/00
1125

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS28D35

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62383__

Matrix (soil/water): SOIL_____ Lab Sample ID: 62383009_____

Level (low/med): MED_____ Date Received: 12/02/99_____

% Solids: 83.0_____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11800			P
7440-36-0	Antimony	0.46	U	N	P
7440-38-2	Arsenic	4.9			P
7440-39-3	Barium	53.5			P
7440-41-7	Beryllium	0.48	B		P
7440-43-9	Cadmium	0.12	B		P
7440-70-2	Calcium	435	B		P
7440-47-3	Chromium	11.0		E	P
7440-48-4	Cobalt	7.4	B		P
7440-50-8	Copper	13.1			P
7439-89-6	Iron	17900			P
7439-92-1	Lead	23.9			P
7439-95-4	Magnesium	3170			P
7439-96-5	Manganese	849		N	P
7439-97-6	Mercury	0.057	U		CV
7440-02-0	Nickel	17.7			P
7440-09-7	Potassium	561	B		P
7782-49-2	Selenium	7.2		*	P
7440-22-4	Silver	0.92	B		P
7440-23-5	Sodium	30.8	U		P
7440-28-0	Thallium	0.92	U		P
7440-62-2	Vanadium	18.2			P
7440-66-6	Zinc	59.5			P
56-12-5	Cyanide	0.19	B	*	C

Color Before: BROWN_____ Clarity Before: _____

Texture: MEDIUM

Color After: YELLOW_____ Clarity After: CLEAR_____

Artifacts: _____

Comments:

1129

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS28B35

Lab Name: MITKEM_CORPORATION_____

Contract: _____

Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: 62383__

Matrix (soil/water): SOIL_____

Lab Sample ID: 62383010_____

Level (low/med): MED_____

Date Received: 12/02/99_____

% Solids: 74.0_____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11900			P
7440-36-0	Antimony	0.54	U	N	P
7440-38-2	Arsenic	2.3	B	N	P
7440-39-3	Barium	45.4	B		P
7440-41-7	Beryllium	0.43	B		P
7440-43-9	Cadmium	0.027	U		P
7440-70-2	Calcium	269	B		P
7440-47-3	Chromium	10.9		E	P
7440-48-4	Cobalt	5.3	B		P
7440-50-8	Copper	9.2			P
7439-89-6	Iron	14800			P
7439-92-1	Lead	16.5		N	P
7439-95-4	Magnesium	3070			P
7439-96-5	Manganese	185		N	P
7439-97-6	Mercury	0.059	U		CV
7440-02-0	Nickel	17.3			P
7440-09-7	Potassium	448	B		P
7782-49-2	Selenium	6.3		*N	P
7440-22-4	Silver	0.67	B		P
7440-23-5	Sodium	36.2	U		P
7440-28-0	Thallium	1.1	U	N	P
7440-62-2	Vanadium	15.8			P
7440-66-6	Zinc	50.6			P
56-12-5	Cyanide	0.86		*	C

Color Before: BROWN_____

Clarity Before: _____

Texture: MEDIUM

Color After: YELLOW_____

Clarity After: CLEAR_____

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS26B8

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62383__

Matrix (soil/water): SOIL_____ Lab Sample ID: 62383011_____

Level (low/med): MED_____ Date Received: 12/02/99_____

% Solids: 52.0_____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6680			P
7440-36-0	Antimony	0.69	U	N	P
7440-38-2	Arsenic	3.9			P
7440-39-3	Barium	79.3			P
7440-41-7	Beryllium	0.15	B		P
7440-43-9	Cadmium	0.56	B		P
7440-70-2	Calcium	14000			P
7440-47-3	Chromium	15.9		E	P
7440-48-4	Cobalt	7.1	B		P
7440-50-8	Copper	18.2			P
7439-89-6	Iron	68400			P
7439-92-1	Lead	48.1			P
7439-95-4	Magnesium	2510			P
7439-96-5	Manganese	521		N	P
7439-97-6	Mercury	0.13	B		CV
7440-02-0	Nickel	23.2			P
7440-09-7	Potassium	570	B		P
7782-49-2	Selenium	1.7	U	*	P
7440-22-4	Silver	4.5			P
7440-23-5	Sodium	535	B		P
7440-28-0	Thallium	1.4	U		P
7440-62-2	Vanadium	14.4	B		P
7440-66-6	Zinc	168			P
56-12-5	Cyanide	14.7		*	C

Color Before: DARK_BROWN Clarity Before: _____ Texture: CLAY__

Color After: YELLOW__ Clarity After: CLEAR__ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DUP120199

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62383

Matrix (soil/water): SOIL Lab Sample ID: 62383012

Level (low/med): MED Date Received: 12/02/99

% Solids: 83.0

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11500			P
7440-36-0	Antimony	0.45	U	N	P
7440-38-2	Arsenic	5.7			P
7440-39-3	Barium	46.2			P
7440-41-7	Beryllium	0.49	B		P
7440-43-9	Cadmium	0.022	U		P
7440-70-2	Calcium	90.1	B		P
7440-47-3	Chromium	12.4		E	P
7440-48-4	Cobalt	8.1	B		P
7440-50-8	Copper	11.2			P
7439-89-6	Iron	20600			P
7439-92-1	Lead	17.1			P
7439-95-4	Magnesium	3100			P
7439-96-5	Manganese	743		N	P
7439-97-6	Mercury	0.048	U		CV
7440-02-0	Nickel	18.5			P
7440-09-7	Potassium	424	B		P
7782-49-2	Selenium	8.2		*	P
7440-22-4	Silver	1.0	B		P
7440-23-5	Sodium	29.9	U		P
7440-28-0	Thallium	0.89	U		P
7440-62-2	Vanadium	17.8			P
7440-66-6	Zinc	45.7			P
56-12-5	Cyanide	0.077	B	*	C

Color Before: BROWN Clarity Before: _____

Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

1120
12/20

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

FB120199

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62383__

Matrix (soil/water): WATER_____ Lab Sample ID: 62383013_____

Level (low/med): MED_____ Date Received: 12/02/99_____

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20.0	U		P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	13.5	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.62	B		P
7440-70-2	Calcium	203	U		P
7440-47-3	Chromium	0.88	B		P
7440-48-4	Cobalt	0.92	B		P
7440-50-8	Copper	1.7	B		P
7439-89-6	Iron	22.0	B		P
7439-92-1	Lead	4.7			P
7439-95-4	Magnesium	29.5	B		P
7439-96-5	Manganese	1.8	B		P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	0.70	B		P
7440-09-7	Potassium	74.0	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	1.3	B		P
7440-23-5	Sodium	134	U		P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	0.40	U		P
7440-66-6	Zinc	13.0	U		P
56-12-5	Cyanide	1.9	B		C

Color Before: BROWN_____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW_____ Clarity After: CLEAR_____ Artifacts: _____

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK1E

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: V1B1206A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8382

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/06/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	1	J
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK1E

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: V1B1206A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8382

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/06/99

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.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK1F

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: V1B1207A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8412

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/07/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	-----Chloromethane	10 U	
74-83-9	-----Bromomethane	10 U	
75-01-4	-----Vinyl Chloride	10 U	
75-00-3	-----Chloroethane	10 U	
75-09-2	-----Methylene Chloride	10 U	
67-64-1	-----Acetone	2 J	
75-15-0	-----Carbon Disulfide	10 U	
75-35-4	-----1,1-Dichloroethene	10 U	
75-34-3	-----1,1-Dichloroethane	10 U	
540-59-0	-----1,2-Dichloroethene (Total)	10 U	
67-66-3	-----Chloroform	10 U	
107-06-2	-----1,2-Dichloroethane	10 U	
78-93-3	-----2-Butanone	10 U	
71-55-6	-----1,1,1-Trichloroethane	10 U	
56-23-5	-----Carbon Tetrachloride	10 U	
75-27-4	-----Bromodichloromethane	10 U	
78-87-5	-----1,2-Dichloropropane	10 U	
10061-01-5	-----cis-1,3-Dichloropropene	10 U	
79-01-6	-----Trichloroethene	10 U	
124-48-1	-----Dibromochloromethane	10 U	
79-00-5	-----1,1,2-Trichloroethane	10 U	
71-43-2	-----Benzene	10 U	
10061-02-6	-----trans-1,3-Dichloropropene	10 U	
75-25-2	-----Bromoform	10 U	
108-10-1	-----4-Methyl-2-Pentanone	10 U	
591-78-6	-----2-Hexanone	10 U	
127-18-4	-----Tetrachloroethene	10 U	
79-34-5	-----1,1,2,2-Tetrachloroethane	10 U	
108-88-3	-----Toluene	10 U	
108-90-7	-----Chlorobenzene	10 U	
100-41-4	-----Ethylbenzene	10 U	
100-42-5	-----Styrene	10 U	
1330-20-7	-----Xylene (Total)	10 U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK1F

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: V1B1207A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1C8412

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/07/99

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.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2S

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: V2B1208A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2C8012

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/08/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	2	J
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

000147

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBK2S

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: V2B1208A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2C8012

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/08/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

VBLK2U

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: V2B1209B

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2C8052

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/09/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	-----Chloromethane	10 U	
74-83-9	-----Bromomethane	10 U	
75-01-4	-----Vinyl Chloride	10 U	
75-00-3	-----Chloroethane	10 U	
75-09-2	-----Methylene Chloride	10 U	
67-64-1	-----Acetone	10 U	
75-15-0	-----Carbon Disulfide	10 U	
75-35-4	-----1,1-Dichloroethene	10 U	
75-34-3	-----1,1-Dichloroethane	10 U	
540-59-0	-----1,2-Dichloroethene (Total)	10 U	
67-66-3	-----Chloroform	10 U	
107-06-2	-----1,2-Dichloroethane	10 U	
78-93-3	-----2-Butanone	10 U	
71-55-6	-----1,1,1-Trichloroethane	10 U	
56-23-5	-----Carbon Tetrachloride	10 U	
75-27-4	-----Bromodichloromethane	10 U	
78-87-5	-----1,2-Dichloropropane	10 U	
10061-01-5	-----cis-1,3-Dichloropropene	10 U	
79-01-6	-----Trichloroethene	10 U	
124-48-1	-----Dibromochloromethane	10 U	
79-00-5	-----1,1,2-Trichloroethane	10 U	
71-43-2	-----Benzene	10 U	
10061-02-6	-----trans-1,3-Dichloropropene	10 U	
75-25-2	-----Bromoform	10 U	
108-10-1	-----4-Methyl-2-Pentanone	10 U	
591-78-6	-----2-Hexanone	10 U	
127-18-4	-----Tetrachloroethene	10 U	
79-34-5	-----1,1,2,2-Tetrachloroethane	10 U	
108-88-3	-----Toluene	10 U	
108-90-7	-----Chlorobenzene	10 U	
100-41-4	-----Ethylbenzene	10 U	
100-42-5	-----Styrene	10 U	
1330-20-7	-----Xylene (Total)	10 U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK2U

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: V2B1209B

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2C8052

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 12/09/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK2U

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: V2B1209C

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2C8071

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. _____

Date Analyzed: 12/10/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	-----Chloromethane	10 U	
74-83-9	-----Bromomethane	10 U	
75-01-4	-----Vinyl Chloride	10 U	
75-00-3	-----Chloroethane	10 U	
75-09-2	-----Methylene Chloride	10 U	
67-64-1	-----Acetone	10 U	
75-15-0	-----Carbon Disulfide	10 U	
75-35-4	-----1,1-Dichloroethene	10 U	
75-34-3	-----1,1-Dichloroethane	10 U	
540-59-0	-----1,2-Dichloroethene (Total)	10 U	
67-66-3	-----Chloroform	1 J	
107-06-2	-----1,2-Dichloroethane	10 U	
78-93-3	-----2-Butanone	10 U	
71-55-6	-----1,1,1-Trichloroethane	10 U	
56-23-5	-----Carbon Tetrachloride	10 U	
75-27-4	-----Bromodichloromethane	10 U	
78-87-5	-----1,2-Dichloropropane	10 U	
10061-01-5	-----cis-1,3-Dichloropropene	10 U	
79-01-6	-----Trichloroethene	10 U	
124-48-1	-----Dibromochloromethane	10 U	
79-00-5	-----1,1,2-Trichloroethane	10 U	
71-43-2	-----Benzene	10 U	
10061-02-6	-----trans-1,3-Dichloropropene	10 U	
75-25-2	-----Bromoform	10 U	
108-10-1	-----4-Methyl-2-Pentanone	10 U	
591-78-6	-----2-Hexanone	10 U	
127-18-4	-----Tetrachloroethene	3 J	
79-34-5	-----1,1,2,2-Tetrachloroethane	10 U	
108-88-3	-----Toluene	10 U	
108-90-7	-----Chlorobenzene	10 U	
100-41-4	-----Ethylbenzene	10 U	
100-42-5	-----Styrene	10 U	
1330-20-7	-----Xylene (Total)	10 U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK2U

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: V2B1209C

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2C8071

Level: (low/med) LOW

Date Received: 12/02/99

% Moisture: not dec. _____

Date Analyzed: 12/10/99

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1M

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: S1203-BW3

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B1873

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/03/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/14/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10 U	
111-44-4	bis(-2-Chloroethyl) Ether	10 U	
95-57-8	2-Chlorophenol	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	
95-48-7	2-Methylphenol	10 U	
108-60-1	2,2'-oxybis(1-Chloropropane)	10 U	
106-44-5	4-Methylphenol	10 U	
621-64-7	N-Nitroso-di-n-propylamine	10 U	
67-72-1	Hexachloroethane	10 U	
98-95-3	Nitrobenzene	10 U	
78-59-1	Isophorone	10 U	
88-75-5	2-Nitrophenol	10 U	
105-67-9	2,4-Dimethyphenol	10 U	
120-83-2	2,4-Dichlorophenol	10 U	
120-82-1	1,2,4-Trichlorobenzene	10 U	
91-20-3	Naphthalene	10 U	
106-47-8	4-Chloroaniline	10 U	
111-91-1	bis(2-Chloroethoxy)methane	10 U	
87-68-3	Hexachlorobutadiene	10 U	
59-50-7	4-Chloro-3-methylphenol	10 U	
91-57-6	2-Methylnaphthalene	10 U	
77-47-4	Hexachlorocyclopentadiene	10 U	
88-06-2	2,4,6-Trichlorophenol	10 U	
95-95-4	2,4,5-Trichlorophenol	25 U	
91-58-7	2-Chloronaphthalene	10 U	
88-74-4	2-Nitroaniline	25 U	
131-11-3	Dimethylphthalate	10 U	
208-96-8	Acenaphthylene	10 U	
606-20-2	2,6-Dinitrotoluene	10 U	
99-09-2	3-Nitroaniline	25 U	
83-32-9	Acenaphthene	10 U	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1M

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 62383
 Matrix: (soil/water) WATER Lab Sample ID: S1203-BW3
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1B1873
 Level: (low/med) LOW Date Received: _____
 % Moisture: _____ decanted: (Y/N) _____ Date Extracted: 12/03/99
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/14/99
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

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

CAS NO. COMPOUND Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK1M

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: S1203-BW3

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B1873

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/03/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/14/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1R

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: S1206-BS3

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S1B2241

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

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

108-95-2-----	Phenol	330	U
111-44-4-----	bis(-2-Chloroethyl) Ether	330	U
95-57-8-----	2-Chlorophenol	330	U
541-73-1-----	1,3-Dichlorobenzene	330	U
106-46-7-----	1,4-Dichlorobenzene	330	U
95-50-1-----	1,2-Dichlorobenzene	330	U
95-48-7-----	2-Methylphenol	330	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5-----	4-Methylphenol	330	U
621-64-7-----	N-Nitroso-di-n-propylamine	330	U
67-72-1-----	Hexachloroethane	330	U
98-95-3-----	Nitrobenzene	330	U
78-59-1-----	Isophorone	330	U
88-75-5-----	2-Nitrophenol	330	U
105-67-9-----	2,4-Dimethylphenol	330	U
120-83-2-----	2,4-Dichlorophenol	330	U
120-82-1-----	1,2,4-Trichlorobenzene	330	U
91-20-3-----	Naphthalene	330	U
106-47-8-----	4-Chloroaniline	330	U
111-91-1-----	bis(2-Chloroethoxy)methane	330	U
87-68-3-----	Hexachlorobutadiene	330	U
59-50-7-----	4-Chloro-3-methylphenol	330	U
91-57-6-----	2-Methylnaphthalene	330	U
77-47-4-----	Hexachlorocyclopentadiene	330	U
88-06-2-----	2,4,6-Trichlorophenol	330	U
95-95-4-----	2,4,5-Trichlorophenol	830	U
91-58-7-----	2-Chloronaphthalene	330	U
88-74-4-----	2-Nitroaniline	830	U
131-11-3-----	Dimethylphthalate	330	U
208-96-8-----	Acenaphthylene	330	U
606-20-2-----	2,6-Dinitrotoluene	330	U
99-09-2-----	3-Nitroaniline	830	U
83-32-9-----	Acenaphthene	330	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1R

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: S1206-BS3

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S1B2241

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 12/06/99

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 01/03/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ____

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	830	U
100-02-7-----	4-Nitrophenol	830	U
132-64-9-----	Dibenzofuran	330	U
121-14-2-----	2,4-Dinitrotoluene	330	U
84-66-2-----	Diethylphthalate	330	U
7005-72-3-----	4-Chlorophenyl-phenylether	330	U
86-73-7-----	Fluorene	330	U
100-01-6-----	4-Nitroaniline	830	U
534-52-1-----	4,6-Dinitro-2-methylphenol	830	U
86-30-6-----	N-Nitrosodiphenylamine (1)	330	U
101-55-3-----	4-Bromophenyl-phenylether	330	U
118-74-1-----	Hexachlorobenzene	330	U
87-86-5-----	Pentachlorophenol	830	U
85-01-8-----	Phenanthrene	330	U
120-12-7-----	Anthracene	330	U
86-74-8-----	Carbazole	330	U
84-74-2-----	Di-n-butylphthalate	330	U
206-44-0-----	Fluoranthene	330	U
129-00-0-----	Pyrene	330	U
85-68-7-----	Butylbenzylphthalate	330	U
91-94-1-----	3,3'-Dichlorobenzidine	330	U
56-55-3-----	Benzo(a)anthracene	330	U
218-01-9-----	Chrysene	330	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	330	U
117-84-0-----	Di-n-octylphthalate	330	U
205-99-2-----	Benzo(b)fluoranthene	330	U
207-08-9-----	Benzo(k)fluoranthene	330	U
50-32-8-----	Benzo(a)pyrene	330	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	330	U
53-70-3-----	Dibenzo(a,h)anthracene	330	U
191-24-2-----	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK03

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) SOIL

Lab Sample ID: P1206-BS2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: E2B6781F

% Moisture: 0 decanted: (Y/N) N

Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/06/99

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 12/28/99

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: ____

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	1.7	U
319-85-7-----	beta-BHC	1.7	U
319-86-8-----	delta-BHC	1.7	U
58-89-9-----	gamma-BHC (Lindane)	1.7	U
76-44-8-----	Heptachlor	1.7	U
309-00-2-----	Aldrin	1.7	U
1024-57-3-----	Heptachlor epoxide	1.7	U
959-98-8-----	Endosulfan I	1.7	U
60-57-1-----	Dieldrin	3.3	U
72-55-9-----	4,4'-DDE	3.3	U
72-20-8-----	Endrin	3.3	U
33213-65-9-----	Endosulfan II	3.3	U
72-54-8-----	4,4'-DDD	3.3	U
1031-07-8-----	Endosulfan sulfate	3.3	U
50-29-3-----	4,4'-DDT	3.3	U
72-43-5-----	Methoxychlor	17	U
53494-70-5-----	Endrin ketone	3.3	U
7421-93-4-----	Endrin aldehyde	3.3	U
5103-71-9-----	alpha-Chlordane	1.7	U
5103-74-2-----	gamma-Chlordane	1.7	U
8001-35-2-----	Toxaphene	170	U
12674-11-2-----	Aroclor-1016	33	U
11104-28-2-----	Aroclor-1221	67	U
11141-16-5-----	Aroclor-1232	33	U
53469-21-9-----	Aroclor-1242	33	U
12672-29-6-----	Aroclor-1248	33	U
11097-69-1-----	Aroclor-1254	33	U
11096-82-5-----	Aroclor-1260	33	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK04

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: P1203-BW1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6658F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 12/03/99

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----alpha-BHC	0.050	U
319-85-7-----beta-BHC	0.050	U
319-86-8-----delta-BHC	0.050	U
58-89-9-----gamma-BHC (Lindane)	0.050	U
76-44-8-----Heptachlor	0.050	U
309-00-2-----Aldrin	0.050	U
1024-57-3-----Heptachlor epoxide	0.050	U
959-98-8-----Endosulfan I	0.050	U
60-57-1-----Dieldrin	0.10	U
72-55-9-----4,4'-DDE	0.10	U
72-20-8-----Endrin	0.10	U
33213-65-9-----Endosulfan II	0.10	U
72-54-8-----4,4'-DDD	0.10	U
1031-07-8-----Endosulfan sulfate	0.10	U
50-29-3-----4,4'-DDT	0.10	U
72-43-5-----Methoxychlor	0.50	U
53494-70-5-----Endrin ketone	0.10	U
7421-93-4-----Endrin aldehyde	0.10	U
5103-71-9-----alpha-Chlordane	0.050	U
5103-74-2-----gamma-Chlordane	0.050	U
8001-35-2-----Toxaphene	5.0	U
12674-11-2-----Aroclor-1016	1.0	U
11104-28-2-----Aroclor-1221	2.0	U
11141-16-5-----Aroclor-1232	1.0	U
53469-21-9-----Aroclor-1242	1.0	U
12672-29-6-----Aroclor-1248	1.0	U
11097-69-1-----Aroclor-1254	1.0	U
11096-82-5-----Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKI1

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK11

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6510F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/18/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKI1

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK11

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6510R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/18/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----alpha-BHC	0.025	U
319-85-7-----beta-BHC	0.025	U
319-86-8-----delta-BHC	0.025	U
58-89-9-----gamma-BHC (Lindane)	0.025	U
76-44-8-----Heptachlor	0.025	U
309-00-2-----Aldrin	0.025	U
1024-57-3-----Heptachlor epoxide	0.025	U
959-98-8-----Endosulfan I	0.025	U
60-57-1-----Dieldrin	0.050	U
72-55-9-----4,4'-DDE	0.050	U
72-20-8-----Endrin	0.050	U
33213-65-9-----Endosulfan II	0.050	U
72-54-8-----4,4'-DDD	0.050	U
1031-07-8-----Endosulfan sulfate	0.050	U
50-29-3-----4,4'-DDT	0.050	U
72-43-5-----Methoxychlor	0.25	U
53494-70-5-----Endrin ketone	0.050	U
7421-93-4-----Endrin aldehyde	0.050	U
5103-71-9-----alpha-Chlordane	0.025	U
5103-74-2-----gamma-Chlordane	0.025	U
8001-35-2-----Toxaphene	2.5	U
12674-11-2-----Aroclor-1016	0.50	U
11104-28-2-----Aroclor-1221	1.0	U
11141-16-5-----Aroclor-1232	0.50	U
53469-21-9-----Aroclor-1242	0.50	U
12672-29-6-----Aroclor-1248	0.50	U
11097-69-1-----Aroclor-1254	0.50	U
11096-82-5-----Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIH

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIH

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6596F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/21/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIH

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIH

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6596R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/21/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKII

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKII

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6608R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/21/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKII

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKII

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6608F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/21/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.025	U
319-85-7	beta-BHC	0.025	U
319-86-8	delta-BHC	0.025	U
58-89-9	gamma-BHC (Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
959-98-8	Endosulfan I	0.025	U
60-57-1	Dieldrin	0.050	U
72-55-9	4,4'-DDE	0.050	U
72-20-8	Endrin	0.050	U
33213-65-9	Endosulfan II	0.050	U
72-54-8	4,4'-DDD	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
50-29-3	4,4'-DDT	0.050	U
72-43-5	Methoxychlor	0.25	U
53494-70-5	Endrin ketone	0.050	U
7421-93-4	Endrin aldehyde	0.050	U
5103-71-9	alpha-Chlordane	0.025	U
5103-74-2	gamma-Chlordane	0.025	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.50	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	0.50	U
53469-21-9	Aroclor-1242	0.50	U
12672-29-6	Aroclor-1248	0.50	U
11097-69-1	Aroclor-1254	0.50	U
11096-82-5	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIJ

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIJ

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6625F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIJ

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIJ

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6625R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----alpha-BHC	0.025	U
319-85-7-----beta-BHC	0.025	U
319-86-8-----delta-BHC	0.025	U
58-89-9-----gamma-BHC (Lindane)	0.025	U
76-44-8-----Heptachlor	0.025	U
309-00-2-----Aldrin	0.025	U
1024-57-3-----Heptachlor epoxide	0.025	U
959-98-8-----Endosulfan I	0.025	U
60-57-1-----Dieldrin	0.050	U
72-55-9-----4,4'-DDE	0.050	U
72-20-8-----Endrin	0.050	U
33213-65-9-----Endosulfan II	0.050	U
72-54-8-----4,4'-DDD	0.050	U
1031-07-8-----Endosulfan sulfate	0.050	U
50-29-3-----4,4'-DDT	0.050	U
72-43-5-----Methoxychlor	0.25	U
53494-70-5-----Endrin ketone	0.050	U
7421-93-4-----Endrin aldehyde	0.050	U
5103-71-9-----alpha-Chlordane	0.025	U
5103-74-2-----gamma-Chlordane	0.025	U
8001-35-2-----Toxaphene	2.5	U
12674-11-2-----Aroclor-1016	0.50	U
11104-28-2-----Aroclor-1221	1.0	U
11141-16-5-----Aroclor-1232	0.50	U
53469-21-9-----Aroclor-1242	0.50	U
12672-29-6-----Aroclor-1248	0.50	U
11097-69-1-----Aroclor-1254	0.50	U
11096-82-5-----Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIK

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIK

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6638F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

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

CAS NO.

COMPOUND

Q

319-84-6-----alpha-BHC	0.025	U
319-85-7-----beta-BHC	0.025	U
319-86-8-----delta-BHC	0.025	U
58-89-9-----gamma-BHC (Lindane)	0.025	U
76-44-8-----Heptachlor	0.025	U
309-00-2-----Aldrin	0.025	U
1024-57-3-----Heptachlor epoxide	0.025	U
959-98-8-----Endosulfan I	0.025	U
60-57-1-----Dieldrin	0.050	U
72-55-9-----4,4'-DDE	0.050	U
72-20-8-----Endrin	0.050	U
33213-65-9-----Endosulfan II	0.050	U
72-54-8-----4,4'-DDD	0.050	U
1031-07-8-----Endosulfan sulfate	0.050	U
50-29-3-----4,4'-DDT	0.050	U
72-43-5-----Methoxychlor	0.25	U
53494-70-5-----Endrin ketone	0.050	U
7421-93-4-----Endrin aldehyde	0.050	U
5103-71-9-----alpha-Chlordane	0.025	U
5103-74-2-----gamma-Chlordane	0.025	U
8001-35-2-----Toxaphene	2.5	U
12674-11-2-----Aroclor-1016	0.50	U
11104-28-2-----Aroclor-1221	1.0	U
11141-16-5-----Aroclor-1232	0.50	U
53469-21-9-----Aroclor-1242	0.50	U
12672-29-6-----Aroclor-1248	0.50	U
11097-69-1-----Aroclor-1254	0.50	U
11096-82-5-----Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIK

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIK

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6638R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/22/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIL

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6653F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIL

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6653R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIM

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIM

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6667F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKIM

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKIM

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6667R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/23/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKJ1

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKJ1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6764F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 12/28/99

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKJ1

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKJ1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6764R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/28/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKJA

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKJA

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6778F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 12/28/99

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----alpha-BHC	0.025	U
319-85-7-----beta-BHC	0.025	U
319-86-8-----delta-BHC	0.025	U
58-89-9-----gamma-BHC (Lindane)	0.025	U
76-44-8-----Heptachlor	0.025	U
309-00-2-----Aldrin	0.025	U
1024-57-3-----Heptachlor epoxide	0.025	U
959-98-8-----Endosulfan I	0.025	U
60-57-1-----Dieldrin	0.050	U
72-55-9-----4,4'-DDE	0.050	U
72-20-8-----Endrin	0.050	U
33213-65-9-----Endosulfan II	0.050	U
72-54-8-----4,4'-DDD	0.050	U
1031-07-8-----Endosulfan sulfate	0.050	U
50-29-3-----4,4'-DDT	0.050	U
72-43-5-----Methoxychlor	0.25	U
53494-70-5-----Endrin ketone	0.050	U
7421-93-4-----Endrin aldehyde	0.050	U
5103-71-9-----alpha-Chlordane	0.025	U
5103-74-2-----gamma-Chlordane	0.025	U
8001-35-2-----Toxaphene	2.5	U
12674-11-2-----Aroclor-1016	0.50	U
11104-28-2-----Aroclor-1221	1.0	U
11141-16-5-----Aroclor-1232	0.50	U
53469-21-9-----Aroclor-1242	0.50	U
12672-29-6-----Aroclor-1248	0.50	U
11097-69-1-----Aroclor-1254	0.50	U
11096-82-5-----Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKJA

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKJA

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6778R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/28/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKJB

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 62383

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKJB

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B6784R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/28/99

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.025	U
319-85-7-----	beta-BHC	0.025	U
319-86-8-----	delta-BHC	0.025	U
58-89-9-----	gamma-BHC (Lindane)	0.025	U
76-44-8-----	Heptachlor	0.025	U
309-00-2-----	Aldrin	0.025	U
1024-57-3-----	Heptachlor epoxide	0.025	U
959-98-8-----	Endosulfan I	0.025	U
60-57-1-----	Dieldrin	0.050	U
72-55-9-----	4,4'-DDE	0.050	U
72-20-8-----	Endrin	0.050	U
33213-65-9-----	Endosulfan II	0.050	U
72-54-8-----	4,4'-DDD	0.050	U
1031-07-8-----	Endosulfan sulfate	0.050	U
50-29-3-----	4,4'-DDT	0.050	U
72-43-5-----	Methoxychlor	0.25	U
53494-70-5-----	Endrin ketone	0.050	U
7421-93-4-----	Endrin aldehyde	0.050	U
5103-71-9-----	alpha-Chlordane	0.025	U
5103-74-2-----	gamma-Chlordane	0.025	U
8001-35-2-----	Toxaphene	2.5	U
12674-11-2-----	Aroclor-1016	0.50	U
11104-28-2-----	Aroclor-1221	1.0	U
11141-16-5-----	Aroclor-1232	0.50	U
53469-21-9-----	Aroclor-1242	0.50	U
12672-29-6-----	Aroclor-1248	0.50	U
11097-69-1-----	Aroclor-1254	0.50	U
11096-82-5-----	Aroclor-1260	0.50	U

Volatile Organic Data Validation Summary
ERM/Northeast - Mayer Landfill
Analytical Laboratory: Mitkem Corporation
Sample Delivery Group 70191

Analytical results for one (1) soil sample, one (1) field blank and one (1) trip blank from ERM/Northeast's Mayer Landfill project were reviewed to evaluate the data quality. Data were assessed in accordance with the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (10/95), the United States Environmental Protection Agency (USEPA) National Functional Guidelines for Organic Data Review (Draft 12/90, Revised 6/91) and the USEPA Region II document CLP Organics Data Review and Preliminary Review (SOP No. HW-6, Revision No. 8, January, 1992), where applicable. This validation pertains to the following samples collected on February 9, 2000:

SS-MW-6, 6'-8'
FB020800 (*field blank*)
TB020900 (*trip blank*)

The following items/criteria applicable to the samples listed above were reviewed:

- Deliverable Requirements
- Case Narrative
- Holding Times and Sample Preparation
- System Monitoring Compound (SMC) Recoveries
- Laboratory Control Sample (LCS) Data
- Blank Summary and Data
- GC/MS Tuning and Mass Calibration
- Target Compound Identification/Quantitation
- Quantitation Reports and Mass Spectral Data
- EPA/NIH Mass Spectral Library Search for TICs
- Initial and Continuing Calibration Data
- Internal Standard Areas and Retention Times

The above items were in compliance with EPA and NYSDEC ASP laboratory QC criteria with the exception of the items discussed in the following text. The data have been validated according to the above procedures and qualified as described on the attached definitions list.

LABORATORY CONTROL SAMPLE (LCS) DATA

All applicable laboratory control sample (LCS) data have met the applicable QC criteria.

BLANK SUMMARY AND DATA

The compound methylene chloride, a common laboratory contaminant, was detected in method blank VBLK2U and the trip blank (TB020900). In accordance with EPA data validation criteria, the associated methylene chloride sample results less than ten times the methylene chloride result in the

blank have been reported as non-detect at the result reported or the contract required quantitation limit (CRQL), whichever is greater, and are considered to be laboratory derived and not site related.

The compounds acetone, 2-butanone and toluene were detected in the field blank (FB020800) associated with the samples in this SDG. None of these compounds were detected in the associated sample and no data have been qualified based upon these results.

EPA/NIH MASS SPECTRAL LIBRARY SEARCH FOR TICs

USEPA data validation guidelines instruct the validator to use professional judgment to determine the acceptability of TIC identifications. Although it is the opinion of the validator that the laboratory has “over identified” a number of TICs, the decision was made not to second-guess the laboratory on each TIC identification. It should be noted, however, that the identifications are, by definition, tentative and that a less specific identification would often be preferable (e.g., UNKNOWN ALKANE rather than 2,6-DIMETHYL DECANE).

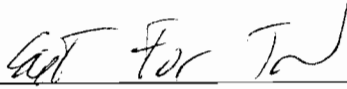
INITIAL AND CONTINUING CALIBRATION DATA

Although only selected compounds have a minimum relative response factor (RRF) and no maximum percent relative standard deviation (%RSD) specified in the method, the criteria employed for technical review purposes are different from those used in the method. For data review purposes, all volatile compounds should have a maximum %RSD of 30.0 and an RRF of 0.05 or greater. The %RSD for both acetone (35.0) and 2-hexanone (41.6) both exceed the maximum %RSD specified in the technical review criteria. In accordance with EPA data validation criteria, the associated acetone and 2-hexanone results have been flagged with a “V” and are considered estimated due to variance from quality control criteria.

The percent difference (%D) between the RRF from the initial calibration and the RRF from the continuing calibration standard analyzed on 02.14.00 for the compounds acetone (97.2%D), 1,1-dichloroethane (25.5%D) and 2-butanone (50.6%D) exceeded the USEPA technical criteria of 25.0%D. In accordance with USEPA data validation criteria, the associated 1,1-dichloroethane and 2-butanone results have been flagged with a “V” and are considered estimated due to variance from quality control criteria and associated non-detect results for acetone have been rejected and are considered unusable. It should be noted that only the field and trip blanks were associated with this standard and that rejecting the acetone data for the trip blank does not affect the sample results reported.

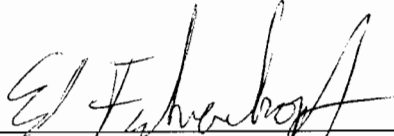
SUMMARY

In summary, based on 33 sample data points, three (3) of which were qualified as estimated, and none qualified as unusable, and since estimated data are considered valid and usable, the usability of this data package is 100.0%.



Reviewed By
Anthony M. Noce, CET, CHMM

Date



Approved By
Edward G. Fahrenkopf, Jr

27/AUG/00

Date

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW668

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70191

Matrix: (soil/water) SOIL

Lab Sample ID: 70191002

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V2C8696

Level: (low/med) LOW

Date Received: 02/10/00

% Moisture: not dec. 10

Date Analyzed: 02/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

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

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	11	U
74-83-9-----	Bromomethane	11	U
75-01-4-----	Vinyl Chloride	11	U
75-00-3-----	Chloroethane	11	U
75-09-2-----	Methylene Chloride	11	U
67-64-1-----	Acetone	11	U
75-15-0-----	Carbon Disulfide	11	U
75-35-4-----	1,1-Dichloroethene	11	U
75-34-3-----	1,1-Dichloroethane	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
67-66-3-----	Chloroform	11	U
107-06-2-----	1,2-Dichloroethane	11	U
78-93-3-----	2-Butanone	11	U
71-55-6-----	1,1,1-Trichloroethane	11	U
56-23-5-----	Carbon Tetrachloride	11	U
75-27-4-----	Bromodichloromethane	11	U
78-87-5-----	1,2-Dichloropropane	11	U
10061-01-5-----	cis-1,3-Dichloropropene	11	U
79-01-6-----	Trichloroethene	3	J
124-48-1-----	Dibromochloromethane	11	U
79-00-5-----	1,1,2-Trichloroethane	11	U
71-43-2-----	Benzene	11	U
10061-02-6-----	trans-1,3-Dichloropropene	11	U
75-25-2-----	Bromoform	11	U
108-10-1-----	4-Methyl-2-Pentanone	11	U
591-78-6-----	2-Hexanone	11	U
127-18-4-----	Tetrachloroethene	11	U
79-34-5-----	1,1,2,2-Tetrachloroethane	11	U
108-88-3-----	Toluene	11	U
108-90-7-----	Chlorobenzene	11	U
100-41-4-----	Ethylbenzene	11	U
100-42-5-----	Styrene	11	U
1330-20-7-----	Xylene (Total)	11	U

FORM I VOA

Ami
27 AUG 00

028

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SSMW668

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70191

Matrix: (soil/water) SOIL

Lab Sample ID: 70191002

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V2C8696

Level: (low/med) LOW

Date Received: 02/10/00

% Moisture: not dec. 10

Date Analyzed: 02/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 13 ✓

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	13.29	13	J
2.	UNKNOWN	13.35	14	J
3. 2847-72-5	DECANE, 4-METHYL-	13.40	70	NJ
4.	UNKNOWN ALKANE	13.66	38	J
5. 493-02-7	NAPHTHALENE, DECAHYDRO-, TRA	14.35	45	NJ
6.	UNKNOWN	14.65	62	J
7.	UNKNOWN ALKANE	14.80	32	J
8.	UNKNOWN	15.06	190	J
9.	UNKNOWN	15.29	110	J
10. 17301-23-4	UNDECANE, 2,6-DIMETHYL-	15.78	120	NJ
11.	UNKNOWN	15.88	200	J
12. 26730-14-3	TRIDECANE, 7-METHYL-	16.42	210	NJ
13.	UNKNOWN ALKANE	17.48	130	J
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FORM I VOA-TIC

Amg
27 AUG 00

023

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB020800

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70191

Matrix: (soil/water) WATER

Lab Sample ID: 70191001

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B9464

Level: (low/med) LOW

Date Received: 02/10/00

% Moisture: not dec.

Date Analyzed: 02/14/00

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

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	8	J✓
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U✓
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	✓
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U✓
127-18-4-----	Tetrachloroethene	10	U✓
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U✓
108-88-3-----	Toluene	1	J
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

Ann
27 AUG 00

020

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB020800

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70191

Matrix: (soil/water) WATER

Lab Sample ID: 70191001

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B9464

Level: (low/med) LOW

Date Received: 02/10/00

% Moisture: not dec. _____

Date Analyzed: 02/14/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 ✓

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
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27 AUG 00

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB020900

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70191

Matrix: (soil/water) WATER

Lab Sample ID: 70191003

Sample wt/vol: 5.000[✓](g/mL) ML

Lab File ID: V5B9465

Level: (low/med) LOW[✓]

Date Received: 02/10/00

% Moisture: not dec. _____

Date Analyzed: 02/14/00[✓]

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

Dilution Factor: 1.0[✓]

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	2	J
67-64-1-----	Acetone	~~10~~ 10	U [✓] R
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U [✓]
127-18-4-----	Tetrachloroethene	10	U [✓]
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U [✓]
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

CMN
27 AUG 00

049

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB020900

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70191

Matrix: (soil/water) WATER

Lab Sample ID: 70191003

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B9465

Level: (low/med) LOW

Date Received: 02/10/00

% Moisture: not dec. _____

Date Analyzed: 02/14/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 ✓

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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FORM I VOA-TIC

Amn
27 AUG 00

00050

Semivolatile Organic Data Validation Summary
ERM/Northeast - Mayer Landfill
Analytical Laboratory: Mitkem Corporation
Sample Delivery Group 70191

Analytical results for one (1) soil sample from ERM/Northeast's Mayer Landfill project were reviewed to evaluate the data quality. Data were assessed in accordance with the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (10/95), the United States Environmental Protection Agency (USEPA) National Functional Guidelines for Organic Data Review (Draft 12/90, Revised 6/91) and the USEPA Region II document CLP Organics Data Review and Preliminary Review (SOP No. HW-6, Revision No. 8, January, 1992), where applicable. This validation pertains to the following sample collected on February 17, 2000:

SS-MW-6, 6'-8'

The following items/criteria applicable to the samples listed above were reviewed:

- Deliverable Requirements
- Case Narrative
- Holding Times and Sample Preparation
- Surrogate Recoveries
- Laboratory Control Sample (LCS) Data
- Blank Summary and Data
- GC/MS Tuning and Mass Calibration
- Target Compound Identification/Quantitation
- Quantitation Reports and Mass Spectral Data
- EPA/NIH Mass Spectral Library Search for TICs
- Initial and Continuing Calibration Data
- Internal Standard Areas and Retention Times

The above items were in compliance with USEPA and NYSDEC ASP laboratory QC criteria with the exception of the items discussed in the following text. The data have been validated according to the above procedures and qualified as described on the attached definitions list.

DELIVERABLE REQUIREMENTS

One of the listed tentatively identified compounds (TICs) for sample SS-MW-6, 6'-8' did not include an "N" qualifier. The flag was added to the result and no data have been qualified based upon this minor clerical error.

LABORATORY CONTROL SAMPLE (LCS) DATA

All applicable laboratory control sample (LCS) data have met the applicable QC criteria.

BLANK SUMMARY AND DATA

The compound bis(2-ethylhexyl)phthalate, a common phthalate ester, was detected in method blank SBLK2A. The associated bis(2-ethylhexyl)phthalate sample result is greater than the contract required quantitation limit (CRQL) and ten times the blank result and therefore requires no qualification.

Seven tentatively identified compounds (TICs) were detected in the associated method blank, including two that are aldol condensation products, which are artifacts of the sample preparation process. In accordance with EPA data validation criteria, TICs identified in both the method blank and the associated samples have been rejected and are considered unusable. Please note that rejecting these TICs has no effect on the usability of the target compound data.

EPA/NIH MASS SPECTRAL LIBRARY SEARCH FOR TICs

USEPA data validation guidelines instruct the validator to use professional judgment to determine the acceptability of TIC identifications. Although it is the opinion of the validator that the laboratory has “over identified” a number of TICs, the decision was made not to second-guess the laboratory on each TIC identification. It should be noted, however, that the identifications are, by definition, tentative and that a less specific identification would often be preferable. In addition, the laboratory has identified two different TICs as the same compound on several occasions. Since this is impossible, a less specific identification has been applied to these TICs during the validation process.

As mentioned above, aldol condensation products are artifacts of the sample preparation process and as such, TICs identified as aldol condensation products are rejected and considered unusable. As noted above in the **Blank Summary and Data** section, rejecting these TICs has no effect on the usability of the target compound data.

INITIAL AND CONTINUING CALIBRATION DATA

Although selected compounds have a maximum percent relative standard deviation (%RSD) of 25.0 specified in the method while all other compounds have a maximum %RSD of 100, the criteria employed for technical review purposes are different from those used in the method. For data review purposes, all volatile compounds should have a maximum %RSD of 30.0. The %RSD for bis(2-ethylhexyl)phthalate (30.6) exceeds the maximum %RSD specified in the technical review criteria. In accordance with EPA data validation criteria, the associated bis(2-ethylhexyl)phthalate results have been flagged with a “V” and are considered estimated due to variance from quality control criteria.

The percent difference (%D) between the average relative response factor (RRF) from the initial calibration and the RRF from the continuing calibration standard analyzed on 02.21.00 for the compounds 2,2'-oxybis(1-chloropropane) (30.4%D), 4-chloroaniline (26.2%D), 2-nitroaniline (32.2%D), 3-nitroaniline (25.9%D) and 4-nitroaniline (29.9%D) exceeded the USEPA technical criteria of 25.0%D. In accordance with EPA data validation criteria, the associated 2,2'-oxybis(1-chloropropane), 4-chloroaniline, 2-nitroaniline, 3-nitroaniline and 4-nitroaniline results have been flagged with a “V” and are considered estimated due to variance from quality control criteria.

SUMMARY

In summary, based on 64 sample data points, six (6) of which were qualified as estimated, and none qualified as unusable, and since estimated data are considered valid and usable, the usability of this data package is 100.0%.

AM Noce

Reviewed By
Anthony M. Noce, CET, CHMM

Date

E. G. Fahrenkopf, Jr.

Approved By
Edward G. Fahrenkopf, Jr.

8/27/00

Date

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW668

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70191

Matrix: (soil/water) SOIL

Lab Sample ID: 70191002

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S2B3244

Level: (low/med) LOW

Date Received: 02/10/00

% Moisture: 10 decanted: (Y/N) N

Date Extracted: 02/15/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 02/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

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

108-95-2-----Phenol	360	U
111-44-4-----bis(-2-Chloroethyl) Ether	360	U
95-57-8-----2-Chlorophenol	360	U
541-73-1-----1,3-Dichlorobenzene	360	U
106-46-7-----1,4-Dichlorobenzene	360	U
95-50-1-----1,2-Dichlorobenzene	360	U
95-48-7-----2-Methylphenol	360	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	360	U ✓
106-44-5-----4-Methylphenol	360	U
621-64-7-----N-Nitroso-di-n-propylamine	360	U
67-72-1-----Hexachloroethane	360	U
98-95-3-----Nitrobenzene	360	U
78-59-1-----Isophorone	360	U
88-75-5-----2-Nitrophenol	360	U
105-67-9-----2,4-Dimethyphenol	360	U
120-83-2-----2,4-Dichlorophenol	360	U
120-82-1-----1,2,4-Trichlorobenzene	360	U
91-20-3-----Naphthalene	360	U
106-47-8-----4-Chloroaniline	360	U ✓
111-91-1-----bis(2-Chloroethoxy)methane	360	U
87-68-3-----Hexachlorobutadiene	360	U
59-50-7-----4-Chloro-3-methylphenol	360	U
91-57-6-----2-Methylnaphthalene	360	U
77-47-4-----Hexachlorocyclopentadiene	360	U
88-06-2-----2,4,6-Trichlorophenol	360	U
95-95-4-----2,4,5-Trichlorophenol	910	U
91-58-7-----2-Chloronaphthalene	360	U
88-74-4-----2-Nitroaniline	910	U ✓
131-11-3-----Dimethylphthalate	360	U
208-96-8-----Acenaphthylene	360	U
606-20-2-----2,6-Dinitrotoluene	360	U
99-09-2-----3-Nitroaniline	910	U ✓
83-32-9-----Acenaphthene	360	U

FORM I SV-1

cm
27 AUG 00

102

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW668

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 70191

Matrix: (soil/water) SOIL

Lab Sample ID: 70191002

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S2B3244

Level: (low/med) LOW

Date Received: 02/10/00

% Moisture: 10 decanted: (Y/N) N

Date Extracted: 02/15/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 02/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

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

51-28-5-----	2,4-Dinitrophenol	910	U
100-02-7-----	4-Nitrophenol	910	U
132-64-9-----	Dibenzofuran	360	U
121-14-2-----	2,4-Dinitrotoluene	360	U
84-66-2-----	Diethylphthalate	360	U
7005-72-3-----	4-Chlorophenyl-phenylether	360	U
86-73-7-----	Fluorene	360	U
100-01-6-----	4-Nitroaniline	910	U✓
534-52-1-----	4,6-Dinitro-2-methylphenol	910	U
86-30-6-----	N-Nitrosodiphenylamine (1)	360	U
101-55-3-----	4-Bromophenyl-phenylether	360	U
118-74-1-----	Hexachlorobenzene	360	U
87-86-5-----	Pentachlorophenol	910	U
85-01-8-----	Phenanthrene	360	U
120-12-7-----	Anthracene	360	U
86-74-8-----	Carbazole	360	U
84-74-2-----	Di-n-butylphthalate	360	U
206-44-0-----	Fluoranthene	360	U
129-00-0-----	Pyrene	360	U
85-68-7-----	Butylbenzylphthalate	360	U
91-94-1-----	3,3'-Dichlorobenzidine	360	U
56-55-3-----	Benzo(a)anthracene	360	U
218-01-9-----	Chrysene	360	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	44	J✓
117-84-0-----	Di-n-octylphthalate	360	U
205-99-2-----	Benzo(b)fluoranthene	360	U
207-08-9-----	Benzo(k)fluoranthene	360	U
50-32-8-----	Benzo(a)pyrene	360	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	360	U
53-70-3-----	Dibenzo(a,h)anthracene	360	U
191-24-2-----	Benzo(g,h,i)perylene	360	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

6m7
27 AUG 00

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SSMW668

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70191

Matrix: (soil/water) SOIL

Lab Sample ID: 70191002

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S2B3244

Level: (low/med) LOW

Date Received: 02/10/00

% Moisture: 10 decanted: (Y/N) N

Date Extracted: 02/15/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 02/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.0

Number TICs found: ~~30~~ 25

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALDOL CONDENSATE	4.51	860	AJ
2. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	4.90	15000	ANJB
3.	UNKNOWN	6.08	910	AJB
4.	UNKNOWN	9.14	120	J
5. 2958-76-1	NAPHTHALENE, DECAHYDRO-2-MET	9.35	110	JN
6.	C5-BENZENE ISOMER	9.73	120	J
7. 17301-23-4	UNDECANE, 2,6-DIMETHYL-	10.26	250	NJ
8.	UNKNOWN ALKANE	10.98	300	J
9.	UNKNOWN ALKANE	11.33	310	J
10.	UNKNOWN ALKANE	11.93	100	J
11. 629-59-4	TETRADECANE	12.47	260	NJ
12.	UNKNOWN	12.85	83	J
13.	UNKNOWN	12.98	220	J
14.	UNKNOWN ALKANE	13.12	450	J
15.	UNKNOWN	13.39	130	J
16.	UNKNOWN ALKANE	13.63	150	J
17.	UNKNOWN	13.83	86	J
18. 829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	13.99	120	NJ
19. 829-26-5	NAPHTHALENE, 2,3,6-TRIMETHYL	14.08	160	NJ
20. 112-40-3	DODECANE	14.21	190	NJ
21.	UNKNOWN	14.39	130	J
22. 629-62-9	PENTADECANE	14.57	230	NJ
23.	UNKNOWN	14.65	120	J
24.	UNKNOWN	14.78	110	J
25. 17312-81-1	UNDECANE, 3,5-DIMETHYL-	15.02	330	NJ
26. 1921-70-6	PENTADECANE, 2,6,10,14-TETRA	15.57	800	NJ
27.	UNKNOWN	15.94	140	JB
28. 630-06-8	HEXATRIACONTANE	16.46	140	NJ
29.	UNKNOWN	16.82	150	JB
30. 629-78-7	HEPTADECANE	17.33	130	NJ

UNKNOWN
UNKNOWN

R
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R

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R

FORM I SV-TIC

Gmn
27 AUG 00

Pesticides Data Validation Summary
ERM/Northeast - Mayer Landfill
Analytical Laboratory: Mitkem Corporation
Sample Delivery Group 70191

Analytical results for one (1) soil sample from ERM/Northeast's Mayer Landfill project were reviewed to evaluate the data quality. Data were assessed in accordance with the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (10/95), the United States Environmental Protection Agency (USEPA) National Functional Guidelines for Organic Data Review (Draft 12/90, Revised 6/91) and the USEPA Region II document CLP Organics Data Review and Preliminary Review (SOP No. HW-6, Revision No. 8, January, 1992), where applicable. This validation pertains to the following sample collected on February 17, 2000:

SS-MW-6, 6'-8'

The following items/criteria applicable to the samples listed above were reviewed:

- Case Narrative
- Deliverables Requirements
- Holding Times and Sample Preparation
- Surrogate Recoveries and Summary
- Laboratory Control Sample (LCS) Data
- Instrument and Method Blanks and Summaries
- Pesticide Initial Calibration of Single and Multi-Component Analytes and Data
- Pesticide Calibration Verification Summaries and Data
- Pesticide Analytical Sequence and Data
- Pesticide Clean-up Procedures QA/QC
- Pesticide Identification Summaries of Single and Multi-Component Analytes and Data
- Pesticide Analysis Data Sheet and Data

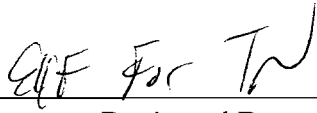
The above items were in compliance with EPA and NYSDEC ASP laboratory QC criteria with the exception of the items discussed in the following text. The data have been validated according to the above procedures and qualified as described on the attached definitions list.

LABORATORY CONTROL SAMPLE (LCS) DATA

All applicable laboratory control sample (LCS) data have met the applicable QC criteria.

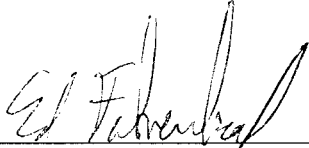
SUMMARY

In summary, based on 28 sample data points, none of which were qualified as estimated, and none qualified as unusable, the usability of this data package is 100%.

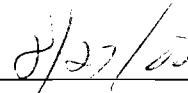


Reviewed By
Anthony M. Noce, CET, CHMM

Date



Approved By
Edward G. Fahrenkopf, Jr.



Date

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW668

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70191

Matrix: (soil/water) SOIL

Lab Sample ID: 70191002

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: E2B8598F

% Moisture: 10 decanted: (Y/N) N

Date Received: 02/10/00

Extraction: (SepF/Cont/Sonc) SONC ✓

Date Extracted: 02/15/00 ✓

Concentrated Extract Volume: 5000 (uL) ✓

Date Analyzed: 03/15/00 ✓

Injection Volume: 1.0 (uL) ✓

Dilution Factor: 1.0 ✓

GPC Cleanup: (Y/N) Y ✓ pH: 8.0 ✓

Sulfur Cleanup: (Y/N) Y ✓

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

319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.6	U
72-55-9	4,4'-DDE	3.6	U
72-20-8	Endrin	3.6	U
33213-65-9	Endosulfan II	3.6	U
72-54-8	4,4'-DDD	3.6	U
1031-07-8	Endosulfan sulfate	3.6	U
50-29-3	4,4'-DDT	3.6	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.6	U
7421-93-4	Endrin aldehyde	3.6	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	73	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

FORM I PEST

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27 AUG 2000

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290

Inorganic Data Validation Summary
ERM/Northeast - Mayer Landfill
Analytical Laboratory: Mitkem Corporation
Sample Delivery Group 70191

Analytical results for one (1) soil sample and from ERM/Northeast's Mayer Landfill project were reviewed to evaluate the data quality. Data were assessed in accordance with the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (10/95), the United States Environmental Protection Agency (USEPA) National Functional Guidelines for Organic Data Review (Draft 12/90, Revised 6/91) and the USEPA Region II document Checklist for Evaluation of Metals Data for the Contract Laboratory Program, Appendix A.1, where applicable. This validation pertains to the following sample collected on February 17, 2000:

SS-MW-6, 6'-8'

The following items/criteria applicable to the samples listed above were reviewed:

- Deliverable Requirements
- Case Narrative
- Holding Times and Sample Preparation
- Initial and Continuing Calibration Data
- CRDL Standards for ICP
- Instrument and Preparation Blank Summary and Data
- ICP Interference Check Sample
- Laboratory Control Samples (LCS)
- ICP Serial Dilution Data
- Verification of Instrument Parameters

The above items were in compliance with EPA and NYSDEC ASP criteria with the exception of the items discussed in the following text. The data have been validated according to the above procedures and qualified as described on the attached definitions list.

CRDL STANDARDS FOR ICP

A contract required detection limit (CRDL) standard must exhibit a percent recovery between 80 and 120 to be considered within QC limits. The initial CRDL standard exhibited elevated percent recoveries for lead (126.7%) and selenium (123.7%). No data have been qualified based upon these recoveries, however, because the lead result reported does not fall within the affected range ($\pm 2 \times$ CRDL), the selenium result is non-detect. The final CRDL standard exhibited a slightly low percent recovery for arsenic (79.1%) and the arsenic result falls within the affected range ($\pm 2 \times$ CRDL); in accordance with EPA data validation criteria, the associated arsenic result has been flagged with a "V" and is considered estimated due to variance from quality control criteria.

ICP SERIAL DILUTION DATA

The percent difference (%D) value between the initial sample result and the serial dilution result for copper was 10.9, which exceeds the QC limit of 10.0%D. In accordance with EPA data validation

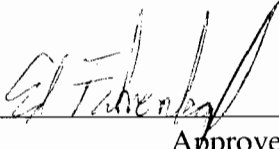
criteria, the associated copper result has been flagged with a "V" and is considered estimated due to variance from quality control criteria.

SUMMARY

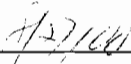
In summary, based on 24 sample data points, two (2) of which were qualified as estimated, and none qualified as unusable, and since estimated data are considered valid and usable, the usability of this data package is 100%.

Reviewed By
Anthony M. Noce, CET, CHMM

Date



Approved By
Edward G. Fahrenkopf, Jr.



Date

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SSMW668

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70191____

Matrix (soil/water): SOIL_____ Lab Sample ID: 70191002_____

Level (low/med): MED_____ Date Received: 02/10/00_____

% Solids: 91.0 ✓

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10500			P
7440-36-0	Antimony	0.65	U		P
7440-38-2	Arsenic	5.0		✓	P
7440-39-3	Barium	42.0	B		P
7440-41-7	Beryllium	0.45	B		P
7440-43-9	Cadmium	0.37	B		P
7440-70-2	Calcium	17100			P
7440-47-3	Chromium	13.6			P
7440-48-4	Cobalt	9.6	B		P
7440-50-8	Copper	22.2		E ✓	P
7439-89-6	Iron	21700			P
7439-92-1	Lead	11.1			P
7439-95-4	Magnesium	4580			P
7439-96-5	Manganese	707			P
7439-97-6	Mercury	0.048	U		CV
7440-02-0	Nickel	22.7			P
7440-09-7	Potassium	1290			P
7782-49-2	Selenium	0.65	U		P
7440-22-4	Silver	4.2			P
7440-23-5	Sodium	213	B		P
7440-28-0	Thallium	1.3	B		P
7440-62-2	Vanadium	17.9			P
7440-66-6	Zinc	67.2			P
56-12-5	Cyanide	0.12	B		C

CMN
27 AUG 00

Color Before: TAN_____ Clarity Before: _____ Texture: CLAY_____

Color After: YELLOW_____ Clarity After: CLEAR_____ Artifacts: _____

Comments:

Volatile Organic Data Validation Summary
ERM/Northeast - Mayer Landfill
Analytical Laboratory: Mitkem Corporation
Sample Delivery Group 70301

Analytical results for four (4) soil samples with matrix QC, three (3) field blanks and one (1) trip blank from ERM/Northeast's Mayer Landfill project were reviewed to evaluate the data quality. Data were assessed in accordance with the New York State Department of Environmental Conservation (NYSDEC) **Analytical Services Protocol** (10/95), the United States Environmental Protection Agency (USEPA) **National Functional Guidelines for Organic Data Review** (Draft 12/90, Revised 6/91) and the USEPA Region II document **CLP Organics Data Review and Preliminary Review** (SOP No. HW-6, Revision No. 8, January, 1992), where applicable. This validation pertains to the following samples collected on February 28 and March 1 and 2, 2000:

SS-MW-7D, 6'-10'
SS-MW-7D, 6'-10' MS
SS-MW-7D, 6'-10' MSD
SS-MW-11, 16'-18'
SS-MW-12, 8'-12'
SS-MW-13, 12'-14'
FB022800 (*field blank*)
FB030100 (*field blank*)
FB030200 (*field blank*)
TB030200 (*trip blank*)

The following items/criteria applicable to the samples listed above were reviewed:

- Deliverable Requirements
- Case Narrative
- Holding Times and Sample Preparation
- System Monitoring Compound (SMC) Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Data
- Blank Summary and Data
- GC/MS Tuning and Mass Calibration
- Target Compound Identification/Quantitation
- Quantitation Reports and Mass Spectral Data
- EPA/NIH Mass Spectral Library Search for TICs
- Initial and Continuing Calibration Data
- Internal Standard Areas and Retention Times

The above items were in compliance with EPA and NYSDEC ASP laboratory QC criteria with the exception of the items discussed in the following text. The data have been validated according to the above procedures and qualified as described on the attached definitions list.

SYSTEM MONITORING COMPOUND (SMC) RECOVERIES

The percent recovery for the SMC 1,2-dichloroethane-d4 exhibited a percent recovery of 117%, which is slightly outside of the QC limits of 76-114%, for the field blank FB022800. In accordance with the method requirements, the laboratory reanalyzed this sample and both the SMC bromofluorobenzene (84% recovery, QC limits of 86-115%) and 1,2-dichloroethane-d4 (128% recovery) exhibited recoveries outside of QC limits. In accordance with EPA data validation criteria, the results of this reanalysis (reported as FB022800RE) have been rejected, and the results for the original analysis have been flagged with a "V" and are considered estimated due to variance from quality control criteria. Please note that rejecting the results of the reanalysis has no effect on the validity or usability of either the field blank itself or any of the associated samples.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) RESULTS

Sample SS-MW-7D, 6'-10' was selected for MS/MSD analysis and all applicable matrix QC criteria have been met for this analysis.

LABORATORY CONTROL SAMPLE (LCS) DATA

All applicable laboratory control sample (LCS) data have met the applicable QC criteria.

BLANK SUMMARY AND DATA

The compound methylene chloride, a common laboratory contaminant, was detected in method blank VBLK5E, field blank FB030100 and the trip blank (TB030200). In accordance with EPA data validation criteria, the associated methylene chloride sample results less than ten times the methylene chloride result in the blank have been reported as non-detect at the result reported or the contract required quantitation limit (CRQL), whichever is greater, and are considered to be laboratory derived and not site related.

Acetone, another common laboratory contaminant, was detected in method blanks VBLK5C, VBLK5D and VBLK5E, as well as all three of the field blanks. In accordance with EPA data validation criteria, the associated acetone sample results less than ten times the methylene chloride result in the blank have been reported as non-detect at the result reported or the contract required quantitation limit (CRQL), whichever is greater, and are considered to be laboratory derived and not site related.

The compound 4-methyl-2-pentanone was detected in method blanks VBLK5E and VBLK5H, and method blank VBLK5H also exhibited the compound 2-hexanone. The field blank FB 030200 exhibited a trace amount of trichloroethene and the trip blank (TB030200) exhibited a trace amount of chloroform. In addition, one or more tentatively identified compounds (TICs) were reported in each of the following blanks: Method blanks VBLK1P, VBLK5D, VBLK5E, VBLK5I and VBLK5H and holding blank VHBLK5I. None of these compounds were detected in the associated samples, however, and no data have been qualified based upon these results.

INITIAL AND CONTINUING CALIBRATION DATA

Although only selected compounds have a maximum percent relative standard deviation (%RSD) specified in the method, the criteria employed for technical review purposes are different from those used in the method. For data review purposes, all volatile compounds should have a maximum %RSD of 30.0. The %RSD for the compounds acetone (33.5), 2-butanone (32.5) and 2-hexanone (35.1) exceed the maximum %RSD specified in the technical review criteria. In accordance with EPA data validation criteria, the associated acetone, 2-butanone and 2-hexanone results have been flagged with a "V" and are considered estimated due to variance from quality control criteria.

The percent difference (%D) between the RRF from the initial calibration and the RRF from the continuing calibration standard analyzed on 03.06.00 for the compounds acetone (35.5%D), 2-butanone (28.5%D) and 2-hexanone (27.6%D) exceeded the USEPA technical criteria of 25.0%D. In accordance with USEPA data validation criteria, the associated acetone, 2-butanone and 2-hexanone results have been flagged with a "V" and are considered estimated due to variance from quality control criteria.

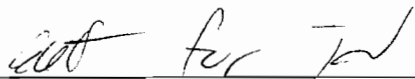
The %D between the RRF from the initial calibration and the RRF from the continuing calibration standard analyzed on 03.07.00 for the compounds acetone (28.0%D), 2-butanone (28.5%D), 4-methyl-2-pentanone (30.4%D) and 2-hexanone (35.6%D) exceeded the USEPA technical criteria of 25.0%D. In accordance with USEPA data validation criteria, the associated acetone, 2-butanone, 4-methyl-2-pentanone and 2-hexanone results have been flagged with a "V" and are considered estimated due to variance from quality control criteria.

The %D between the RRF from the initial calibration and the RRF from the continuing calibration standard analyzed on 03.08.00 for the compound 2-hexanone (29.4%D) exceeded the USEPA technical criteria of 25.0%D. In accordance with USEPA data validation criteria, the associated 2-hexanone results have been flagged with a "V" and are considered estimated due to variance from quality control criteria.

The %D between the RRF from the initial calibration and the RRF from the continuing calibration standard analyzed on 03.13.00 for the compounds acetone (32.4%D), 2-butanone (41.6%D), 4-methyl-2-pentanone (38.9%D) and 2-hexanone (46.0%D) exceeded the USEPA technical criteria of 25.0%D. No data have been qualified due to variance from quality control criteria, however, because the only associated sample in this SDG is the reanalysis of FB022800 and, as discussed above in the **System Monitoring Compound (SMC) Recoveries** section of this data summary, the results of this reanalysis have been rejected.

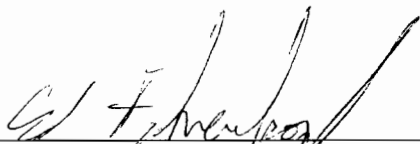
SUMMARY

In summary, based on 132 sample data points, 12 of which were qualified as estimated, and none qualified as unusable, and since estimated data are considered valid and usable, the usability of this data package is 100.0%.

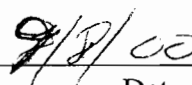


Reviewed By
Anthony M. Noce, CET, CHMM

Date



Approved By
Edward G. Fahrenkopf, Jr



Date

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW7D610

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) SOIL

Lab Sample ID: 70301001

Sample wt/vol: 5.3 (g/mL) G

Lab File ID: V1C9920

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: not dec. 14

Date Analyzed: 03/09/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
74-87-3	Chloromethane	11	U	
74-83-9	Bromomethane	11	U	
75-01-4	Vinyl Chloride	11	U	
75-00-3	Chloroethane	11	U	
75-09-2	Methylene Chloride	10	J	
67-64-1	Acetone	11	U	
75-15-0	Carbon Disulfide	11	U	
75-35-4	1,1-Dichloroethene	11	U	
75-34-3	1,1-Dichloroethane	11	U	
540-59-0	1,2-Dichloroethene (Total)	11	U	
67-66-3	Chloroform	11	U	
107-06-2	1,2-Dichloroethane	11	U	
78-93-3	2-Butanone	11	U	
71-55-6	1,1,1-Trichloroethane	11	U	
56-23-5	Carbon Tetrachloride	11	U	
75-27-4	Bromodichloromethane	11	U	
78-87-5	1,2-Dichloropropane	11	U	
10061-01-5	cis-1,3-Dichloropropene	11	U	
79-01-6	Trichloroethene	11	U	
124-48-1	Dibromochloromethane	11	U	
79-00-5	1,1,2-Trichloroethane	11	U	
71-43-2	Benzene	11	U	
10061-02-6	trans-1,3-Dichloropropene	11	U	
75-25-2	Bromoform	11	U	
108-10-1	4-Methyl-2-Pentanone	11	U	
591-78-6	2-Hexanone	11	U	
127-18-4	Tetrachloroethene	11	U	
79-34-5	1,1,2,2-Tetrachloroethane	11	U	
108-88-3	Toluene	11	U	
108-90-7	Chlorobenzene	11	U	
100-41-4	Ethylbenzene	11	U	
100-42-5	Styrene	11	U	
1330-20-7	Xylene (Total)	11	U	

FORM I VOA

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3 SEPT 00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW7D610

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) SOIL

Lab Sample ID: 70301001

Sample wt/vol: 5.3 (g/mL) G

Lab File ID: V1C9920

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: not dec. 14

Date Analyzed: 03/09/00

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.				
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22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW12812

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) SOIL

Lab Sample ID: 70301003

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: VLC9922

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: not dec. 13

Date Analyzed: 03/09/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

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

74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (Total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	2	JY
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (Total)	11	U

FORM I VOA

Amn
8 SEPT 00

070

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW12812

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) SOIL

Lab Sample ID: 70301003

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: V1C9922

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: not dec. 13

Date Analyzed: 03/09/00

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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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW111618

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) SOIL

Lab Sample ID: 70301005

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: V1C9923

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: not dec. 13

Date Analyzed: 03/09/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

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

74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (Total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (Total)	11	U

FORM I VOA

Amn
8 SEPT 00

063

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW111618

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) SOIL

Lab Sample ID: 70301005

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: V1C9923

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: not dec. 13

Date Analyzed: 03/09/00

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.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW131214

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) SOIL

Lab Sample ID: 70301006

Sample wt/vol: 5.3 (g/mL) G

Lab File ID: V1C9924

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: not dec. 10/

Date Analyzed: 03/09/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

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

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

GMN
8 SEPT 00
078

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW131214

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) SOIL

Lab Sample ID: 70301006

Sample wt/vol: 5.3 (g/mL) G

Lab File ID: VIC9924

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: not dec. 10

Date Analyzed: 03/09/00

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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1.				
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FORM I VOA-TIC

Amn
3 SEPT 00

079

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB022800

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) WATER

Lab Sample ID: 70301002

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B9782

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: not dec. _____

Date Analyzed: 03/06/00 ✓

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

Dilution Factor: 1.0 ✓

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	UV
74-83-9-----	Bromomethane	10	UV
75-01-4-----	Vinyl Chloride	10	UV
75-00-3-----	Chloroethane	10	UV
75-09-2-----	Methylene Chloride	10	UV
67-64-1-----	Acetone	4	JB✓
75-15-0-----	Carbon Disulfide	10	UV
75-35-4-----	1,1-Dichloroethene	10	UV
75-34-3-----	1,1-Dichloroethane	10	UV
540-59-0-----	1,2-Dichloroethene (Total)	10	UV
67-66-3-----	Chloroform	10	UV
107-06-2-----	1,2-Dichloroethane	10	UV
78-93-3-----	2-Butanone	10	UV
71-55-6-----	1,1,1-Trichloroethane	10	UV
56-23-5-----	Carbon Tetrachloride	10	UV
75-27-4-----	Bromodichloromethane	10	UV
78-87-5-----	1,2-Dichloropropane	10	UV
10061-01-5-----	cis-1,3-Dichloropropene	10	UV
79-01-6-----	Trichloroethene	10	UV
124-48-1-----	Dibromochloromethane	10	UV
79-00-5-----	1,1,2-Trichloroethane	10	UV
71-43-2-----	Benzene	10	UV
10061-02-6-----	trans-1,3-Dichloropropene	10	UV
75-25-2-----	Bromoform	10	UV
108-10-1-----	4-Methyl-2-Pentanone	10	UV
591-78-6-----	2-Hexanone	10	UV
127-18-4-----	Tetrachloroethene	10	UV
79-34-5-----	1,1,2,2-Tetrachloroethane	10	UV
108-88-3-----	Toluene	10	UV
108-90-7-----	Chlorobenzene	10	UV
100-41-4-----	Ethylbenzene	10	UV
100-42-5-----	Styrene	10	UV
1330-20-7-----	Xylene (Total)	10	UV

FORM I VOA

Amn
8 SEPT 00

036

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB022800

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) WATER

Lab Sample ID: 70301002

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B9782

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: not dec. _____

Date Analyzed: 03/06/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0✓

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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Amn
39EPT03

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB030200

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) WATER

Lab Sample ID: 70301007

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B9813

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: not dec. _____

Date Analyzed: 03/07/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	4	JB ✓
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U ✓
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	2	J
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U ✓ ✓
591-78-6-----	2-Hexanone	10	U ✓
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

CMM
8 SEPT 00
056

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB030200

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) WATER

Lab Sample ID: 70301007

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B9813

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: not dec. _____

Date Analyzed: 03/07/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 ✓

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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FORM I VOA-TIC

am
8 SEPT 00

057

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB030200

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) WATER

Lab Sample ID: 70301008

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B9815

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: not dec. _____

Date Analyzed: 03/07/00✓

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

Dilution Factor: 1.0✓

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	3	J
67-64-1-----	Acetone	10	U✓
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	2	J
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U✓
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U✓✓
591-78-6-----	2-Hexanone	10	U✓
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

CMG
8 SEPT 00

092

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB030200

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) WATER

Lab Sample ID: 70301008

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B9815

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: not dec. _____

Date Analyzed: 03/07/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 ✓

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB030100

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) WATER

Lab Sample ID: 70301004

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B9824

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: not dec. _____

Date Analyzed: 03/08/00 ✓

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

Dilution Factor: 1.0 ✓

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	7	JB
67-64-1-----	Acetone	4	JB
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U ✓
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

Am7
3 SEPT 00

049

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB030100

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) WATER

Lab Sample ID: 70301004

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B9824

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: not dec. _____

Date Analyzed: 03/08/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 /

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB022800RE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) WATER

Lab Sample ID: 70301002RE

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B9879

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: not dec.

Date Analyzed: 03/10/00

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

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	6	J
67-64-1	Acetone	32	
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (Total)	10	U

FORM I VOA

03/10/00
8 SEPT 00

042

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB022800RE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) WATER

Lab Sample ID: 70301002RE

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B9879

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: not dec. _____

Date Analyzed: 03/10/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 ✓

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
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Amn
3 SEPT 00

Semivolatile Organic Data Validation Summary
ERM/Northeast - Mayer Landfill
Analytical Laboratory: Mitkem Corporation
Sample Delivery Group 70301

Analytical results for four (4) soil samples with matrix QC from ERM/Northeast's Mayer Landfill project were reviewed to evaluate the data quality. Data were assessed in accordance with the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (10/95), the United States Environmental Protection Agency (USEPA) National Functional Guidelines for Organic Data Review (Draft 12/90, Revised 6/91) and the USEPA Region II document CLP Organics Data Review and Preliminary Review (SOP No. HW-6, Revision No. 8, January, 1992), where applicable. This validation pertains to the following sample collected on February 28 and March 1 and 2, 2000:

SS-MW-7D, 6'-10'
SS-MW-7D, 6'-10' MS
SS-MW-7D, 6'-10' MSD
SS-MW-11, 16'-18'
SS-MW-12, 8'-12'
SS-MW-13, 12'-14'

The following items/criteria applicable to the samples listed above were reviewed:

- Deliverable Requirements
- Case Narrative
- Holding Times and Sample Preparation
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Data
- Blank Summary and Data
- GC/MS Tuning and Mass Calibration
- Target Compound Identification/Quantitation
- Quantitation Reports and Mass Spectral Data
- EPA/NIH Mass Spectral Library Search for TICs
- Initial and Continuing Calibration Data
- Internal Standard Areas and Retention Times

The above items were in compliance with USEPA and NYSDEC ASP laboratory QC criteria with the exception of the items discussed in the following text. The data have been validated according to the above procedures and qualified as described on the attached definitions list.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) RESULTS

Sample SS-MW-7D, 6'-10' was selected for MS/MSD analysis and all applicable matrix QC criteria have been met for this analysis with the exception of the following relative percent difference (RPD) values, each of which exceeds the QC limits for maximum RPD value:

Compound	RPD	QC Limit
Phenol	51	35
2-Chlorophenol	55	50
1,4-Dichlorobenzene	49	27
N-Nitroso-di-n-propylamine	53	38
1,2,4-Trichlorobenzene	49	23
4-Chloro-3-methylphenol	46	33
Acenaphthene	43	19

No data are qualified on MS/MSD alone, however, and other data does not indicate the need for qualification of the sample results.

LABORATORY CONTROL SAMPLE (LCS) DATA

All applicable laboratory control sample (LCS) data have met the applicable QC criteria.

BLANK SUMMARY AND DATA

The compound bis(2-ethylhexyl)phthalate, a common phthalate ester, was detected in method blank SBLK2T. In accordance with EPA data validation criteria, the associated bis(2-ethylhexyl)phthalate sample results less than ten times the bis(2-ethylhexyl)phthalate result in the blank have been reported as non-detect at the result reported or the contract required quantitation limit (CRQL), whichever is greater, and are not considered to be site related.

Six tentatively identified compounds (TICs) were detected in the associated method blank, including three that are aldol condensation products, which are artifacts of the sample preparation process. In accordance with EPA data validation criteria, TICs identified in both the method blank and the associated samples have been rejected and are considered unusable. Please note that rejecting these TICs has no effect on the usability of the target compound data.

EPA/NIH MASS SPECTRAL LIBRARY SEARCH FOR TICs

USEPA data validation guidelines instruct the validator to use professional judgment to determine the acceptability of TIC identifications. Although it is the opinion of the validator that the laboratory has "over identified" a number of TICs, the decision was made not to second-guess the laboratory on each TIC identification. It should be noted, however, that the identifications are, by definition, tentative and that a less specific identification would often be preferable.

As mentioned above, aldol condensation products are artifacts of the sample preparation process and as such, TICs identified as aldol condensation products are rejected and considered unusable. As noted above in the **Blank Summary and Data** section, rejecting these TICs has no effect on the usability of the target compound data.

INITIAL AND CONTINUING CALIBRATION DATA

The percent difference (%D) between the average relative response factor (RRF) from the initial calibration and the RRF from the continuing calibration standard analyzed on 03.09.00 at 11:50 AM

for the compounds hexachlorocyclopentadiene (30.2%D) and di-n-octylphthalate (26.8%D) exceeded the USEPA technical criteria of 25.0%D. In accordance with EPA data validation criteria, the associated hexachlorocyclopentadiene and di-n-octylphthalate results have been flagged with a "V" and are considered estimated due to variance from quality control criteria.

The %D between the average RRF from the initial calibration and the RRF from the continuing calibration standard analyzed on 03.09.00 at 11:02 PM for the compounds hexachlorocyclopentadiene (38.0%D), 2,4-dinitrophenol (46.5%D), di-n-octylphthalate (36.2%D) and benzo(g,h,i)perylene (26.1%D) exceeded the USEPA technical criteria of 25.0%D. No data have been qualified based upon this variance from quality control criteria, however, because none of the samples in the SDG were associated with this standard.

SUMMARY

In summary, based on 260 sample data points, eight (8) of which were qualified as estimated, and none qualified as unusable, and since estimated data are considered valid and usable, the usability of this data package is 100.0%.

Ant For To

Reviewed By
Anthony M. Noce, CET, CHMM

Date

E. G. Fahrenkopf, Jr.

Approved By
Edward G. Fahrenkopf, Jr.

Date

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW7D610

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70301

Matrix: (soil/water) SOIL Lab Sample ID: 70301001

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S2B3639

Level: (low/med) LOW Date Received: 03/03/00

% Moisture: 14 decanted: (Y/N) N Date Extracted: 03/07/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/09/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2-----	Phenol	390	U
111-44-4-----	bis(-2-Chloroethyl) Ether	390	U
95-57-8-----	2-Chlorophenol	390	U
541-73-1-----	1,3-Dichlorobenzene	390	U
106-46-7-----	1,4-Dichlorobenzene	390	U
95-50-1-----	1,2-Dichlorobenzene	390	U
95-48-7-----	2-Methylphenol	390	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5-----	4-Methylphenol	390	U
621-64-7-----	N-Nitroso-di-n-propylamine	390	U
67-72-1-----	Hexachloroethane	390	U
98-95-3-----	Nitrobenzene	390	U
78-59-1-----	Isophorone	390	U
88-75-5-----	2-Nitrophenol	390	U
105-67-9-----	2,4-Dimethylphenol	390	U
120-83-2-----	2,4-Dichlorophenol	390	U
120-82-1-----	1,2,4-Trichlorobenzene	390	U
91-20-3-----	Naphthalene	390	U
106-47-8-----	4-Chloroaniline	390	U
111-91-1-----	bis(2-Chloroethoxy) methane	390	U
87-68-3-----	Hexachlorobutadiene	390	U
59-50-7-----	4-Chloro-3-methylphenol	390	U
91-57-6-----	2-Methylnaphthalene	390	U
77-47-4-----	Hexachlorocyclopentadiene	390	U ✓
88-06-2-----	2,4,6-Trichlorophenol	390	U
95-95-4-----	2,4,5-Trichlorophenol	960	U
91-58-7-----	2-Chloronaphthalene	390	U
88-74-4-----	2-Nitroaniline	960	U
131-11-3-----	Dimethylphthalate	390	U
208-96-8-----	Acenaphthylene	390	U
606-20-2-----	2,6-Dinitrotoluene	390	U
99-09-2-----	3-Nitroaniline	960	U
83-32-9-----	Acenaphthene	390	U ✓

FORM I SV-1

OLM03.0

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272

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW7D610

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) SOIL

Lab Sample ID: 70301001

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S2B3639

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: 14 decanted: (Y/N) N

Date Extracted: 03/07/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 03/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

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

CAS NO.	COMPOUND	Q
51-28-5	2,4-Dinitrophenol	960 U
100-02-7	4-Nitrophenol	960 U
132-64-9	Dibenzofuran	390 U
121-14-2	2,4-Dinitrotoluene	390 U
84-66-2	Diethylphthalate	390 U
7005-72-3	4-Chlorophenyl-phenylether	390 U
86-73-7	Fluorene	390 U
100-01-6	4-Nitroaniline	960 U
534-52-1	4,6-Dinitro-2-methylphenol	960 U
86-30-6	N-Nitrosodiphenylamine (1)	390 U
101-55-3	4-Bromophenyl-phenylether	390 U
118-74-1	Hexachlorobenzene	390 U
87-86-5	Pentachlorophenol	960 U
85-01-8	Phenanthrene	390 U
120-12-7	Anthracene	390 U
86-74-8	Carbazole	390 U
84-74-2	Di-n-butylphthalate	390 U
206-44-0	Fluoranthene	390 U
129-00-0	Pyrene	390 U
85-68-7	Butylbenzylphthalate	390 U
91-94-1	3,3'-Dichlorobenzidine	390 U
56-55-3	Benzo(a)anthracene	390 U
218-01-9	Chrysene	390 U
117-81-7	bis(2-Ethylhexyl)phthalate	390 U
117-84-0	Di-n-octylphthalate	390 U
205-99-2	Benzo(b)fluoranthene	390 U
207-08-9	Benzo(k)fluoranthene	390 U
50-32-8	Benzo(a)pyrene	390 U
193-39-5	Indeno(1,2,3-cd)pyrene	390 U
53-70-3	Dibenzo(a,h)anthracene	390 U
191-24-2	Benzo(g,h,i)perylene	390 U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

Amn
89EPT00

OLM03.0

273

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW7D610

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) SOIL

Lab Sample ID: 70301001

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S2B3639

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: 14 decanted: (Y/N) N

Date Extracted: 03/07/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 03/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

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

Number TICs found: 7

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.75	1000	J
2. 123 42 2	2-PENTANONE, 4-HYDROXY-4-MET	4.15	17000	ANJB
3.	UNKNOWN ORGANIC ACID	5.29	1100	J
4.	UNKNOWN	15.81	89	J
5.	UNKNOWN	18.03	150	J
6.	UNKNOWN	22.70	580	JB
7.	UNKNOWN	23.28	520	J
8.	UNKNOWN	23.72	600	J
9.	UNKNOWN	31.55	140	J
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FORM I SV-TIC

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8 SEPT 00

OLM03.0

274

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW12812

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) SOIL

Lab Sample ID: 70301003

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: S2B3642

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: 13 decanted: (Y/N) N

Date Extracted: 03/07/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 03/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

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

108-95-2-----Phenol	380	U
111-44-4-----bis(-2-Chloroethyl) Ether	380	U
95-57-8-----2-Chlorophenol	380	U
541-73-1-----1,3-Dichlorobenzene	380	U
106-46-7-----1,4-Dichlorobenzene	380	U
95-50-1-----1,2-Dichlorobenzene	380	U
95-48-7-----2-Methylphenol	380	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	380	U
106-44-5-----4-Methylphenol	380	U
621-64-7-----N-Nitroso-di-n-propylamine	380	U
67-72-1-----Hexachloroethane	380	U
98-95-3-----Nitrobenzene	380	U
78-59-1-----Isophorone	380	U
88-75-5-----2-Nitrophenol	380	U
105-67-9-----2,4-Dimethyphenol	380	U
120-83-2-----2,4-Dichlorophenol	380	U
120-82-1-----1,2,4-Trichlorobenzene	380	U
91-20-3-----Naphthalene	380	U
106-47-8-----4-Chloroaniline	380	U
111-91-1-----bis(2-Chloroethoxy)methane	380	U
87-68-3-----Hexachlorobutadiene	380	U
59-50-7-----4-Chloro-3-methylphenol	380	U
91-57-6-----2-Methylnaphthalene	380	U
77-47-4-----Hexachlorocyclopentadiene	380	U
88-06-2-----2,4,6-Trichlorophenol	380	U
95-95-4-----2,4,5-Trichlorophenol	940	U
91-58-7-----2-Chloronaphthalene	380	U
88-74-4-----2-Nitroaniline	940	U
131-11-3-----Dimethylphthalate	380	U
208-96-8-----Acenaphthylene	380	U
606-20-2-----2,6-Dinitrotoluene	380	U
99-09-2-----3-Nitroaniline	940	U
83-32-9-----Acenaphthene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW12812

Lab Name: MITKEM CORPORATION Contract:
 Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70301
 Matrix: (soil/water) SOIL Lab Sample ID: 70301003
 Sample wt/vol: 30.6 (g/mL) G Lab File ID: S2B3642
 Level: (low/med) LOW Date Received: 03/03/00
 % Moisture: 13 decanted: (Y/N) N Date Extracted: 03/07/00
 Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/09/00
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH: 7.5

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

CAS NO.	COMPOUND	Q
51-28-5	2,4-Dinitrophenol	940 U
100-02-7	4-Nitrophenol	940 U
132-64-9	Dibenzofuran	380 U
121-14-2	2,4-Dinitrotoluene	380 U
84-66-2	Diethylphthalate	380 U
7005-72-3	4-Chlorophenyl-phenylether	380 U
86-73-7	Fluorene	380 U
100-01-6	4-Nitroaniline	940 U
534-52-1	4,6-Dinitro-2-methylphenol	940 U
86-30-6	N-Nitrosodiphenylamine (1)	380 U
101-55-3	4-Bromophenyl-phenylether	380 U
118-74-1	Hexachlorobenzene	380 U
87-86-5	Pentachlorophenol	940 U
85-01-8	Phenanthrene	380 U
120-12-7	Anthracene	380 U
86-74-8	Carbazole	380 U
84-74-2	Di-n-butylphthalate	380 U
206-44-0	Fluoranthene	380 U
129-00-0	Pyrene	380 U
85-68-7	Butylbenzylphthalate	380 U
91-94-1	3,3'-Dichlorobenzidine	380 U
56-55-3	Benzo(a)anthracene	380 U
218-01-9	Chrysene	380 U
117-81-7	bis(2-Ethylhexyl)phthalate	380 U
117-84-0	Di-n-octylphthalate	380 U
205-99-2	Benzo(b)fluoranthene	380 U
207-08-9	Benzo(k)fluoranthene	380 U
50-32-8	Benzo(a)pyrene	380 U
193-39-5	Indeno(1,2,3-cd)pyrene	380 U
53-70-3	Dibenzo(a,h)anthracene	380 U
191-24-2	Benzo(g,h,i)perylene	380 U

(1) - Cannot be separated from Diphenylamine

Amn
8 SEPT 00

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW12812

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) SOIL

Lab Sample ID: 70301003

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: S2B3642

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: 13 decanted: (Y/N) N

Date Extracted: 03/07/00

Concentrated Extract Volume: 500(uL)

Date Analyzed: 03/09/00

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.5

Number TICs found: 8

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.74	1000	J
2. ~~123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.15~~	~~16000~~	~~ANJB~~
3.	UNKNOWN	5.28	1100	J
4.	UNKNOWN	15.81	110	J
5.	UNKNOWN	22.69	750	JB
6.	UNKNOWN	25.69	78	J
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FORM I SV-TIC

Qm7
3 SEPT 00

OLM03.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW111618

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) SOIL

Lab Sample ID: 70301005

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S2B3643

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: 13 decanted: (Y/N) N

Date Extracted: 03/07/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 03/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

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

108-95-2-----	Phenol	380	U
111-44-4-----	bis(-2-Chloroethyl) Ether	380	U
95-57-8-----	2-Chlorophenol	380	U
541-73-1-----	1,3-Dichlorobenzene	380	U
106-46-7-----	1,4-Dichlorobenzene	380	U
95-50-1-----	1,2-Dichlorobenzene	380	U
95-48-7-----	2-Methylphenol	380	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5-----	4-Methylphenol	380	U
621-64-7-----	N-Nitroso-di-n-propylamine	380	U
67-72-1-----	Hexachloroethane	380	U
98-95-3-----	Nitrobenzene	380	U
78-59-1-----	Isophorone	380	U
88-75-5-----	2-Nitrophenol	380	U
105-67-9-----	2,4-Dimethyphenol	380	U
120-83-2-----	2,4-Dichlorophenol	380	U
120-82-1-----	1,2,4-Trichlorobenzene	380	U
91-20-3-----	Naphthalene	380	U
106-47-8-----	4-Chloroaniline	380	U
111-91-1-----	bis(2-Chloroethoxy) methane	380	U
87-68-3-----	Hexachlorobutadiene	380	U
59-50-7-----	4-Chloro-3-methylphenol	380	U
91-57-6-----	2-Methylnaphthalene	380	U
77-47-4-----	Hexachlorocyclopentadiene	380	U
88-06-2-----	2,4,6-Trichlorophenol	380	U
95-95-4-----	2,4,5-Trichlorophenol	950	U
91-58-7-----	2-Chloronaphthalene	380	U
88-74-4-----	2-Nitroaniline	950	U
131-11-3-----	Dimethylphthalate	380	U
208-96-8-----	Acenaphthylene	380	U
606-20-2-----	2,6-Dinitrotoluene	380	U
99-09-2-----	3-Nitroaniline	950	U
83-32-9-----	Acenaphthene	380	U

Amn
3 SEPT 00

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW111618

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) SOIL

Lab Sample ID: 70301005

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S2B3643

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: 13 decanted: (Y/N) N

Date Extracted: 03/07/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 03/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.0

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	950	U
100-02-7-----	4-Nitrophenol	950	U
132-64-9-----	Dibenzofuran	380	U
121-14-2-----	2,4-Dinitrotoluene	380	U
84-66-2-----	Diethylphthalate	380	U
7005-72-3-----	4-Chlorophenyl-phenylether	380	U
86-73-7-----	Fluorene	380	U
100-01-6-----	4-Nitroaniline	950	U
534-52-1-----	4,6-Dinitro-2-methylphenol	950	U
86-30-6-----	N-Nitrosodiphenylamine (1)	380	U
101-55-3-----	4-Bromophenyl-phenylether	380	U
118-74-1-----	Hexachlorobenzene	380	U
87-86-5-----	Pentachlorophenol	950	U
85-01-8-----	Phenanthrene	380	U
120-12-7-----	Anthracene	380	U
86-74-8-----	Carbazole	380	U
84-74-2-----	Di-n-butylphthalate	380	U
206-44-0-----	Fluoranthene	380	U
129-00-0-----	Pyrene	380	U
85-68-7-----	Butylbenzylphthalate	380	U
91-94-1-----	3,3'-Dichlorobenzidine	380	U
56-55-3-----	Benzo(a)anthracene	380	U
218-01-9-----	Chrysene	380	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	380	U
117-84-0-----	Di-n-octylphthalate	380	U
205-99-2-----	Benzo(b)fluoranthene	380	U
207-08-9-----	Benzo(k)fluoranthene	380	U
50-32-8-----	Benzo(a)pyrene	380	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	380	U
53-70-3-----	Dibenzo(a,h)anthracene	380	U
191-24-2-----	Benzo(g,h,i)perylene	380	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

Amn
30 SEPT 00

OLM03.0

315

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW111618

Lab Name: MITKEM CORPORATION Contract:
Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70301
Matrix: (soil/water) SOIL Lab Sample ID: 70301005
Sample wt/vol: 30.3 (g/mL) G Lab File ID: S2B3643
Level: (low/med) LOW Date Received: 03/03/00
% Moisture: 13 decanted: (Y/N) N Date Extracted: 03/07/00
Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/09/00
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y pH: 8.0

Number TICs found: 75

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.75	870	J
2. ~~123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-MET~~	~~4.13~~	~~14000~~	~~ANJB~~
3.	UNKNOWN	5.29	910	J
4. 85-60-9	PHENOL, 4,4'-BUTYLIDENE BIS[2	22.05	120	NJ
5. 301-02-0	9-OCTADECENAMIDE, (Z)-	22.68	480	NJ
6.	UNKNOWN	22.89	120	JB
7.	UNKNOWN	24.75	83	J
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FORM I SV-TIC

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OLM03.0

316

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW131214

Lab Name: MITKEM CORPORATION Contract:
 Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70301
 Matrix: (soil/water) SOIL Lab Sample ID: 70301006
 Sample wt/vol: 30.1[✓] (g/mL) G Lab File ID: S2B3644
 Level: (low/med) LOW[✓] Date Received: 03/03/00
 % Moisture: 10[✓] decanted: (Y/N) N Date Extracted: 03/07/00[✓]
 Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/09/00[✓]
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0[✓]
 GPC Cleanup: (Y/N) Y[✓] pH: 8.3

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

108-95-2-----	Phenol	370	U
111-44-4-----	bis(-2-Chloroethyl) Ether	370	U
95-57-8-----	2-Chlorophenol	370	U
541-73-1-----	1,3-Dichlorobenzene	370	U
106-46-7-----	1,4-Dichlorobenzene	370	U
95-50-1-----	1,2-Dichlorobenzene	370	U
95-48-7-----	2-Methylphenol	370	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	370	U
106-44-5-----	4-Methylphenol	370	U
621-64-7-----	N-Nitroso-di-n-propylamine	370	U
67-72-1-----	Hexachloroethane	370	U
98-95-3-----	Nitrobenzene	370	U
78-59-1-----	Isophorone	370	U
88-75-5-----	2-Nitrophenol	370	U
105-67-9-----	2,4-Dimethylphenol	370	U
120-83-2-----	2,4-Dichlorophenol	370	U
120-82-1-----	1,2,4-Trichlorobenzene	370	U
91-20-3-----	Naphthalene	370	U
106-47-8-----	4-Chloroaniline	370	U
111-91-1-----	bis(2-Chloroethoxy) methane	370	U
87-68-3-----	Hexachlorobutadiene	370	U
59-50-7-----	4-Chloro-3-methylphenol	370	U
91-57-6-----	2-Methylnaphthalene	370	U
77-47-4-----	Hexachlorocyclopentadiene	370	U [✓]
88-06-2-----	2,4,6-Trichlorophenol	370	U
95-95-4-----	2,4,5-Trichlorophenol	920	U
91-58-7-----	2-Chloronaphthalene	370	U
88-74-4-----	2-Nitroaniline	920	U
131-11-3-----	Dimethylphthalate	370	U
208-96-8-----	Acenaphthylene	370	U
606-20-2-----	2,6-Dinitrotoluene	370	U
99-09-2-----	3-Nitroaniline	920	U
83-32-9-----	Acenaphthene	370	U [✓]

FORM I SV-1

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8 SEPT 00

OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW131214

Lab Name: MITKEM CORPORATION Contract:
Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70301
Matrix: (soil/water) SOIL Lab Sample ID: 70301006
Sample wt/vol: 30.1 (g/mL) G Lab File ID: S2B3644
Level: (low/med) LOW Date Received: 03/03/00
% Moisture: 10 decanted: (Y/N) N Date Extracted: 03/07/00
Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/09/00
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y pH: 8.3

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

51-28-5-----	2,4-Dinitrophenol	920	U
100-02-7-----	4-Nitrophenol	920	U
132-64-9-----	Dibenzofuran	370	U
121-14-2-----	2,4-Dinitrotoluene	370	U
84-66-2-----	Diethylphthalate	370	U
7005-72-3-----	4-Chlorophenyl-phenylether	370	U
86-73-7-----	Fluorene	370	U
100-01-6-----	4-Nitroaniline	920	U
534-52-1-----	4,6-Dinitro-2-methylphenol	920	U
86-30-6-----	N-Nitrosodiphenylamine (1)	370	U
101-55-3-----	4-Bromophenyl-phenylether	370	U
118-74-1-----	Hexachlorobenzene	370	U
87-86-5-----	Pentachlorophenol	920	U
85-01-8-----	Phenanthrene	370	U
120-12-7-----	Anthracene	370	U
86-74-8-----	Carbazole	370	U
84-74-2-----	Di-n-butylphthalate	370	U
206-44-0-----	Fluoranthene	370	U
129-00-0-----	Pyrene	370	U
85-68-7-----	Butylbenzylphthalate	370	U
91-94-1-----	3,3'-Dichlorobenzidine	370	U
56-55-3-----	Benzo (a) anthracene	370	U
218-01-9-----	Chrysene	370	U
117-81-7-----	bis (2-Ethylhexyl) phthalate	370	U
117-84-0-----	Di-n-octylphthalate	370	U
205-99-2-----	Benzo (b) fluoranthene	370	U
207-08-9-----	Benzo (k) fluoranthene	370	U
50-32-8-----	Benzo (a) pyrene	370	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	370	U
53-70-3-----	Dibenzo (a,h) anthracene	370	U
191-24-2-----	Benzo (g,h,i) perylene	370	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

Qm
8 SEPT 00

OLM03.0

333

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW131214

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70301

Matrix: (soil/water) SOIL

Lab Sample ID: 70301006

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S2B3644

Level: (low/med) LOW

Date Received: 03/03/00

% Moisture: 10 decanted: (Y/N) N

Date Extracted: 03/07/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 03/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.3

Number TICs found: 75

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.74	760	J
2. ~~123-42-2~~	~~2-PENTANONE, 4-HYDROXY-4-METHYL~~	~~4.14~~	~~13000~~	~~ANJB~~
3.	UNKNOWN	5.28	810	J
4. 111-90-0	ETHANOL, 2-(2-ETHOXYETHOXY)-	6.56	300	NJ
5.	UNKNOWN	15.81	110	J
6.	UNKNOWN	22.69	720	JB
7.	UNKNOWN	26.51	80	J
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Pesticides Data Validation Summary
ERM/Northeast - Mayer Landfill
Analytical Laboratory: Mitkem Corporation
Sample Delivery Group 70301

Analytical results for four (4) soil samples with matrix QC from ERM/Northeast's Mayer Landfill project were reviewed to evaluate the data quality. Data were assessed in accordance with the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (10/95), the United States Environmental Protection Agency (USEPA) National Functional Guidelines for Organic Data Review (Draft 12/90, Revised 6/91) and the USEPA Region II document CLP Organics Data Review and Preliminary Review (SOP No. HW-6, Revision No. 8, January, 1992), where applicable. This validation pertains to the following sample collected on February 28 and March 1 and 2, 2000:

SS-MW-7D, 6'-10'
SS-MW-7D, 6'-10' MSD
SS-MW-7D, 6'-10' MSD
SS-MW-11, 16'-18'
SS-MW-12, 8'-12'
SS-MW-13, 12'-14'

The following items/criteria applicable to the samples listed above were reviewed:

- Case Narrative
- Deliverables Requirements
- Holding Times and Sample Preparation
- Surrogate Recoveries and Summary
- Laboratory Control Sample (LCS) Data
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Instrument and Method Blanks and Summaries
- Pesticide Initial Calibration of Single and Multi-Component Analytes and Data
- Pesticide Calibration Verification Summaries and Data
- Pesticide Analytical Sequence and Data
- Pesticide Clean-up Procedures QA/QC
- Pesticide Identification Summaries of Single and Multi-Component Analytes and Data
- Pesticide Analysis Data Sheet and Data

The above items were in compliance with EPA and NYSDEC ASP laboratory QC criteria with the exception of the items discussed in the following text. The data have been validated according to the above procedures and qualified as described on the attached definitions list.

DELIVERABLES REQUIREMENTS

As noted in the laboratory Case Narrative, the instrument's internal computer clock was erroneously set to May rather than March. All of the analyses were completed within holding times, and no data have been qualified based upon this clerical error.

SURROGATE RECOVERIES AND SUMMARY

All applicable surrogate QC criteria have been met for this analysis with the exception of the tetrachloro-m-xylene recovery for the matrix spike on the DB-5 column. Both method and validation criteria allow for one of the surrogates to recover outside of QC limits on each column, however, and no data have been qualified based upon this surrogate recovery.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) RESULTS

Sample SS-MW-7D, 6'-10' was selected for MS/MSD analysis and all applicable matrix QC criteria have been met for this analysis.

LABORATORY CONTROL SAMPLE (LCS) DATA

All laboratory control sample (LCS) data have met the applicable QC criteria.

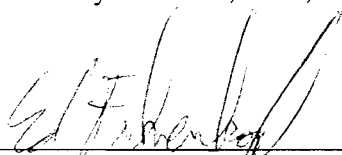
SUMMARY

In summary, based on 112 sample data points, none of which were qualified as estimated, and none qualified as unusable, the usability of this data package is 100%.

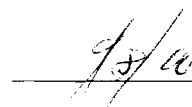


Reviewed By
Anthony M. Noce, CET, CHMM

Date



Approved By
Edward G. Fahrenkopf, Jr.



Date

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW111618

Lab Name: MITKEM CORPORATION Contract:
Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70301
Matrix: (soil/water) SOIL Lab Sample ID: 70301005
Sample wt/vol: 30.3 (g/mL) G Lab File ID: E2B8559F
% Moisture: 13 decanted: (Y/N) N Date Received: 03/03/00
Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/07/00
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/11/00
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y pH: 8.0 Sulfur Cleanup: (Y/N) Y

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

319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.8	U
7421-93-4	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	76	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	38	U

Amn
8 SEP 2000

FORM I PEST

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW12812

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70301

Matrix: (soil/water) SOIL Lab Sample ID: 70301003

Sample wt/vol: 30.6 (g/mL) G Lab File ID: E2B8558F

% Moisture: 13 decanted: (Y/N) N Date Received: 03/03/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/07/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: ⁰³~~05~~/11/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	1.9	U
319-85-7-----	beta-BHC	1.9	U
319-86-8-----	delta-BHC	1.9	U
58-89-9-----	gamma-BHC (Lindane)	1.9	U
76-44-8-----	Heptachlor	1.9	U
309-00-2-----	Aldrin	1.9	U
1024-57-3-----	Heptachlor epoxide	1.9	U
959-98-8-----	Endosulfan I	1.9	U
60-57-1-----	Dieldrin	3.7	U
72-55-9-----	4,4'-DDE	3.7	U
72-20-8-----	Endrin	3.7	U
33213-65-9-----	Endosulfan II	3.7	U
72-54-8-----	4,4'-DDD	3.7	U
1031-07-8-----	Endosulfan sulfate	3.7	U
50-29-3-----	4,4'-DDT	3.7	U
72-43-5-----	Methoxychlor	19	U
53494-70-5-----	Endrin ketone	3.7	U
7421-93-4-----	Endrin aldehyde	3.7	U
5103-71-9-----	alpha-Chlordane	1.9	U
5103-74-2-----	gamma-Chlordane	1.9	U
8001-35-2-----	Toxaphene	190	U
12674-11-2-----	Aroclor-1016	37	U
11104-28-2-----	Aroclor-1221	76	U
11141-16-5-----	Aroclor-1232	37	U
53469-21-9-----	Aroclor-1242	37	U
12672-29-6-----	Aroclor-1248	37	U
11097-69-1-----	Aroclor-1254	37	U
11096-82-5-----	Aroclor-1260	37	U

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3 SEPT 00

FORM I PEST

OLM03.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW131214

Lab Name: MITKEM CORPORATION Contract:
Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70301
Matrix: (soil/water) SOIL Lab Sample ID: 70301006
Sample wt/vol: 30.1 (g/mL) G Lab File ID: E2B8560F
% Moisture: 10 decanted: (Y/N) N Date Received: 03/03/00
Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/07/00
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 03/05/11/00
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y pH: 8.3 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4'-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	3.7	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U

Amn
3 SEPT 00

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW7D610

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70301

Matrix: (soil/water) SOIL Lab Sample ID: 70301001

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E2B8555F

% Moisture: 14 decanted: (Y/N) N Date Received: 03/03/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/07/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: ²³05/11/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4 Sulfur Cleanup: (Y/N) Y

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0 U	
319-85-7	beta-BHC	2.0 U	
319-86-8	delta-BHC	2.0 U	
58-89-9	gamma-BHC (Lindane)	2.0 U	
76-44-8	Heptachlor	2.0 U	
309-00-2	Aldrin	2.0 U	
1024-57-3	Heptachlor epoxide	2.0 U	
959-98-8	Endosulfan I	2.0 U	
60-57-1	Dieldrin	3.8 U	
72-55-9	4,4'-DDE	3.8 U	
72-20-8	Endrin	3.8 U	
33213-65-9	Endosulfan II	3.8 U	
72-54-8	4,4'-DDD	3.8 U	
1031-07-8	Endosulfan sulfate	3.8 U	
50-29-3	4,4'-DDT	3.8 U	
72-43-5	Methoxychlor	20 U	
53494-70-5	Endrin ketone	3.8 U	
7421-93-4	Endrin aldehyde	3.8 U	
5103-71-9	alpha-Chlordane	2.0 U	
5103-74-2	gamma-Chlordane	2.0 U	
8001-35-2	Toxaphene	200 U	
12674-11-2	Aroclor-1016	38 U	
11104-28-2	Aroclor-1221	78 U	
11141-16-5	Aroclor-1232	38 U	
53469-21-9	Aroclor-1242	38 U	
12672-29-6	Aroclor-1248	38 U	
11097-69-1	Aroclor-1254	38 U	
11096-82-5	Aroclor-1260	38 U	

CLM
3 SEPT 00

FORM I PEST

OLM03.0

Inorganic Data Validation Summary
ERM/Northeast - Mayer Landfill
Analytical Laboratory: Mitkem Corporation
Sample Delivery Group 70301

Analytical results for four (4) soil samples with matrix QC and from ERM/Northeast's Mayer Landfill project were reviewed to evaluate the data quality. Data were assessed in accordance with the New York State Department of Environmental Conservation (NYSDEC) **Analytical Services Protocol** (10/95), the United States Environmental Protection Agency (USEPA) **National Functional Guidelines for Organic Data Review** (Draft 12/90, Revised 6/91) and the USEPA Region II document **Checklist for Evaluation of Metals Data for the Contract Laboratory Program, Appendix A.1**, where applicable. This validation pertains to the following sample collected on February 28 and March 1 and 2, 2000:

SS-MW-7D, 6'-10'
SS-MW-7D, 6'-10' DUP
SS-MW-7D, 6'-10' MS
SS-MW-11, 16'-18'
SS-MW-12, 8'-12'
SS-MW-13, 12'-14'

The following items/criteria applicable to the samples listed above were reviewed:

- Deliverable Requirements
- Case Narrative
- Holding Times and Sample Preparation
- Initial and Continuing Calibration Data
- CRDL Standards for ICP
- Instrument and Preparation Blank Summary and Data
- ICP Interference Check Sample
- Spiked Sample Recovery Data
- Laboratory Duplicate Data
- Laboratory Control Samples (LCS)
- ICP Serial Dilution Data
- Verification of Instrument Parameters

The above items were in compliance with EPA and NYSDEC ASP criteria with the exception of the items discussed in the following text. The data have been validated according to the above procedures and qualified as described on the attached definitions list.

DELIVERABLE REQUIREMENTS

The laboratory failed to properly flag each of the cobalt results with an "E", indicating that the ICP Serial Dilution had failed to meet quality control criteria. This flag has been added during validation and no additional data qualification is required as a result of this clerical error.

CRDL STANDARDS FOR ICP

A contract required detection limit (CRDL) standard must exhibit a percent recovery between 80 and 120 to be considered within QC limits. The initial CRDL standard exhibited an elevated percent recovery for lead (133.7%). In accordance with EPA data validation criteria, each of the lead results reported within the affected range ($\pm 2 \times \text{CRDL}$) has been flagged with a "V" and is considered estimated due to variance from quality control criteria.

SPIKED SAMPLE RECOVERY DATA and LABORATORY DUPLICATE DATA

Sample SS-MW-7D, 6'-10' was selected for matrix spike and laboratory duplicate analysis and all applicable matrix QC criteria have been met for these analyses with the following exceptions:

Analyte	% R	QC limits
Antimony	35.1	75-125%
Manganese	368.1	75-125%
Mercury	59.3	75-125%

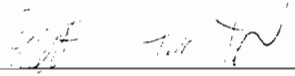
It should be noted that the post-digest spike sample recovery for antimony was 95.7% and that the manganese sample result is greater than four times the amount of spike added. In accordance with EPA data validation criteria, the associated antimony and mercury results have been flagged with a "V" and are considered estimated due to variance from quality control criteria.

ICP SERIAL DILUTION DATA

The percent difference (%D) value between the initial sample result and the serial dilution result for cobalt was 12.0, which exceeds the QC limit of 10.0%D for an analyte whose initial concentration is greater than 50 times the IDL. In accordance with EPA data validation criteria, the associated cobalt result has been flagged with a "V" and is considered estimated due to variance from quality control criteria.

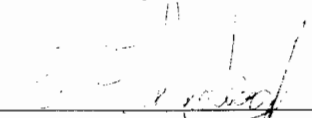
SUMMARY

In summary, based on 96 sample data points, six (6) of which were qualified as estimated, and none qualified as unusable, and since estimated data are considered valid and usable, the usability of this data package is 100%.

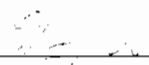


Reviewed By
Anthony M. Noce, CET, CHMM

Date



Approved By
Edward G. Fahrenkopf, Jr.



Date

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW7D610

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70301____

Matrix (soil/water): SOIL_____ Lab Sample ID: 70301001_____

Level (low/med): MED_____ Date Received: 03/03/00_____

% Solids: 86.0_____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8270			P
7440-36-0	Antimony	0.76	U	N✓	P
7440-38-2	Arsenic	2.4			P
7440-39-3	Barium	38.8			P
7440-41-7	Beryllium	0.34	B		P
7440-43-9	Cadmium	1.2			P
7440-70-2	Calcium	7650			P
7440-47-3	Chromium	11.4			P
7440-48-4	Cobalt	6.0	B	✓ V	P
7440-50-8	Copper	15.8			P
7439-89-6	Iron	17000			P
7439-92-1	Lead	4.5		V	P
7439-95-4	Magnesium	4000			P
7439-96-5	Manganese	1030			P
7439-97-6	Mercury	0.058	U	N	CV
7440-02-0	Nickel	17.3			P
7440-09-7	Potassium	791	B		P
7782-49-2	Selenium	0.57	U		P
7440-22-4	Silver	3.2			P
7440-23-5	Sodium	30.1	B		P
7440-28-0	Thallium	0.38	U		P
7440-62-2	Vanadium	0.19	B		P
7440-66-6	Zinc	49.5			P
56-12-5	Cyanide	0.20	U		C

Amn
89EPT00

Color Before: GRAY_____ Clarity Before: _____ Texture: CLAY____

Color After: LIGHT_YELLOW Clarity After: CLEAR____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW111618

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70301____

Matrix (soil/water): SOIL_____ Lab Sample ID: 70301005_____

Level (low/med): MED_____ Date Received: 03/03/00_____

% Solids: 89.0_____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11200			P
7440-36-0	Antimony	0.72	U	N	P
7440-38-2	Arsenic	3.3			P
7440-39-3	Barium	39.3			P
7440-41-7	Beryllium	0.43	B		P
7440-43-9	Cadmium	1.5			P
7440-70-2	Calcium	1810			P
7440-47-3	Chromium	14.6			P
7440-48-4	Cobalt	7.6	B	E	P
7440-50-8	Copper	23.8			P
7439-89-6	Iron	23500			P
7439-92-1	Lead	5.4		V	P
7439-95-4	Magnesium	5620			P
7439-96-5	Manganese	1050			P
7439-97-6	Mercury	0.054	U	N	CV
7440-02-0	Nickel	21.9			P
7440-09-7	Potassium	882	B		P
7782-49-2	Selenium	0.54	U		P
7440-22-4	Silver	4.1			P
7440-23-5	Sodium	73.4	B		P
7440-28-0	Thallium	0.36	U		P
7440-62-2	Vanadium	0.11	U		P
7440-66-6	Zinc	62.5			P
56-12-5	Cyanide	0.20	U		C

(LMD)
3 SEPT 00

Color Before: TAN_____ Clarity Before: _____ Texture: CLAY____

Color After: LIGHT_YELLOW Clarity After: CLEAR____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW12812

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70301____

Matrix (soil/water): SOIL_____ Lab Sample ID: 70301003_____

Level (low/med): MED_____ Date Received: 03/03/00_____

% Solids: 87.0_____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11600			P
7440-36-0	Antimony	0.79	U	N	P
7440-38-2	Arsenic	4.4			P
7440-39-3	Barium	48.5			P
7440-41-7	Beryllium	0.46	B		P
7440-43-9	Cadmium	1.5			P
7440-70-2	Calcium	1880			P
7440-47-3	Chromium	14.4			P
7440-48-4	Cobalt	7.9	B	E	P
7440-50-8	Copper	23.4			P
7439-89-6	Iron	23300			P
7439-92-1	Lead	5.4		V	P
7439-95-4	Magnesium	4290			P
7439-96-5	Manganese	819			P
7439-97-6	Mercury	0.064	B	N	CV
7440-02-0	Nickel	21.7			P
7440-09-7	Potassium	975	B		P
7782-49-2	Selenium	0.59	U		P
7440-22-4	Silver	4.0			P
7440-23-5	Sodium	41.2	B		P
7440-28-0	Thallium	0.39	U		P
7440-62-2	Vanadium	0.12	U		P
7440-66-6	Zinc	67.9			P
56-12-5	Cyanide	0.17	U		C

*Ann
8 SEPT 00*

Color Before: TAN_____ Clarity Before: _____ Texture: CLAY__

Color After: LIGHT_YELLOW Clarity After: CLEAR__ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW131214

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70301_____

Matrix (soil/water): SOIL_____ Lab Sample ID: 70301006_____

Level (low/med): MED_____ Date Received: 03/03/00_____

% Solids: 89.0_____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10600			P
7440-36-0	Antimony	0.72	U	N	P
7440-38-2	Arsenic	4.5			P
7440-39-3	Barium	44.3			P
7440-41-7	Beryllium	0.44	B		P
7440-43-9	Cadmium	1.4			P
7440-70-2	Calcium	17300			P
7440-47-3	Chromium	13.9			P
7440-48-4	Cobalt	6.4	B	E	P
7440-50-8	Copper	22.4			P
7439-89-6	Iron	21700			P
7439-92-1	Lead	4.4		V	P
7439-95-4	Magnesium	5090			P
7439-96-5	Manganese	582			P
7439-97-6	Mercury	0.054	B	N	CV
7440-02-0	Nickel	19.5			P
7440-09-7	Potassium	1120			P
7782-49-2	Selenium	0.54	U		P
7440-22-4	Silver	3.6			P
7440-23-5	Sodium	50.1	B		P
7440-28-0	Thallium	0.36	U		P
7440-62-2	Vanadium	0.11	U		P
7440-66-6	Zinc	57.7			P
56-12-5	Cyanide	0.19	U		C

Am7
89EPT00

Color Before: TAN_____ Clarity Before: _____

Texture: CLAY_____

Color After: LIGHT_YELLOW Clarity After: CLEAR_____

Artifacts: _____

Comments:

Volatile Organic Data Validation Summary
ERM/Northeast - Mayer Landfill
Analytical Laboratory: Mitkem Corporation
Sample Delivery Group 70231

Analytical results for one (1) soil sample, one (1) field blank and one (1) trip blank from ERM/Northeast's Mayer Landfill project were reviewed to evaluate the data quality. Data were assessed in accordance with the New York State Department of Environmental Conservation (NYSDEC) **Analytical Services Protocol** (10/95), the United States Environmental Protection Agency (USEPA) **National Functional Guidelines for Organic Data Review** (Draft 12/90, Revised 6/91) and the USEPA Region II document **CLP Organics Data Review and Preliminary Review** (SOP No. HW-6, Revision No. 8, January, 1992), where applicable. This validation pertains to the following samples collected on February 17, 2000:

SS-MW-8, 16'-18'
FB021700 (*field blank*)
TB021700 (*trip blank*)

The following items/criteria applicable to the samples listed above were reviewed:

- Deliverable Requirements
- Case Narrative
- Holding Times and Sample Preparation
- System Monitoring Compound (SMC) Recoveries
- Laboratory Control Sample (LCS) Data
- Blank Summary and Data
- GC/MS Tuning and Mass Calibration
- Target Compound Identification/Quantitation
- Quantitation Reports and Mass Spectral Data
- EPA/NIH Mass Spectral Library Search for TICs
- Initial and Continuing Calibration Data
- Internal Standard Areas and Retention Times

The above items were in compliance with USEPA and NYSDEC ASP laboratory QC criteria with the exception of the items discussed in the following text. The data have been validated according to the above procedures and qualified as described on the attached definitions list.

DELIVERABLE REQUIREMENTS

One of the listed tentatively identified compounds (TICs) for sample SS-MW-8, 16'-18' did not include an "N" qualifier. The flag was added to the result and no data have been qualified based upon this minor clerical error.

LABORATORY CONTROL SAMPLE (LCS) DATA

All applicable laboratory control sample (LCS) data have met the applicable QC criteria.

BLANK SUMMARY AND DATA

The compound methylene chloride, a common laboratory contaminant, was detected in method blank VBLK5U and the trip blank (TB021700). In accordance with EPA data validation criteria, the associated methylene chloride sample results less than ten times the methylene chloride result in the blank have been reported as non-detect at the result reported or the contract required quantitation limit (CRQL), whichever is greater, and are considered to be laboratory derived and not site related.

The compound acetone, another common laboratory contaminant, was detected in method blanks VBLK5R, VBLK5S and VBLK5U as well as both the holding blank VHBLK5U associated with the samples in this SDG. In accordance with EPA data validation criteria, the acetone sample results have been reported as non-detect at the result reported or the contract required quantitation limit (CRQL), whichever is greater, and are considered to be laboratory derived and not site related.

A TIC identified as an unknown ether was also detected at a retention time of 2.26 minutes in both VBLK5U and VHBLK5U, and an unknown TIC was detected at a retention time of 2.29 minutes VBLK5S. No TICs were detected in the associated sample, however, and no data have been qualified based upon these results.

EPA/NIH MASS SPECTRAL LIBRARY SEARCH FOR TICs

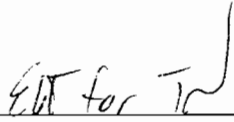
USEPA data validation guidelines instruct the validator to use professional judgment to determine the acceptability of TIC identifications. Although it is the opinion of the validator that the laboratory has “over identified” a number of TICs, the decision was made not to second-guess the laboratory on each TIC identification. It should be noted, however, that the identifications are, by definition, tentative and that a less specific identification would often be preferable (*e.g.*, UNKNOWN SUBSTITUTED ALKENE rather than DECAHYDRO-4,8,8-TRIMETHYL-1,4-METHANOAZULENE).

INITIAL AND CONTINUING CALIBRATION DATA

The percent difference (%D) between the average relative response factor (RRF) from the initial calibration and the RRF from the continuing calibration standard analyzed on 02.22.00 for the compounds bromomethane (33.8%D), acetone (38.2%D) and 4-methyl-2-pentanone (33.6%D) exceeded the USEPA technical criteria of 25.0%D. In accordance with USEPA data validation criteria, the associated bromomethane, acetone, and 4-methyl-2-pentanone results have been flagged with a “V” and are considered estimated due to variance from quality control criteria. It should be noted that the field blank (FB021700) was the only sample associated with this calibration standard.

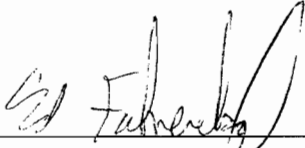
SUMMARY

In summary, based on 33 sample data points, none of which were qualified as estimated, and none qualified as unusable, and since estimated data are considered valid and usable, the usability of this data package is 100.0%.

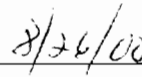


Reviewed By
Anthony M. Noce, CET, CHMM

Date



Approved By
Edward G. Fahrenkopf, Jr



Date

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW81618

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70231

Matrix: (soil/water) SOIL

Lab Sample ID: 70231001

Sample wt/vol: 5.4 (g/mL) G

Lab File ID: V5B9665

Level: (low/med) LOW

Date Received: 02/18/00

% Moisture: not dec. 41

Date Analyzed: 02/24/00

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

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

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

74-87-3	Chloromethane	16	U
74-83-9	Bromomethane	16	U
75-01-4	Vinyl Chloride	16	U
75-00-3	Chloroethane	16	U
75-09-2	Methylene Chloride	16	U
67-64-1	Acetone	28	U
75-15-0	Carbon Disulfide	16	U
75-35-4	1,1-Dichloroethene	16	U
75-34-3	1,1-Dichloroethane	16	U
540-59-0	1,2-Dichloroethene (Total)	16	U
67-66-3	Chloroform	16	U
107-06-2	1,2-Dichloroethane	16	U
78-93-3	2-Butanone	16	U
71-55-6	1,1,1-Trichloroethane	16	U
56-23-5	Carbon Tetrachloride	16	U
75-27-4	Bromodichloromethane	16	U
78-87-5	1,2-Dichloropropane	16	U
10061-01-5	cis-1,3-Dichloropropene	16	U
79-01-6	Trichloroethene	16	U
124-48-1	Dibromochloromethane	16	U
79-00-5	1,1,2-Trichloroethane	16	U
71-43-2	Benzene	4	J
10061-02-6	trans-1,3-Dichloropropene	16	U
75-25-2	Bromoform	16	U
108-10-1	4-Methyl-2-Pentanone	16	U
591-78-6	2-Hexanone	2	J
127-18-4	Tetrachloroethene	16	U
79-34-5	1,1,2,2-Tetrachloroethane	16	U
108-88-3	Toluene	2	J
108-90-7	Chlorobenzene	27	
100-41-4	Ethylbenzene	7	J
100-42-5	Styrene	16	U
1330-20-7	Xylene (Total)	100	

FORM I VOA

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26 AUG 00

029

EPA SAMPLE NO.

SSMW81618

Contract :

SDG No.: 70231

Lab Sample ID: 70231001

Lab File ID: V5B9665

Date Received: 02/18/00

Date Analyzed: 02/24/00

Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN HYDROCARBON	11.41	48	J
2.	C3-BENZENE ISOMER	12.03	23	J
3.	C3-BENZENE ISOMER	12.10	59	J
4.	UNKNOWN ALKANE	12.46	31	J
5.	C3-BENZENE ISOMER	12.56	170	J
6.	C4-BENZENE ISOMER	12.77	34	J
7. 1678-93-9	CYCLOHEXANE, BUTYL-	12.86	49	NJ
8.	C4-BENZENE ISOMER	12.95	31	J
9.	DICHLOROBENZENE ISOMER	13.05	42	J
10.	TRIMETHYLBENZENE ISOMER	13.10	89	J
11.	UNKNOWN ALKANE	13.17	18	J
12.	UNKNOWN ALKANE	13.35	37	J
13.	C4-BENZENE ISOMER	13.42	26	J
14. 493-02-7	NAPHTHALENE, DECAHYDRO-, TRA	13.47	63	NJ
15. 1120-21-4	UNDECANE	13.56	53	NJ
16.	UNKNOWN	13.67	27	J
17. 527-84-4	BENZENE, 1-METHYL-2-(1-METHYL-2-METHYLENYL)-	13.81	78	NJ J
18.	C4-BENZENE ISOMER	13.89	43	J
19.	C4-BENZENE ISOMER	14.05	36	J
20.	UNKNOWN	14.17	16	J
21.	C4-BENZENE ISOMER	14.27	38	J
22.	UNKNOWN CYCLOALKANE	14.33	19	J
23.	C4-BENZENE ISOMER	14.39	30	J
24.	C4-BENZENE ISOMER	14.46	35	J
25.	UNKNOWN	14.54	30	J
26. 112-40-3	DODECANE	14.91	24	NJ
27. 527-84-4	BENZENE, 1-METHYL-2-(1-METHYL-2-METHYLENYL)-	14.99	57	NJ J
28.	UNKNOWN	15.10	16	J
29. 119-64-2	NAPHTHALENE, 1,2,3,4-TETRAHY	15.21	25	NJ
30. 464-48-2	BICYCLO[2.2.1]HEPTAN-2-ONE,	15.35	20	JN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB021700

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70231

Matrix: (soil/water) WATER

Lab Sample ID: 70231003

Sample wt/vol: 5.000 (g/mL) ML ✓

Lab File ID: V5B9623

Level: (low/med) LOW ✓

Date Received: 02/18/00

% Moisture: not dec. _____

Date Analyzed: 02/22/00 ✓

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

Dilution Factor: 1.0 ✓

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U ✓
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U ✓
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U ✓
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

CMN
26 AUG 00

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB021700

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70231

Matrix: (soil/water) WATER

Lab Sample ID: 70231003

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B9623

Level: (low/med) LOW

Date Received: 02/18/00

% Moisture: not dec. _____

Date Analyzed: 02/22/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 ✓

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB021700

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70231

Matrix: (soil/water) WATER

Lab Sample ID: 70231002

Sample wt/vol: 5.000 (g/mL) ML ✓

Lab File ID: V5B9593

Level: (low/med) LOW ✓

Date Received: 02/18/00

% Moisture: not dec. _____

Date Analyzed: 02/21/00 ✓

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

Dilution Factor: 1.0 ✓

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	3	J ✓
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

Amn
26 AUG 00

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB021700

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70231

Matrix: (soil/water) WATER

Lab Sample ID: 70231002

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5B9593

Level: (low/med) LOW

Date Received: 02/18/00

% Moisture: not dec. _____

Date Analyzed: 02/21/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 ✓

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
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077

Semivolatile Organic Data Validation Summary
ERM/Northeast - Mayer Landfill
Analytical Laboratory: Mitkem Corporation
Sample Delivery Group 70231

Analytical results for one (1) soil sample from ERM/Northeast's Mayer Landfill project were reviewed to evaluate the data quality. Data were assessed in accordance with the New York State Department of Environmental Conservation (NYSDEC) **Analytical Services Protocol** (10/95), the United States Environmental Protection Agency (USEPA) **National Functional Guidelines for Organic Data Review** (Draft 12/90, Revised 6/91) and the USEPA Region II document **CLP Organics Data Review and Preliminary Review** (SOP No. HW-6, Revision No. 8, January, 1992), where applicable. This validation pertains to the following sample collected on February 17, 2000:

SS-MW-8, 16'-18'

The following items/criteria applicable to the samples listed above were reviewed:

- Deliverable Requirements
- Case Narrative
- Holding Times and Sample Preparation
- Surrogate Recoveries
- Laboratory Control Sample (LCS) Data
- Blank Summary and Data
- GC/MS Tuning and Mass Calibration
- Target Compound Identification/Quantitation
- Quantitation Reports and Mass Spectral Data
- EPA/NIH Mass Spectral Library Search for TICs
- Initial and Continuing Calibration Data
- Internal Standard Areas and Retention Times

The above items were in compliance with USEPA and NYSDEC ASP laboratory QC criteria with the exception of the items discussed in the following text. The data have been validated according to the above procedures and qualified as described on the attached definitions list.

DELIVERABLE REQUIREMENTS

One of the listed tentatively identified compounds (TICs) for sample SS-MW-8, 16'-18' did not include an "N" qualifier. The flag was added to the result and no data have been qualified based upon this minor clerical error.

LABORATORY CONTROL SAMPLE (LCS) DATA

All applicable laboratory control sample (LCS) data have met the applicable QC criteria.

BLANK SUMMARY AND DATA

The compound bis(2-ethylhexyl)phthalate, a common phthalate ester, was detected in method blank SBLK2A. The associated bis(2-ethylhexyl)phthalate sample result is greater than the contract required quantitation limit (CRQL) and ten times the blank result and therefore requires no qualification.

Seven tentatively identified compounds (TICs) were detected in the associated method blank, including two that are aldol condensation products, which are artifacts of the sample preparation process. With the exception of the aldol condensation products, none of the TICs detected in the method blank were detected in the associated sample, however, and no data have been qualified based upon these results.

EPA/NIH MASS SPECTRAL LIBRARY SEARCH FOR TICs

USEPA data validation guidelines instruct the validator to use professional judgment to determine the acceptability of TIC identifications. Although it is the opinion of the validator that the laboratory has "over identified" a number of TICs, the decision was made not to second-guess the laboratory on each TIC identification. It should be noted, however, that the identifications are, by definition, tentative and that a less specific identification would often be preferable. In addition, the laboratory has identified two different TICs as the same compound on several occasions. Since this is impossible, a less specific identification has been applied to these TICs during the validation process.

As mentioned above, aldol condensation products are artifacts of the sample preparation process and as such, TICs identified as aldol condensation products are rejected and considered usable. Please note that rejecting these TICs has no effect on the usability of the target compound data.

INITIAL AND CONTINUING CALIBRATION DATA

The percent difference (%D) between the average relative response factor (RRF) from the initial calibration and the RRF from the continuing calibration standard analyzed on 03.09.00 for the compounds hexachlorocyclopentadiene (30.2%D) and di-n-octylphthalate (26.8%D) exceeded the USEPA technical criteria of 25.0%D. The only sample associated with this continuing calibration standard is SS-MW-8, 16'-18' DL, a 1:2 dilution of sample SS-MW-8, 16'-18', and the only compound reported from this analysis is bis(2-ethylhexyl)phthalate; the associated hexachlorocyclopentadiene and di-n-octylphthalate results have not been reported. Therefore, no data have been qualified based upon these %D values.

INTERNAL STANDARD AREAS AND RETENTION TIMES

All internal standard QC criteria have been met with the following exceptions:

Sample SS-MW-8, 16'-18'

Internal Standard	Area	QC limits (-50% to +100% of internal standard area)
Chrysene-d12	23946	30983 to 123930
Perylene-d12	20666	22706 to 90822

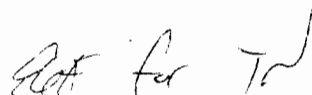
Sample SS-MW-8, 16'-18' DL

Internal Standard	Area	QC limits (-50% to +100% of internal standard area)
Chrysene-d12	23073	34522 to 138088
Perylene-d12	15307	24404 to 97616

In accordance with EPA data validation criteria, sample results associated with these internal standards have been flagged with a "V" and are considered estimated due to variance from quality control criteria.

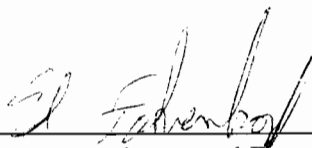
SUMMARY

In summary, based on 64 sample data points, eight (8) of which were qualified as estimated, and none qualified as unusable, and since estimated data are considered valid and usable, the usability of this data package is 100.0%.

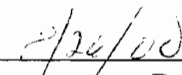


Reviewed By
Anthony M. Noce, CET, CHMM

Date



Approved By
Edward G. Fahrenkopf, Jr.



Date

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW81618

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70231

Matrix: (soil/water) SOIL

Lab Sample ID: 70231001

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S2B3431

Level: (low/med) LOW

Date Received: 02/18/00

% Moisture: 41 decanted: (Y/N) N

Date Extracted: 02/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 02/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

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

CAS NO.	COMPOUND	Q
108-95-2	Phenol	1100 U
111-44-4	bis(-2-Chloroethyl) Ether	1100 U
95-57-8	2-Chlorophenol	1100 U
541-73-1	1,3-Dichlorobenzene	1100 U
106-46-7	1,4-Dichlorobenzene	1300
95-50-1	1,2-Dichlorobenzene	660 J
95-48-7	2-Methylphenol	1100 U
108-60-1	2,2'-oxybis(1-Chloropropane)	1100 U
106-44-5	4-Methylphenol	1100 U
621-64-7	N-Nitroso-di-n-propylamine	1100 U
67-72-1	Hexachloroethane	1100 U
98-95-3	Nitrobenzene	1100 U
78-59-1	Isophorone	1100 U
88-75-5	2-Nitrophenol	1100 U
105-67-9	2,4-Dimethylphenol	1100 U
120-83-2	2,4-Dichlorophenol	1100 U
120-82-1	1,2,4-Trichlorobenzene	1100 U
91-20-3	Naphthalene	4100
106-47-8	4-Chloroaniline	1100 U
111-91-1	bis(2-Chloroethoxy) methane	1100 U
87-68-3	Hexachlorobutadiene	1100 U
59-50-7	4-Chloro-3-methylphenol	1100 U
91-57-6	2-Methylnaphthalene	420 J
77-47-4	Hexachlorocyclopentadiene	1100 U
88-06-2	2,4,6-Trichlorophenol	1100 U
95-95-4	2,4,5-Trichlorophenol	2800 U
91-58-7	2-Chloronaphthalene	1100 U
88-74-4	2-Nitroaniline	2800 U
131-11-3	Dimethylphthalate	1100 U
208-96-8	Acenaphthylene	1100 U
606-20-2	2,6-Dinitrotoluene	1100 U
99-09-2	3-Nitroaniline	2800 U
83-32-9	Acenaphthene	1100 U

Gm
26 AUG 00 197

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW81618

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70231

Matrix: (soil/water) SOIL

Lab Sample ID: 70231001

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S2B3431

Level: (low/med) LOW

Date Received: 02/18/00

% Moisture: 41 decanted: (Y/N) N

Date Extracted: 02/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 02/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	2800	U
100-02-7-----	4-Nitrophenol	2800	U
132-64-9-----	Dibenzofuran	1100	U
121-14-2-----	2,4-Dinitrotoluene	1100	U
84-66-2-----	Diethylphthalate	1100	U
7005-72-3-----	4-Chlorophenyl-phenylether	1100	U
86-73-7-----	Fluorene	1100	U
100-01-6-----	4-Nitroaniline	2800	U
534-52-1-----	4,6-Dinitro-2-methylphenol	2800	U
86-30-6-----	N-Nitrosodiphenylamine (1)	180	J
101-55-3-----	4-Bromophenyl-phenylether	1100	U
118-74-1-----	Hexachlorobenzene	1100	U
87-86-5-----	Pentachlorophenol	2800	U
85-01-8-----	Phenanthrene	420	J
120-12-7-----	Anthracene	1100	U
86-74-8-----	Carbazole	1100	U
84-74-2-----	Di-n-butylphthalate	1100	U
206-44-0-----	Fluoranthene	1100	U
129-00-0-----	Pyrene	290	J
85-68-7-----	Butylbenzylphthalate	4300	
91-94-1-----	3,3'-Dichlorobenzidine	1100	U
56-55-3-----	Benzo (a) anthracene	1100	U
218-01-9-----	Chrysene	1100	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	~~10000~~ 14000	BE-00V
117-84-0-----	Di-n-octylphthalate	1100	U✓
205-99-2-----	Benzo (b) fluoranthene	1100	U✓
207-08-9-----	Benzo (k) fluoranthene	1100	U✓
50-32-8-----	Benzo (a) pyrene	1100	U✓
193-39-5-----	Indeno (1,2,3-cd) pyrene	1100	U✓
53-70-3-----	Dibenzo (a,h) anthracene	1100	U✓
191-24-2-----	Benzo (g,h,i) perylene	1100	U✓

(1) - Cannot be separated from Diphenylamine

THE BIS(2-ETHYLHEXYL) PHTHALATE RESULT REPORTED HAS BEEN TRANSFERRED FROM THE FORM I FOR SSMW81618DL, A FORM I SV-2 1:2 DILUTION OF OLM03.0 SSMW81618

CMN
26 AUG 00

190

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SSMW81618

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70231

Matrix: (soil/water) SOIL

Lab Sample ID: 70231001

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S2B3431

Level: (low/med) LOW

Date Received: 02/18/00

% Moisture: 41 decanted: (Y/N) N

Date Extracted: 02/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 02/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.4

Number TICs found: 24 ²³

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-METHYL-	4.58	9200	ANJE
2. 80-56-8	.ALPHA.-PINENE	6.09	8400	NJ
3. 611-14-3	BENZENE, 1-ETHYL-2-METHYL-	6.50	2300	NJ
4. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	6.62	3300	NJ
5. 95-36-3	1,2,4-TRIMETHYLBENZENE	7.00	2700	NJ
6. 2051-30-1	OCTANE, 2,6-DIMETHYL-	7.36	3900	NJ
7. 105-05-5	BENZENE, 1,4-DIETHYL-	7.89	2100	NJ
8. 1120-21-4	UNDECANE	8.45	3800	NJ
9. 76-22-2	CAMPOR	9.20	2300	NJ
10.	UNKNOWN	15.76	2700	J
11.	UNKNOWN	17.29	46000	J
12.	UNKNOWN ORGANIC ACID	17.51	28000	J
13.	UNKNOWN	18.17	23000	J
14.	UNKNOWN	18.80	12000	J
15. 57-11-4	OCTADECANOIC ACID	19.11	20000	NJ
16.	UNKNOWN PAH	19.74	22000	J
17. 629-99-2	PENTACOSANE	21.49	5100	JIN
18. 112-95-8	EICOSANE	22.14	14000	NJ
19. 629-78-7	HEPTADECANE	22.76	17000	NJ
20. 7098-22-8	TETRADECANE	23.36	14000	NJ
21. 638-67-5	TRICOSANE] UNKNOWN ALKANE	24.00	21000	NJ
22. 638-67-5	TRICOSANE] UNKNOWN ALKANE	24.75	17000	NJ
23. 629-62-9	PENTADECANE] UNKNOWN ALKANE	26.68	16000	NJ
24. 629-62-9	PENTADECANE] UNKNOWN ALKANE	27.93	9800	NJ
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

OLM03.0

Amn
26 AUG 00 100

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW81618DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70231

Matrix: (soil/water) SOIL

Lab Sample ID: 70231001DL

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S2B3638

Level: (low/med) LOW

Date Received: 02/18/00

% Moisture: 41 decanted: (Y/N) N

Date Extracted: 02/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 8.4

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

108-95-2-----	Phenol	2200	U
111-44-4-----	bis(-2-Chloroethyl)Ether	2200	U
95-57-8-----	2-Chlorophenol	2200	U
541-73-1-----	1,3-Dichlorobenzene	2200	U
106-46-7-----	1,4-Dichlorobenzene	1400	DJ
95-50-1-----	1,2-Dichlorobenzene	660	DJ
95-48-7-----	2-Methylphenol	2200	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	2200	U
106-44-5-----	4-Methylphenol	2200	U
621-64-7-----	N-Nitroso-di-n-propylamine	2200	U
67-72-1-----	Hexachloroethane	2200	U
98-95-3-----	Nitrobenzene	2200	U
78-59-1-----	Isophorone	2200	U
88-75-5-----	2-Nitrophenol	2200	U
105-67-9-----	2,4-Dimethylphenol	2200	U
120-83-2-----	2,4-Dichlorophenol	2200	U
120-82-1-----	1,2,4-Trichlorobenzene	2200	U
91-20-3-----	Naphthalene	4400	D
106-47-8-----	4-Chloroaniline	2200	U
111-91-1-----	bis(2-Chloroethoxy)methane	2200	U
87-68-3-----	Hexachlorobutadiene	2200	U
59-50-7-----	4-Chloro-3-methylphenol	2200	U
91-57-6-----	2-Methylnaphthalene	430	DJ
77-47-4-----	Hexachlorocyclopentadiene	2200	U
88-06-2-----	2,4,6-Trichlorophenol	2200	U
95-95-4-----	2,4,5-Trichlorophenol	5600	U
91-58-7-----	2-Chloronaphthalene	2200	U
88-74-4-----	2-Nitroaniline	5600	U
131-11-3-----	Dimethylphthalate	2200	U
208-96-8-----	Acenaphthylene	2200	U
606-20-2-----	2,6-Dinitrotoluene	2200	U
99-09-2-----	3-Nitroaniline	5600	U
83-32-9-----	Acenaphthene	2200	U

FORM I SV-1

OLM03.0

Cum7
26 AUG 00

244

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW81618DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70231

Matrix: (soil/water) SOIL

Lab Sample ID: 70231001DL

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S2B3638

Level: (low/med) LOW

Date Received: 02/18/00

% Moisture: 41 decanted: (Y/N) N

Date Extracted: 02/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 8.4

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

51-28-5-----	2,4-Dinitrophenol	5600	U
100-02-7-----	4-Nitrophenol	5600	U
132-64-9-----	Dibenzofuran	2200	U
121-14-2-----	2,4-Dinitrotoluene	2200	U
84-66-2-----	Diethylphthalate	2200	U
7005-72-3-----	4-Chlorophenyl-phenylether	2200	U
86-73-7-----	Fluorene	2200	U
100-01-6-----	4-Nitroaniline	5600	U
534-52-1-----	4,6-Dinitro-2-methylphenol	5600	U
86-30-6-----	N-Nitrosodiphenylamine (1)	230	DJ
101-55-3-----	4-Bromophenyl-phenylether	2200	U
118-74-1-----	Hexachlorobenzene	2200	U
87-86-5-----	Pentachlorophenol	5600	U
85-01-8-----	Phenanthrene	450	DJ
120-12-7-----	Anthracene	2200	U
86-74-8-----	Carbazole	2200	U
84-74-2-----	Di-n-butylphthalate	250	DJ
206-44-0-----	Fluoranthene	2200	U
129-00-0-----	Pyrene	310	DJ
85-68-7-----	Butylbenzylphthalate	3400	D
91-94-1-----	3,3'-Dichlorobenzidine	2200	U
56-55-3-----	Benzo (a) anthracene	2200	U
218-01-9-----	Chrysene	2200	U
117-81-7-----	bis (2-Ethylhexyl) phthalate	10000	DB
117-84-0-----	Di-n-octylphthalate	2200	U
205-99-2-----	Benzo (b) fluoranthene	2200	U
207-08-9-----	Benzo (k) fluoranthene	2200	U
50-32-8-----	Benzo (a) pyrene	2200	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	2200	U
53-70-3-----	Dibenzo (a,h) anthracene	2200	U
191-24-2-----	Benzo (g,h,i) perylene	2200	U

(1) - Cannot be separated from Diphenylamine

7 - Bis(2-ETHYLHEXYL)PHTHALATE RESULT REPORTED HAS BEEN
TRANSFERRED TO THE FORM I FOR THE ORIGINAL, UNDILUTED
ANALYSIS OF SSMW31618 FORM I SV-2

OLM03.0

CMH
26 AUG 00

245

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SSMW81618DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70231

Matrix: (soil/water) SOIL

Lab Sample ID: 70231001DL

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S2B3638

Level: (low/med) LOW

Date Received: 02/18/00

% Moisture: 41 decanted: (Y/N) N

Date Extracted: 02/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y

pH: 8.4

Number TICs found: 2625

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-METH	4.12	12000	NJD
2. 99-85-4	1,4-CYCLOHEXADIENE, 1-METHYL	5.61	10000	NJD
3. 611-14-3	BENZENE, 1-ETHYL-2-METHYL-	6.01	5800	NJD
4. 95-36-3	1,2,4-TRIMETHYLBENZENE	6.52	4900	NJD
5. 124-18-5	DECANE	6.57	3600	NJD
6. 13877-91-3	1,3,6-OCTATRIENE, 3,7-DIMETH	6.75	3600	NJD
7. 2847-72-5	DECANE, 4-METHYL-	7.43	4400	NJD
8. 934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	7.68	3600	NJD
9. 1120-21-4	UNDECANE	7.98	6200	NJD
10. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	8.28	4500	NJD
11.	UNKNOWN ORGANIC ACID	15.18	14000	JD
12.	UNKNOWN	16.87	16000	JD
13. 57-10-3	HEXADECANOIC ACID	16.96	27000	NJD
14.	UNKNOWN	17.60	23000	JD
15.	UNKNOWN	18.21	20000	JD
16. 57-11-4	OCTADECANOIC ACID	18.55	26000	NJD
17.	UNKNOWN PAH	19.13	18000	JD
18. 112-95-8	EICOSANE UNKNOWN ALKANE	21.59	5600	NJD
19. 593-45-3	OCTADECANE UNKNOWN ALKANE	22.21	7200	NJD
20. 593-45-3	OCTADECANE UNKNOWN ALKANE	22.81	8100	NJD
21. 629-94-7	HENEICOSANE	23.40	2400	NJD
22. 112-95-8	EICOSANE UNKNOWN ALKANE	24.02	2100	NJD
23. 630-01-3	HEXACOSANE	24.76	2400	NJD
24. 7098-22-8	TETRATETRACONTANE	25.64	1600	NJD
25. 112-95-8	EICOSANE UNKNOWN ALKANE	26.68	4800	NJD
26. 629-99-2	PENTACOSANE	27.94	1700	NJD
27.				
28.				
29.				
30.				

FORM I SV-TIC

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26 AUG 00

OLM03.0

248

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK2A

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70231

Matrix: (soil/water) SOIL

Lab Sample ID: S0223-BS1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S2B3423

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 decanted: (Y/N) N

Date Extracted: 02/23/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 02/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

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

108-95-2-----	Phenol	330	U
111-44-4-----	bis(-2-Chloroethyl) Ether	330	U
95-57-8-----	2-Chlorophenol	330	U
541-73-1-----	1,3-Dichlorobenzene	330	U
106-46-7-----	1,4-Dichlorobenzene	330	U
95-50-1-----	1,2-Dichlorobenzene	330	U
95-48-7-----	2-Methylphenol	330	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5-----	4-Methylphenol	330	U
621-64-7-----	N-Nitroso-di-n-propylamine	330	U
67-72-1-----	Hexachloroethane	330	U
98-95-3-----	Nitrobenzene	330	U
78-59-1-----	Isophorone	330	U
88-75-5-----	2-Nitrophenol	330	U
105-67-9-----	2,4-Dimethyphenol	330	U
120-83-2-----	2,4-Dichlorophenol	330	U
120-82-1-----	1,2,4-Trichlorobenzene	330	U
91-20-3-----	Naphthalene	330	U
106-47-8-----	4-Chloroaniline	330	U
111-91-1-----	bis(2-Chloroethoxy)methane	330	U
87-68-3-----	Hexachlorobutadiene	330	U
59-50-7-----	4-Chloro-3-methylphenol	330	U
91-57-6-----	2-Methylnaphthalene	330	U
77-47-4-----	Hexachlorocyclopentadiene	330	U
88-06-2-----	2,4,6-Trichlorophenol	330	U
95-95-4-----	2,4,5-Trichlorophenol	830	U
91-58-7-----	2-Chloronaphthalene	330	U
88-74-4-----	2-Nitroaniline	830	U
131-11-3-----	Dimethylphthalate	330	U
208-96-8-----	Acenaphthylene	330	U
606-20-2-----	2,6-Dinitrotoluene	330	U
99-09-2-----	3-Nitroaniline	830	U
83-32-9-----	Acenaphthene	330	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK2A

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70231

Matrix: (soil/water) SOIL Lab Sample ID: S0223-BS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S2B3423

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

% Moisture: 0 decanted: (Y/N) N Date Extracted: 02/23/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	830	U
100-02-7-----	4-Nitrophenol	830	U
132-64-9-----	Dibenzofuran	330	U
121-14-2-----	2,4-Dinitrotoluene	330	U
84-66-2-----	Diethylphthalate	330	U
7005-72-3-----	4-Chlorophenyl-phenylether	330	U
86-73-7-----	Fluorene	330	U
100-01-6-----	4-Nitroaniline	830	U
534-52-1-----	4,6-Dinitro-2-methylphenol	830	U
86-30-6-----	N-Nitrosodiphenylamine (1)	330	U
101-55-3-----	4-Bromophenyl-phenylether	330	U
118-74-1-----	Hexachlorobenzene	330	U
87-86-5-----	Pentachlorophenol	830	U
85-01-8-----	Phenanthrene	330	U
120-12-7-----	Anthracene	330	U
86-74-8-----	Carbazole	330	U
84-74-2-----	Di-n-butylphthalate	330	U
206-44-0-----	Fluoranthene	330	U
129-00-0-----	Pyrene	330	U
85-68-7-----	Butylbenzylphthalate	330	U
91-94-1-----	3,3'-Dichlorobenzidine	330	U
56-55-3-----	Benzo (a) anthracene	330	U
218-01-9-----	Chrysene	330	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	38	J
117-84-0-----	Di-n-octylphthalate	330	U
205-99-2-----	Benzo (b) fluoranthene	330	U
207-08-9-----	Benzo (k) fluoranthene	330	U
50-32-8-----	Benzo (a) pyrene	330	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	330	U
53-70-3-----	Dibenzo (a,h) anthracene	330	U
191-24-2-----	Benzo (g,h,i) perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK2A

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70231

Matrix: (soil/water) SOIL

Lab Sample ID: S0223-BS1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S2B3423

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 02/23/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 02/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: _____

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

Number TICs found: 7

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 141-79-7	3-PENTEN-2-ONE, 4-METHYL-	3.89	180	ANJ
2.	UNKNOWN ORGANIC ACID	4.19	810	J
3. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	4.61	12000	ANJ
4.	UNKNOWN	5.75	870	J
5.	UNKNOWN	13.06	140	J
6.	UNKNOWN	15.50	300	J
7.	UNKNOWN	16.36	160	J
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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Pesticides Data Validation Summary
ERM/Northeast - Mayer Landfill
Analytical Laboratory: Mitkem Corporation
Sample Delivery Group 70231

Analytical results for one (1) soil sample from ERM/Northeast's Mayer Landfill project were reviewed to evaluate the data quality. Data were assessed in accordance with the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (10/95), the United States Environmental Protection Agency (USEPA) National Functional Guidelines for Organic Data Review (Draft 12/90, Revised 6/91) and the USEPA Region II document CLP Organics Data Review and Preliminary Review (SOP No. HW-6, Revision No. 8, January, 1992), where applicable. This validation pertains to the following sample collected on February 17, 2000:

SS-MW-8, 16'-18'

The following items/criteria applicable to the samples listed above were reviewed:

- Case Narrative
- Deliverables Requirements
- Holding Times and Sample Preparation
- Surrogate Recoveries and Summary
- Laboratory Control Sample (LCS) Data
- Instrument and Method Blanks and Summaries
- Pesticide Initial Calibration of Single and Multi-Component Analytes and Data
- Pesticide Calibration Verification Summaries and Data
- Pesticide Analytical Sequence and Data
- Pesticide Clean-up Procedures QA/QC
- Pesticide Identification Summaries of Single and Multi-Component Analytes and Data
- Pesticide Analysis Data Sheet and Data

The above items were in compliance with EPA and NYSDEC ASP laboratory QC criteria with the exception of the items discussed in the following text. The data have been validated according to the above procedures and qualified as described on the attached definitions list.

LABORATORY CONTROL SAMPLE (LCS) DATA

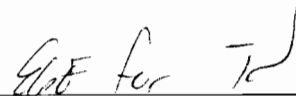
All applicable laboratory control sample (LCS) data have met the applicable QC criteria.

PESTICIDE/PCB IDENTIFICATION

The percent difference (%D) between the result reported on column DB-1701 and the result reported on column DB-608 for each target compound detected is summarized on Forms 10A and 10B. Sample results exhibiting a %D greater than 25 percent have been flagged with a "VN" and are considered estimated with the compound tentatively identified

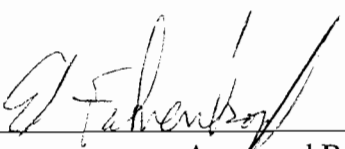
SUMMARY

In summary, based on 28 sample data points, nine (9) of which were qualified as estimated, and none qualified as unusable, and since estimated data are considered valid and usable, the usability of this data package is 100%.

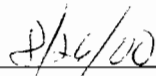


Reviewed By
Anthony M. Noce, CET, CHMM

Date



Approved By
Edward G. Fahrenkopf, Jr.



Date

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SSMW81618

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70231

Matrix: (soil/water) SOIL

Lab Sample ID: 70231001

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: E1B9903F

% Moisture: 41 decanted: (Y/N) N

Date Received: 02/18/00

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 02/23/00

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 02/28/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.4

Sulfur Cleanup: (Y/N) Y

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

319-84-6	alpha-BHC	2.9	U	
319-85-7	beta-BHC	~~2.6~~	~~P~~	3.6V
319-86-8	delta-BHC	10	P	V
58-89-9	gamma-BHC (Lindane)	2.9	U	
76-44-8	Heptachlor	2.9	U	
309-00-2	Aldrin	~~11~~	~~P~~	V
1024-57-3	Heptachlor epoxide	2.9	U	
959-98-8	Endosulfan I	2.9	U	
60-57-1	Dieldrin	13	P	V
72-55-9	4,4'-DDE	~~6.4~~	~~P~~	6.4V
72-20-8	Endrin	5.5	U	
33213-65-9	Endosulfan II	5.5	U	
72-54-8	4,4'-DDD	11	P	V
1031-07-8	Endosulfan sulfate	5.5	U	
50-29-3	4,4'-DDT	5.5	U	
72-43-5	Methoxychlor	29	U	
53494-70-5	Endrin ketone	5.5	U	
7421-93-4	Endrin aldehyde	5.5	U	
5103-71-9	alpha-Chlordane	16	V	
5103-74-2	gamma-Chlordane	~~9.4~~	~~P~~	9.4V
8001-35-2	Toxaphene	290	U	
12674-11-2	Aroclor-1016	55	U	
11104-28-2	Aroclor-1221	110	U	
11141-16-5	Aroclor-1232	55	U	
53469-21-9	Aroclor-1242	310	P	V
12672-29-6	Aroclor-1248	55	U	
11097-69-1	Aroclor-1254	290		
11096-82-5	Aroclor-1260	55	U	

FORM I PEST

GMP
26 AUG 00

OLM03.0

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Inorganic Data Validation Summary
ERM/Northeast - Mayer Landfill
Analytical Laboratory: Mitkem Corporation
Sample Delivery Group 70231

Analytical results for one (1) soil sample and from ERM/Northeast's Mayer Landfill project were reviewed to evaluate the data quality. Data were assessed in accordance with the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (10/95), the United States Environmental Protection Agency (USEPA) National Functional Guidelines for Organic Data Review (Draft 12/90, Revised 6/91) and the USEPA Region II document Checklist for Evaluation of Metals Data for the Contract Laboratory Program, Appendix A.1, where applicable. This validation pertains to the following sample collected on February 17, 2000:

SS-MW-8, 16'-18'

The following items/criteria applicable to the samples listed above were reviewed:

- Deliverable Requirements
- Case Narrative
- Holding Times and Sample Preparation
- Initial and Continuing Calibration Data
- CRDL Standards for ICP
- Instrument and Preparation Blank Summary and Data
- ICP Interference Check Sample
- Laboratory Control Samples (LCS)
- ICP Serial Dilution Data
- Verification of Instrument Parameters

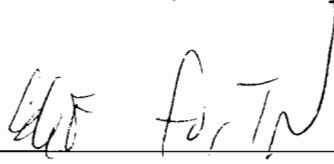
The above items were in compliance with EPA and NYSDEC ASP criteria with the exception of the items discussed in the following text. The data have been validated according to the above procedures and qualified as described on the attached definitions list.

CRDL STANDARDS FOR ICP

A CRDL standard must exhibit a percent recovery between 80 and 120 to be considered within QC limits. The final CRDL standard exhibited elevated percent recoveries for lead (132.8%) and selenium (153.7%) and an extremely low percent recovery for thallium (-32.6%). No data have been qualified based upon these recoveries, however, because the lead result reported does not fall within the affected range ($\pm 2 \times$ CRDL), the selenium result is non-detect and an elevated percent recovery is indicative of a potential high bias, and the thallium recovery is explained in the laboratory Case Narrative. It appears that there was no standard present in the designated position during injection.

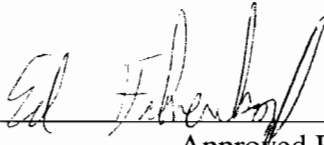
SUMMARY

In summary, based on 24 sample data points, none of which were qualified as estimated, and none qualified as unusable, the usability of this data package is 100%.

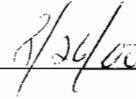


Reviewed By
Anthony M. Noce, CET, CHMM

Date



Approved By
Edward G. Fahrenkopf, Jr.



Date

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SSMW81618

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70231____

Matrix (soil/water): SOIL_____ Lab Sample ID: 70231001_____

Level (low/med): MED_____ Date Received: 02/18/00_____

% Solids: 55.0 ✓

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	29100			P
7440-36-0	Antimony	1.9	B		P
7440-38-2	Arsenic	6.2			P
7440-39-3	Barium	131			P
7440-41-7	Beryllium	0.55	B		P
7440-43-9	Cadmium	13.5			P
7440-70-2	Calcium	5360			P
7440-47-3	Chromium	48.6			P
7440-48-4	Cobalt	15.2	B		P
7440-50-8	Copper	68.0			P
7439-89-6	Iron	79800			P
7439-92-1	Lead	266			P
7439-95-4	Magnesium	7040			P
7439-96-5	Manganese	1920			P
7439-97-6	Mercury	0.17			CV
7440-02-0	Nickel	56.1			P
7440-09-7	Potassium	1630	B		P
7782-49-2	Selenium	1.1	U		P
7440-22-4	Silver	12.3			P
7440-23-5	Sodium	895	B		P
7440-28-0	Thallium	0.73	U		P
7440-62-2	Vanadium	0.22	U		P
7440-66-6	Zinc	347			P
56-12-5	Cyanide	0.19	B		C

Amn
26 AUG 00

Color Before: GREY_____ Clarity Before: _____ Texture: MUD____

Color After: YELLOW____ Clarity After: CLEAR____ Artifacts: _____

Comments:

**Data Validation Report
Mayer Landfill
Blooming Grove, New York
Analytical Laboratory: Mitkem Corporation
Sample Delivery Groups**

Analytical results for the SDG's referenced below, from the Mayer Landfill were reviewed to evaluate the data quality. Data were assessed in accordance with the New York State Department of Environmental Conservation (NYSDEC) **Analytical Services Protocol** (10/95) and professional judgement. Where applicable data were validated following the United States Environmental Protection Agency (USEPA) **National Functional Guidelines for Organic Data Review** (October 1999), the United States Environmental Protection Agency (USEPA) **Laboratory Program National Functional Guidelines for Inorganic Data Review** (February 1994) and the USEPA Region II Evaluation of Metals Data (January 1992 HW-2 Revision 11).

This validation pertains to the following samples collected by Environmental Resources Management:

SDG 70453 Samples: MW-4D, FB-032300, MW-7, MW-7D (also dissolved metals for MW-7D), TB-032300.

SDG 70442 Samples: MW-13, FB032200, MW-6, MW-9S, MW-9D, TB032200, MW-13 Diss, MW-6 Diss, MW-9S Diss.

SDG 70427 Samples: MW-10, FB032000, MW-2, MW-11, TB03200

SDG 70437 Samples: FB032100, TB032100, MW-12, MW-12diss (metals only) MW-5, MW-5diss (metals only) Dup032100, MW-1A, MW-8, MW-3A.

The following items/criteria applicable to the samples listed above were reviewed:

Volatile and Semi-Volatile Data:

- Deliverable Requirements
- Case Narrative
- Holding Times and Sample Preparation
- System Monitoring Compound Recoveries
- Laboratory Control Sample (LCS) Data
- Blank Summary and Data
- GC/MS Tuning and Mass Calibration
- Target Compound Identification/Quantitation
- Quantitation Reports and Mass Spectral Data
- EPA/NIH Mass Spectral Library Search for TICs
- Initial and Continuing Calibration Data
- Internal Standard Areas and Retention Times

Pesticides/PCBs:

- Holding Times
- GC/ECD Instrument Performance Check
- Initial Calibration
- Calibration Verification
- Blanks
- Surrogate Spikes
- Matrix Spikes/Matrix Spike Duplicates
- Laboratory Control Samples/
- Pesticide Cleanup Checks
- Target Compound Identification
- Compound Quantitation and Reported Contract Required Quantitation Limits (CRQLs)

Inorganics:

- Holding Times
- Calibration
- Blanks
- ICP Interference Check Sample
- Laboratory Control Sample
- Duplicate Sample Analysis
- Spike Sample Analysis
- ICP Serial Dilution Analysis
- Graphite Furnace AA (where applicable)
- Field Duplicates

The above items were in compliance with USEPA NYSDEC ASP laboratory QC criteria with the exception of the items discussed in the following text. The data have been validated according to the above procedures.

DELIVERABLES PACKAGE

Note, no data summary package was provided for SDG 70437.

ORGANIC DATA

VOLATILE DATA

Method Blanks

SDG 70453

Acetone was detected in method blank VBLK1B at an estimated concentration of 2 ug/L. Acetone was detected in one sample MW-4D associated with this blank, at an estimated concentration of 5 ug/L

USEPA data validation guidelines, state that for sample results less than ten times the associated laboratory blank concentration, data should be flagged as non-detect at the reported value or the CRDL, whichever is higher. The MW-4D acetone value has been flagged as non-detect at the CRDL.

SDG 70442

Methylene chloride and acetone were detected in the transport blank sample TB032200 at estimated concentrations of 2 ug/L and 4 ug/L, respectively. Acetone was detected in associated method blank sample (VBLK1B) at 2 ug/L. Although methylene chloride was not detected in the blank sample, it was reported in the laboratory blank water laboratory control sample at 2 ug/L. The data indicate that the acetone and methylene chloride reported in the TB032200 sample are laboratory derived. The reported results have been flagged as non-detect at the CRDL.

SDG 70437

Methylene chloride and was detected in the transport blank sample TB032200 and FB032100 at estimated concentrations of 2 ug/L and 1 ug/L, respectively. Although methylene chloride was not detected in the associated laboratory method blank, it was reported in the laboratory blank water laboratory control sample at 2 ug/L. Data indicate that the methylene chloride reported in the TB032200 and FB032111 samples is laboratory derived. The reported results have been flagged as non-detect at the CRDL.

Acetone was reported at estimated concentrations in samples MW-12 (9ug/L) and Dup032100 (2 ug/L). Acetone was also detected in associated method blank sample (VBLK1B) at 2 ug/L. Data indicate that the acetone reported in the samples is laboratory derived. Acetone in these samples has been qualified as non-detect at the CRDL.

System Monitoring Compounds

The case narrative for SDG 70453 stated that no system monitoring compounds were outside QC criteria. However, review of the sample raw data indicated that the recovery of toluene d8 in sample MW-7D was slightly below (recovery 87.8 percent prior to rounding reported result) the 88% QC limit. Consistent with USEPA data validation criteria non-detect results for sample MW-7D have been flagged as estimated. However all the data are considered valid and usable.

Continuing Calibration Data

SDG 70442

The bromomethane percent difference (35%) for the continuing calibration performed on 03/25/00 on instrument V5 exceeded the QC limit of 25%. This continuing calibration sample is associated with samples MW9S, MW13 and FB032200. Pursuant to USEPA data validation guidelines, the bromomethane results for these samples have been flagged as estimated. However the data are valid and usable.

SDG 70427

The average RRF for bromomethane (1.027) reported on form 7 was incorrect and the correct average RRF (0.881) was added by the validator. Recalculation of the reported percent difference for bromomethane using the corrected average RRF resulted in a percent difference of 57.3% which exceeds the QC criteria of 25%. All sample bromomethane results have been qualified as estimated. However, the bromomethane data are valid and usable.

SEMIVOLATILE DATA

No qualification of data required

PESTICIDE/PCBS

Initial Calibration

SDG 70453, SDG 70427, and 70437

The percent RSD for alpha-BHC (26.3%) and gamma-BHC (22.4%) for the initial calibration analyzed on the DB-608 column for instrument E2 on 03/31/00 were slightly above the QC limits (alpha-BHC 25% and gamma-BHC 20%). However, NYSDEC 95-3 methodology allows up to two single component target compounds on a column to exceed the QC criteria provided the %RSDs are below 30%. Also the percent RSDs for these compounds on the DB-5 column were within QC limits and these compounds were not detected at or above the reporting limit in any sample. Therefore data were not qualified based on these exceedences.

Surrogate Recovery

SDG 70437

The tetrachloro-m-xylene percent recovery for sample MW-12 (354%) was above the upper QC limit of 150%. All positive results have been qualified as estimated and may potentially be biased high due to co-eluting interference's.

Compound Identification/Quantification

SDG 70442

Two compounds, 4,4-DDE and alpha chlordane were reported as present in sample MW-6. However, review of the raw data revealed that the retention time for 4,4-DDE and alpha chlordane on column DB-5 and DB-608, respectively, were outside the required retention time windows. Consistent with USEPA and NYSDEC criteria, these compounds have been reported as not detected at the CRDL.

INORGANICS/WET CHEMISTRY

Holding Times

SDG 70427

The holding time for cyanide was exceeded by six days for samples MW-10, MW-11 and MW-2. Cyanide was detected in sample MW-10 and the reported result has been qualified as estimated and may potentially be biased low. Cyanide was not detected in sample MW-2, however the sample was properly preserved and the exceedence of the holding time most likely did not significantly affect the sample result. The MW-2 cyanide result has been qualified as an estimated/non-detect. Cyanide was not detected in the MW-11 sample. However, the initial pH for this sample was less than 12 and therefore the sample was not properly preserved. Therefore, the cyanide result for sample MW-11 has been rejected and is unusable.

CRDL Standard

SDG 70442

The CRDL standard percent recovery for manganese and zinc were slightly above the USEPA region II upper limit of 120%. NYSDEC has no QC criteria for CRDL standard. However, USEPA Region II data validation guidelines state that if the CRDL standard recovery is between 121 – 150 percent, positive results (within the affected range +/- two times the CRDL, 40 ug/L zinc, manganese 30 ug/L should be qualified as estimated. All sample manganese results were outside the affected range and therefore no data qualification was necessary. All zinc sample results were within the affected range and therefore, all zinc data have been qualified as estimated. However, the data are valid and usable.

SDG 70427

The CRDL standard percent recovery for cobalt, magnesium, manganese, nickel, thallium and zinc were above the upper QC limit of 120% and the recovery for silver was below the lower QC limit of 80%. All positive sample results for cobalt, magnesium, manganese, nickel, thallium and zinc within the affected range (+/- two times the CRDL) have been qualified as estimated and may be biased high. All sample silver results within the affected range have been qualified as estimated and may be biased low. The affected data are summarized below. All the qualified data are considered valid and usable.
MW-10 (cobalt, nickel and silver

MW-11 (magnesium, manganese, silver and zinc)
MW-2 (silver and zinc)

SDG 70437

The recovery for zinc (128.2%) and manganese (121.7) were slightly above the QC limit of 120%. All data in the affected range +/- two times the CRDL have been flagged as estimated (all samples for zinc and manganese in MW-5diss.). However the data are valid and usable.

Serial Dilution

SDG 70442

A serial dilution analysis was performed on sample MW9Sdissolved. The percent difference for sodium (17.4%) was above the 10% QC limit and the sample sodium concentration was reported at greater than 50 times the IDL. The MW9S dissolved sodium concentration has been flagged with a "J" and is considered estimated. The sodium result is considered valid and usable.

SDG 70437

A serial dilution analysis was performed on sample MW-1A. The percent recovery for iron (48.1%) was outside the QC limit of 10%. The MW-1A iron value has been flagged as estimated. However, the iron result is valid and usable.

SUMMARY

With the exception of the MW-11 (SDG 70427) cyanide result, the data validation indicated that all data are valid and usable. The data are of sufficient quality to make informed decisions with respect to ground water quality at the Mayer Landfill site. Due to exceedence of holding time and improper preservation, the MW-11 cyanide result has been rejected.

Approved By
Edward G. Fahrenkopf, Jr.

Date

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: 70453001

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D0177

Level: (low/med) LOW

Date Received: 03/24/00

% Moisture: not dec. _____

Date Analyzed: 03/27/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	-----Chloromethane	10 U	
74-83-9	-----Bromomethane	10 U	
75-01-4	-----Vinyl Chloride	10 U	
75-00-3	-----Chloroethane	10 U	
75-09-2	-----Methylene Chloride	10 U	
67-64-1	-----Acetone	5 JB	10.11
75-15-0	-----Carbon Disulfide	10 U	
75-35-4	-----1,1-Dichloroethene	10 U	
75-34-3	-----1,1-Dichloroethane	10 U	
540-59-0	-----1,2-Dichloroethene (Total)	10 U	
67-66-3	-----Chloroform	10 U	
107-06-2	-----1,2-Dichloroethane	10 U	
78-93-3	-----2-Butanone	10 U	
71-55-6	-----1,1,1-Trichloroethane	10 U	
56-23-5	-----Carbon Tetrachloride	10 U	
75-27-4	-----Bromodichloromethane	10 U	
78-87-5	-----1,2-Dichloropropane	10 U	
10061-01-5	-----cis-1,3-Dichloropropene	10 U	
79-01-6	-----Trichloroethene	10 U	
124-48-1	-----Dibromochloromethane	10 U	
79-00-5	-----1,1,2-Trichloroethane	10 U	
71-43-2	-----Benzene	10 U	
10061-02-6	-----trans-1,3-Dichloropropene	10 U	
75-25-2	-----Bromoform	10 U	
108-10-1	-----4-Methyl-2-Pentanone	10 U	
591-78-6	-----2-Hexanone	10 U	
127-18-4	-----Tetrachloroethene	10 U	
79-34-5	-----1,1,2,2-Tetrachloroethane	10 U	
108-88-3	-----Toluene	10 U	
108-90-7	-----Chlorobenzene	10 U	
100-41-4	-----Ethylbenzene	10 U	
100-42-5	-----Styrene	10 U	
1330-20-7	-----Xylene (Total)	10 U	

FORM I VOA

EGF
6/13/00
00012

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: 70453003

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D0178

Level: (low/med) LOW

Date Received: 03/24/00

% Moisture: not dec. _____

Date Analyzed: 03/27/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: 70453004

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: VLD0179

Level: (low/med) LOW

Date Received: 03/24/00

% Moisture: not dec.

Date Analyzed: 03/28/00

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

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

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

CAS NO.

COMPOUND

Q

74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (Total)	10	U

FORM I VOA

00016

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-032300

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: 70453005

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D0175

Level: (low/med) LOW

Date Received: 03/24/00

% Moisture: not dec. _____

Date Analyzed: 03/27/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1BLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: V1L0327A

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D0163

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 03/27/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	2	J
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	47	
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	47	
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	47	
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	48	
108-90-7-----	Chlorobenzene	47	
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: 70453001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B5083

Level: (low/med) LOW

Date Received: 03/24/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/27/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 04/24/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: 70453001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B5083

Level: (low/med) LOW

Date Received: 03/24/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/27/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 04/24/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	4	J
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U
191-24-2-----	Benzo (g,h,i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. .

MW-7

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: 70453003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B5084

Level: (low/med) LOW

Date Received: 03/24/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/27/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 04/24/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

FORM I SV-1

00024

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. .

MW-7

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: 70453003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B5084

Level: (low/med) LOW

Date Received: 03/24/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/27/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 04/24/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: 70453004

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B5085

Level: (low/med) LOW

Date Received: 03/24/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/27/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 04/24/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(-2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	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
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

FORM I SV-1

00027

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: 70453004

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B5085

Level: (low/med) LOW

Date Received: 03/24/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/27/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 04/24/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis (2-Ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U
191-24-2-----	Benzo (g,h,i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. . .

SBLK1DLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: S0327-LW2

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B5082

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/27/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 04/24/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----Phenol	43	
111-44-4-----bis(-2-Chloroethyl) Ether	10	U
95-57-8-----2-Chlorophenol	41	
541-73-1-----1,3-Dichlorobenzene	10	U
106-46-7-----1,4-Dichlorobenzene	26	
95-50-1-----1,2-Dichlorobenzene	10	U
95-48-7-----2-Methylphenol	10	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----4-Methylphenol	10	U
621-64-7-----N-Nitroso-di-n-propylamine	29	
67-72-1-----Hexachloroethane	10	U
98-95-3-----Nitrobenzene	10	U
78-59-1-----Isophorone	10	U
88-75-5-----2-Nitrophenol	10	U
105-67-9-----2,4-Dimethyphenol	10	U
120-83-2-----2,4-Dichlorophenol	10	U
120-82-1-----1,2,4-Trichlorobenzene	27	
91-20-3-----Naphthalene	10	U
106-47-8-----4-Chloroaniline	10	U
111-91-1-----bis(2-Chloroethoxy) methane	10	U
87-68-3-----Hexachlorobutadiene	10	U
59-50-7-----4-Chloro-3-methylphenol	43	
91-57-6-----2-Methylnaphthalene	10	U
77-47-4-----Hexachlorocyclopentadiene	10	U
88-06-2-----2,4,6-Trichlorophenol	10	U
95-95-4-----2,4,5-Trichlorophenol	25	U
91-58-7-----2-Chloronaphthalene	10	U
88-74-4-----2-Nitroaniline	25	U
131-11-3-----Dimethylphthalate	10	U
208-96-8-----Acenaphthylene	10	U
606-20-2-----2,6-Dinitrotoluene	10	U
99-09-2-----3-Nitroaniline	25	U
83-32-9-----Acenaphthene	31	

FORM I SV-1

00030

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1DLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: S0327-LW2

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B5082

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/27/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 04/24/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	54	
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	44	
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	43	
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	33	
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-4D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: 70453001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8981F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 03/24/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 03/24/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/04/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: 70453003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8982F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 03/24/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 03/24/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/04/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

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

CAS NO.

COMPOUND

Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-7D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: 70453004

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8983F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 03/24/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 03/24/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/04/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01LCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: P0324-LW1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8954F

% Moisture: _____ decanted: (Y/N) _____

Date Received:

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 03/24/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/03/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.45	
76-44-8-----	Heptachlor	0.46	
309-00-2-----	Aldrin	0.48	
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	1.0	
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	1.1	
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	1.2	
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-4D

Lab Name: MITKEM_CORPORATION Contract: _____

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

SDG No.: 70453

Matrix (soil/water): WATER Lab Sample ID: 70453001

Level (low/med): MED Date Received: 03/24/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	337			P
7440-36-0	Antimony	4.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	16.0	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.32	B		P
7440-70-2	Calcium	48000			P
7440-47-3	Chromium	0.60	U		P
7440-48-4	Cobalt	0.70	U		P
7440-50-8	Copper	17.2	B		P
7439-89-6	Iron	456			P
7439-92-1	Lead	7.6			P
7439-95-4	Magnesium	20100			P
7439-96-5	Manganese	363			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	1.9	B		P
7440-09-7	Potassium	1980	B		P
7782-49-2	Selenium	8.0			P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	19900			P
7440-28-0	Thallium	4.7	B		P
7440-62-2	Vanadium	31.8	B		P
7440-66-6	Zinc	18.9	B		P
56-12-5	Cyanide	2.0	U		C

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-7

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70453__

Matrix (soil/water): WATER_ Lab Sample ID: 70453003__

Level (low/med): MED__ Date Received: 03/24/00__

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	67.4	B		P
7440-36-0	Antimony	4.0	U		P
7440-38-2	Arsenic	7.7	B		P
7440-39-3	Barium	22.8	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	77000			P
7440-47-3	Chromium	0.60	U		P
7440-48-4	Cobalt	0.70	U		P
7440-50-8	Copper	7.9	B		P
7439-89-6	Iron	424			P
7439-92-1	Lead	4.7			P
7439-95-4	Magnesium	14500			P
7439-96-5	Manganese	2030			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	1.0	B		P
7440-09-7	Potassium	671	B		P
7782-49-2	Selenium	4.9	B		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	8740			P
7440-28-0	Thallium	2.7	B		P
7440-62-2	Vanadium	23.3	B		P
7440-66-6	Zinc	4.9	B		P
56-12-5	Cyanide	2.0	U		C

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-7D

Lab Name: MITKEM_CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70453

Matrix (soil/water): WATER Lab Sample ID: 70453004

Level (low/med): MED Date Received: 03/24/00

% Solids:

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	479			P
7440-36-0	Antimony	4.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	7.8	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	77800			P
7440-47-3	Chromium	0.60	U		P
7440-48-4	Cobalt	0.70	U		P
7440-50-8	Copper	7.7	B		P
7439-89-6	Iron	523			P
7439-92-1	Lead	5.6			P
7439-95-4	Magnesium	14300			P
7439-96-5	Manganese	1260			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	1.6	B		P
7440-09-7	Potassium	891	B		P
7782-49-2	Selenium	7.5			P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	9960			P
7440-28-0	Thallium	3.1	B		P
7440-62-2	Vanadium	23.6	B		P
7440-66-6	Zinc	5.2	B		P
56-12-5	Cyanide	2.0	U		C

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-7D

Lab Name: MITKEM_CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70453

Matrix (soil/water): WATER Lab Sample ID: D70453004

Level (low/med): MED Date Received: 03/24/00

% Solids:

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11.7	B		P
7440-36-0	Antimony	4.1	B		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	3.9	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	89300			P
7440-47-3	Chromium	0.60	U		P
7440-48-4	Cobalt	0.70	U		P
7440-50-8	Copper	5.8	B		P
7439-89-6	Iron	19.6	B		P
7439-92-1	Lead	5.9			P
7439-95-4	Magnesium	15200			P
7439-96-5	Manganese	1620			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	1.0	B		P
7440-09-7	Potassium	804	B		P
7782-49-2	Selenium	6.4			P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	11300			P
7440-28-0	Thallium	2.9	B		P
7440-62-2	Vanadium	24.4	B		P
7440-66-6	Zinc	5.6	B		P
56-12-5	Cyanide	2.0	U		C

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

DISSOLVED_METALS_FOR_MW-7D

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: V1B0327A

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D0162

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 03/27/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	2	J
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VELK1C

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: V1B0328A

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D0193

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 03/28/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK1C

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: V1B0328C

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D0204

Level: (low/med) LOW

Date Received: 03/24/00

% Moisture: not dec. _____

Date Analyzed: 03/28/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: S0327-BW2

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B5081

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/27/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 04/24/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

FORM I SV-1

00056

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: S0327-BW2

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S1B5081

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/27/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 04/24/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U
191-24-2-----	Benzo (g,h,i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

00057

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: P0324-BW1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8953F

% Moisture: _____ decanted: (Y/N) _____

Date Received:

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 03/24/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/03/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKS1

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKS1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8914F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 03/31/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKS1

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKS1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8914R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 03/31/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

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

CAS NO.

COMPOUND

Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKSC

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKSC

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8951F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/03/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKSC

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKSC

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8951R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/03/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

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

CAS NO.

COMPOUND

Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET,

EPA SAMPLE NO.

PIBLKSD

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKSD

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8963F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/03/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKSD

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKSD

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8963R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/03/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

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

CAS NO.

COMPOUND

Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKSE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKSE

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8979F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/04/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/L

Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKSE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKSE

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8979R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/04/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKSF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKSF

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8994F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/04/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

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

CAS NO.

COMPOUND

Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5 0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKSF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70453

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKSF

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8994R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/04/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

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

CAS NO.

COMPOUND

Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW13

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70442

Matrix: (soil/water) WATER

Lab Sample ID: 70442001

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C0100

Level: (low/med) LOW

Date Received: 03/23/00

% Moisture: not dec. _____

Date Analyzed: 03/25/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

6/11/00

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW6

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70442

Matrix: (soil/water) WATER

Lab Sample ID: 70442003

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D0180

Level: (low/med) LOW

Date Received: 03/23/00

% Moisture: not dec. _____

Date Analyzed: 03/28/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW9D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70442

Matrix: (soil/water) WATER

Lab Sample ID: 70442005

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D0181

Level: (low/med) LOW

Date Received: 03/23/00

% Moisture: not dec. _____

Date Analyzed: 03/28/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW9S

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70442

Matrix: (soil/water) WATER

Lab Sample ID: 70442004

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C0102

Level: (low/med) LOW

Date Received: 03/23/00

% Moisture: not dec. _____

Date Analyzed: 03/25/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	45	
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

Ed
6/11/00

00-026

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB032200

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70442

Matrix: (soil/water) WATER

Lab Sample ID: 70442006

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D0164

Level: (low/med) LOW

Date Received: 03/23/00

% Moisture: not dec. _____

Date Analyzed: 03/27/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	2	J 10u
67-64-1-----	Acetone	4	JB 10u
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

808
6/11/00

028

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK1BLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70442

Matrix: (soil/water) WATER

Lab Sample ID: V1L0327A

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D0163

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 03/27/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	2	J
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	47	
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	47	
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	47	
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	48	
108-90-7-----	Chlorobenzene	47	
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW13

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70442

Matrix: (soil/water) WATER

Lab Sample ID: 70442001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4093

Level: (low/med) LOW

Date Received: 03/23/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: _____

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

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW13

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70442

Matrix: (soil/water) WATER

Lab Sample ID: 70442001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4093

Level: (low/med) LOW

Date Received: 03/23/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	2	J
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U
191-24-2-----	Benzo (g,h,i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW6

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70442

Matrix: (soil/water) WATER

Lab Sample ID: 70442003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4097

Level: (low/med) LOW

Date Received: 03/23/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW6

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70442

Matrix: (soil/water) WATER

Lab Sample ID: 70442003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4097

Level: (low/med) LOW

Date Received: 03/23/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW9D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70442

Matrix: (soil/water) WATER

Lab Sample ID: 70442005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4094

Level: (low/med) LOW

Date Received: 03/23/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW9D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70442

Matrix: (soil/water) WATER

Lab Sample ID: 70442005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4094

Level: (low/med) LOW

Date Received: 03/23/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b) fluoranthene	10	U
207-08-9-----	Benzo(k) fluoranthene	10	U
50-32-8-----	Benzo(a) pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h) anthracene	10	U
191-24-2-----	Benzo(g,h,i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW9S

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70442

Matrix: (soil/water) WATER

Lab Sample ID: 70442004

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4098

Level: (low/med) LOW

Date Received: 03/23/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis (-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis (1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	2	J
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis (2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW9S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70442

Matrix: (soil/water) WATER Lab Sample ID: 70442004

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S2B4098

Level: (low/med) LOW Date Received: 03/23/00

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	1	J
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	2	J
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK2ALCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70442

Matrix: (soil/water) WATER

Lab Sample ID: S0323-LW1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4085

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	45	
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	48	
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	32	
95-50-1-----	1,2-Dichlorobenzene	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	36	
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	32	
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	47	
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	32	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK2ALCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70442

Matrix: (soil/water) WATER

Lab Sample ID: S0323-LW1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4085

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	49	
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	33	
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	41	
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	31	
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW13

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70442

Matrix: (soil/water) WATER

Lab Sample ID: 70442001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8958F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 03/23/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 03/24/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/03/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

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

CAS NO.

COMPOUND

Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW6

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70442

Matrix: (soil/water) WATER

Lab Sample ID: 70442003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8998F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 03/23/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 03/24/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/04/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.20	
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.14	P
72-55-9-----	4,4'-DDE	0.16	P
72-20-8-----	Endrin	0.30	P
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.28	P
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	2.4	P

0.10 M

0.050 M

CAF
6/11/00

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW9D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70442

Matrix: (soil/water) WATER

Lab Sample ID: 70442005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8961F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 03/23/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 03/24/00

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 04/03/00

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW9S

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70442

Matrix: (soil/water) WATER

Lab Sample ID: 70442004

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8960F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 03/23/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 03/24/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/03/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW13

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70442

Matrix (soil/water): WATER Lab Sample ID: T70442001

Level (low/med): MED Date Received: 03/23/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	335			P
7440-36-0	Antimony	4.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	9.6	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	7620			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	0.96	B		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	394			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	1210	B		P
7439-96-5	Manganese	62.8			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	1.3	B		P
7440-09-7	Potassium	506	B		P
7782-49-2	Selenium	3.6	B		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	1270	B	E	P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	2.2	B		P
7440-66-6	Zinc	7.5	B	J	P
56-12-5	Cyanide	2.0	U		C

865
6/11/00

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW13DISS

Lab Name: MITKEM_CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70442

Matrix (soil/water): WATER Lab Sample ID: D70442001

Level (low/med): MED Date Received: 03/23/00

% Solids:

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	64.9	B		P
7440-36-0	Antimony	4.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	6.3	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	7940			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	0.70	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	91.4	B		P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	1200	B		P
7439-96-5	Manganese	68.0			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	1.1	B		P
7440-09-7	Potassium	467	B		P
7782-49-2	Selenium	3.0	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	1380	B	E	P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	1.6	B		P
7440-66-6	Zinc	7.8	B	J	P
56-12-5	Cyanide	2.0	U		C

6/11/00

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

DISSOLVED_METALS_FOR_MW-13

NYSDEC - ASP
I
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW6

Lab Name: MITKEM_CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70442

Matrix (soil/water): WATER Lab Sample ID: T70442003

Level (low/med): MED Date Received: 03/23/00

% Solids:

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	377			P
7440-36-0	Antimony	4.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	28.4	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	35100			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	1.1	B		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	594			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	5390			P
7439-96-5	Manganese	335			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	2.1	B		P
7440-09-7	Potassium	1150	B		P
7782-49-2	Selenium	3.0	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	2080	B	E	P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	7.7	B		P
7440-66-6	Zinc	5.8	B	J	P
56-12-5	Cyanide	2.0	U		C

6/1/00

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW6DISS

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70442

Matrix (soil/water): WATER Lab Sample ID: D70442003

Level (low/med): MED Date Received: 03/23/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18.9	B		P
7440-36-0	Antimony	4.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	31.0	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	47800			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	0.71	B		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	38.8	B		P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	7850			P
7439-96-5	Manganese	300			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	1.2	B		P
7440-09-7	Potassium	1600	B		P
7782-49-2	Selenium	4.7	B		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	2920	B	E	P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	10.2	B		P
7440-66-6	Zinc	4.5	B	J	P
56-12-5	Cyanide	2.0	U		C

6/11/00

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: DISSOLVED_METALS_FOR_MW-6

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW9S

Lab Name: MITKEM_CORPORATION _____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70442__

Matrix (soil/water): WATER__ Lab Sample ID: T70442004__

Level (low/med): MED__ Date Received: 03/23/00__

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	493			P
7440-36-0	Antimony	4.0	U		P
7440-38-2	Arsenic	10.9			P
7440-39-3	Barium	104	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	82900			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	2.5	B		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	675			P
7439-92-1	Lead	4.5			P
7439-95-4	Magnesium	17400			P
7439-96-5	Manganese	676			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	28.6	B		P
7440-09-7	Potassium	55300			P
7782-49-2	Selenium	4.2	B		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	355000		E	P
7440-28-0	Thallium	2.5	B		P
7440-62-2	Vanadium	29.0	B		P
7440-66-6	Zinc	6.0	B		P
56-12-5	Cyanide	2.0	U		C

446
6/4/00

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW9SDISS

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70442

Matrix (soil/water): WATER Lab Sample ID: D70442004

Level (low/med): MED Date Received: 03/23/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	101	B		P
7440-36-0	Antimony	4.0	U		P
7440-38-2	Arsenic	9.6	B		P
7440-39-3	Barium	90.2	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	74700			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	2.1	B		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	83.0	B		P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	15200			P
7439-96-5	Manganese	566			P
7439-97-6	Mercury	0.15	U		CV
7440-02-0	Nickel	29.8	B		P
7440-09-7	Potassium	70900			P
7782-49-2	Selenium	6.8			P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	381000		E J	P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	26.3	B		P
7440-66-6	Zinc	4.2	B	J	P
56-12-5	Cyanide	2.0	U		C

6/11/00

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

DISSOLVED METALS FOR MW-9S

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW9D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70442

Matrix (soil/water): WATER Lab Sample ID: T70442005

Level (low/med): MED Date Received: 03/23/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	206			P
7440-36-0	Antimony	4.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	82.7	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	113000			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	4.5	B		P
7440-50-8	Copper	12.0	B		P
7439-89-6	Iron	312			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	28900			P
7439-96-5	Manganese	3200			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	28.8	B		P
7440-09-7	Potassium	17900			P
7782-49-2	Selenium	3.0	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	347000		E	P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	35.3	B		P
7440-66-6	Zinc	4.2	B	J	P
56-12-5	Cyanide	2.0	U		C

let
6/11/00

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW2

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70427

Matrix: (soil/water) WATER

Lab Sample ID: 70427003

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C0098

Level: (low/med) LOW

Date Received: 03/21/00

% Moisture: not dec. _____

Date Analyzed: 03/25/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

Q2E
6/14/00

000019

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70427

Matrix: (soil/water) WATER

Lab Sample ID: 70427001

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C0097

Level: (low/med) LOW

Date Received: 03/21/00

% Moisture: not dec. _____

Date Analyzed: 03/25/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	6	J
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	1	J
108-90-7	Chlorobenzene	57	J
100-41-4	Ethylbenzene	1	J
100-42-5	Styrene	10	U
1330-20-7	Xylene (Total)	43	

FORM I VOA

EGG
6/14/00

000021

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW11

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70427

Matrix: (soil/water) WATER

Lab Sample ID: 70427004

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C0099

Level: (low/med) LOW

Date Received: 03/21/00

% Moisture: not dec. _____

Date Analyzed: 03/25/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	10	U
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (Total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (Total)	10	U

FORM I VOA

6/14/00

000023

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB032000

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70427

Matrix: (soil/water) WATER

Lab Sample ID: 70427005

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C0092

Level: (low/med) LOW

Date Received: 03/21/00

% Moisture: not dec. _____

Date Analyzed: 03/25/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	10	U
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (Total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (Total)	10	U

FORM I VOA

000025

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5TLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70427

Matrix: (soil/water) WATER

Lab Sample ID: V5L0325A

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C0084

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 03/25/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	-----Chloromethane	10	U	
74-83-9	-----Bromomethane	10	U	
75-01-4	-----Vinyl Chloride	10	U	
75-00-3	-----Chloroethane	10	U	
75-09-2	-----Methylene Chloride	10	U	
67-64-1	-----Acetone	10	U	
75-15-0	-----Carbon Disulfide	10	U	
75-35-4	-----1,1-Dichloroethene	50		
75-34-3	-----1,1-Dichloroethane	10	U	
540-59-0	-----1,2-Dichloroethene (Total)	10	U	
67-66-3	-----Chloroform	10	U	
107-06-2	-----1,2-Dichloroethane	10	U	
78-93-3	-----2-Butanone	10	U	
71-55-6	-----1,1,1-Trichloroethane	10	U	
56-23-5	-----Carbon Tetrachloride	10	U	
75-27-4	-----Bromodichloromethane	10	U	
78-87-5	-----1,2-Dichloropropane	10	U	
10061-01-5	-----cis-1,3-Dichloropropene	10	U	
79-01-6	-----Trichloroethene	51		
124-48-1	-----Dibromochloromethane	10	U	
79-00-5	-----1,1,2-Trichloroethane	10	U	
71-43-2	-----Benzene	51		
10061-02-6	-----trans-1,3-Dichloropropene	10	U	
75-25-2	-----Bromoform	10	U	
108-10-1	-----4-Methyl-2-Pentanone	10	U	
591-78-6	-----2-Hexanone	10	U	
127-18-4	-----Tetrachloroethene	10	U	
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U	
108-88-3	-----Toluene	52		
108-90-7	-----Chlorobenzene	52		
100-41-4	-----Ethylbenzene	10	U	
100-42-5	-----Styrene	10	U	
1330-20-7	-----Xylene (Total)	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70427

Matrix: (soil/water) WATER

Lab Sample ID: 70427001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4096

Level: (low/med) LOW

Date Received: 03/21/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	11	
95-50-1-----	1,2-Dichlorobenzene	2	J
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	11	
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	9	J
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	1	J
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70427

Matrix: (soil/water) WATER

Lab Sample ID: 70427001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4096

Level: (low/med) LOW

Date Received: 03/21/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	3	J
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	2	J
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	1	J
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW11

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70427

Matrix: (soil/water) WATER

Lab Sample ID: 70427004

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4087

Level: (low/med) LOW

Date Received: 03/21/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW11

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70427

Matrix: (soil/water) WATER

Lab Sample ID: 70427004

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4087

Level: (low/med) LOW

Date Received: 03/21/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW2

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70427

Matrix: (soil/water) WATER

Lab Sample ID: 70427003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4086

Level: (low/med) LOW

Date Received: 03/21/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70427

Matrix: (soil/water) WATER Lab Sample ID: 70427003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S2B4086

Level: (low/med) LOW Date Received: 03/21/00

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

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

CAS NO. COMPOUND Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b) fluoranthene	10	U
207-08-9-----	Benzo(k) fluoranthene	10	U
50-32-8-----	Benzo(a) pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo(a,h) anthracene	10	U
191-24-2-----	Benzo(g,h,i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK2ALCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70427

Matrix: (soil/water) WATER

Lab Sample ID: S0323-LW1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4085

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	45	
111-44-4-----	bis (-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	48	
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	32	
95-50-1-----	1,2-Dichlorobenzene	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis (1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	36	
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	32	
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis (2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	47	
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	32	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK2ALCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70427

Matrix: (soil/water) WATER

Lab Sample ID: S0323-LW1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4085

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	49	
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	33	
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	41	
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	31	
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b) fluoranthene	10	U
207-08-9-----	Benzo(k) fluoranthene	10	U
50-32-8-----	Benzo(a) pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo(a,h) anthracene	10	U
191-24-2-----	Benzo(g,h,i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70427

Matrix: (soil/water) WATER

Lab Sample ID: 70427001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8955F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 03/21/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 03/24/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/03/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/L

Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.15	P
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW11

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70427

Matrix: (soil/water) WATER

Lab Sample ID: 70427004

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8957F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 03/21/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 03/24/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/03/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW2

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70427

Matrix: (soil/water) WATER

Lab Sample ID: 70427003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8956F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 03/21/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 03/24/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/03/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01LCS

Lab Name: MITKEM CORPORATION Contract:
Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70427
Matrix: (soil/water) WATER Lab Sample ID: P0324-LW1
Sample wt/vol: 1000 (g/mL) ML Lab File ID: E2B8954F
% Moisture: _____ decanted: (Y/N) _____ Date Received: 03/21/00
Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 03/24/00
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 04/03/00
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.45	
76-44-8-----	Heptachlor	0.46	
309-00-2-----	Aldrin	0.48	
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	1.0	
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	1.1	
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	1.2	
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW10

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70427__

Matrix (soil/water): WATER__ Lab Sample ID: 70427001__

Level (low/med): MED__ Date Received: 03/21/00__

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	116	B		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	3.0	U		P
7440-39-3	Barium	205			P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	1.4	B		P
7440-70-2	Calcium	83800			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	3.6	B	J	P
7440-50-8	Copper	2.0	U		P
7439-89-6	Iron	67800			NR
7439-92-1	Lead	11.0			P
7439-95-4	Magnesium	28700		JEF	NR
7439-96-5	Manganese	738		JEF	NR
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	22.3	B	J	P
7440-09-7	Potassium	45800			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	8.0	U	J	P
7440-23-5	Sodium	93100			P
7440-28-0	Thallium	5.0	U		P
7440-62-2	Vanadium	7.0	B		P
7440-66-6	Zinc	46.8		JEF	P
56-12-5	Cyanide	2.5	B		C

Color Before: LT._YELLOW Clarity Before: CLEAR__ Texture: _____

Color After: LT._YELLOW Clarity After: CLEAR__ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW11

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70427

Matrix (soil/water): WATER Lab Sample ID: 70427004

Level (low/med): MED Date Received: 03/21/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9.0	U		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	3.0	U		P
7440-39-3	Barium	16.4	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	4540	B		P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	3.0	U		P
7440-50-8	Copper	2.0	U		P
7439-89-6	Iron	9.8	B		P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	1600	B	J	P
7439-96-5	Manganese	15.6		J	P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	3.0	U		P
7440-09-7	Potassium	509	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	8.0	U	J	P
7440-23-5	Sodium	1760	B		P
7440-28-0	Thallium	5.0	U		P
7440-62-2	Vanadium	3.0	U		P
7440-66-6	Zinc	7.0	B	J	P
56-12-5	~~Cyanide~~	2.0	U		C

R

EEF 6/14/00

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW2

Lab Name: MITKEM_CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70427

Matrix (soil/water): WATER Lab Sample ID: 70427003

Level (low/med): MED Date Received: 03/21/00

% Solids:

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11.7	B		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	3.0	U		P
7440-39-3	Barium	13.7	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	39500			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	3.0	U		P
7440-50-8	Copper	2.0	U		P
7439-89-6	Iron	106			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	10800			P
7439-96-5	Manganese	185			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	3.0	U		P
7440-09-7	Potassium	874	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	8.0	U	J	P
7440-23-5	Sodium	12600			P
7440-28-0	Thallium	5.0	U		P
7440-62-2	Vanadium	3.0	U		P
7440-66-6	Zinc	6.5	B	J	P
56-12-5	Cyanide	2.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR *6/14/00* Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5T

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70427

Matrix: (soil/water) WATER

Lab Sample ID: V5B0325B

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C0083

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 03/25/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
74-87-3	-----Chloromethane	10	U	
74-83-9	-----Bromomethane	10	U	
75-01-4	-----Vinyl Chloride	10	U	
75-00-3	-----Chloroethane	10	U	
75-09-2	-----Methylene Chloride	10	U	
67-64-1	-----Acetone	10	U	
75-15-0	-----Carbon Disulfide	10	U	
75-35-4	-----1,1-Dichloroethene	10	U	
75-34-3	-----1,1-Dichloroethane	10	U	
540-59-0	-----1,2-Dichloroethene (Total)	10	U	
67-66-3	-----Chloroform	10	U	
107-06-2	-----1,2-Dichloroethane	10	U	
78-93-3	-----2-Butanone	10	U	
71-55-6	-----1,1,1-Trichloroethane	10	U	
56-23-5	-----Carbon Tetrachloride	10	U	
75-27-4	-----Bromodichloromethane	10	U	
78-87-5	-----1,2-Dichloropropane	10	U	
10061-01-5	-----cis-1,3-Dichloropropene	10	U	
79-01-6	-----Trichloroethene	10	U	
124-48-1	-----Dibromochloromethane	10	U	
79-00-5	-----1,1,2-Trichloroethane	10	U	
71-43-2	-----Benzene	10	U	
10061-02-6	-----trans-1,3-Dichloropropene	10	U	
75-25-2	-----Bromoform	10	U	
108-10-1	-----4-Methyl-2-Pentanone	10	U	
591-78-6	-----2-Hexanone	10	U	
127-18-4	-----Tetrachloroethene	10	U	
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U	
108-88-3	-----Toluene	10	U	
108-90-7	-----Chlorobenzene	10	U	
100-41-4	-----Ethylbenzene	10	U	
100-42-5	-----Styrene	10	U	
1330-20-7	-----Xylene (Total)	10	U	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK2A

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70427

Matrix: (soil/water) WATER

Lab Sample ID: S0323-BW1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4084

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis (-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis (1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis (2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK2A

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70427

Matrix: (soil/water) WATER Lab Sample ID: S0323-BW1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S2B4084

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

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

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

CAS NO. COMPOUND Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U
191-24-2-----	Benzo (g,h,i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP032100

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437001

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D0169

Level: (low/med) LOW

Date Received: 03/22/00

% Moisture: not dec. _____

Date Analyzed: 03/27/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	2	JB 10U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	8	J
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	28	
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	35	

FORM I VOA

022

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB032100

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437005

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: VLD0165

Level: (low/med) LOW

Date Received: 03/22/00

% Moisture: not dec. _____

Date Analyzed: 03/27/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3	-----Chloromethane	10 U	
74-83-9	-----Bromomethane	10 U	
75-01-4	-----Vinyl Chloride	10 U	
75-00-3	-----Chloroethane	10 U	
75-09-2	-----Methylene Chloride	10 U	
67-64-1	-----Acetone	10 U	
75-15-0	-----Carbon Disulfide	10 U	
75-35-4	-----1,1-Dichloroethene	10 U	
75-34-3	-----1,1-Dichloroethane	10 U	
540-59-0	-----1,2-Dichloroethene (Total)	10 U	
67-66-3	-----Chloroform	10 U	
107-06-2	-----1,2-Dichloroethane	10 U	
78-93-3	-----2-Butanone	10 U	
71-55-6	-----1,1,1-Trichloroethane	10 U	
56-23-5	-----Carbon Tetrachloride	10 U	
75-27-4	-----Bromodichloromethane	10 U	
78-87-5	-----1,2-Dichloropropane	10 U	
10061-01-5	-----cis-1,3-Dichloropropene	10 U	
79-01-6	-----Trichloroethene	10 U	
124-48-1	-----Dibromochloromethane	10 U	
79-00-5	-----1,1,2-Trichloroethane	10 U	
71-43-2	-----Benzene	10 U	
10061-02-6	-----trans-1,3-Dichloropropene	10 U	
75-25-2	-----Bromoform	10 U	
108-10-1	-----4-Methyl-2-Pentanone	10 U	
591-78-6	-----2-Hexanone	10 U	
127-18-4	-----Tetrachloroethene	10 U	
79-34-5	-----1,1,2,2-Tetrachloroethane	10 U	
108-88-3	-----Toluene	10 U	
108-90-7	-----Chlorobenzene	10 U	
100-41-4	-----Ethylbenzene	10 U	
100-42-5	-----Styrene	10 U	
1330-20-7	-----Xylene (Total)	10 U	

FORM I VOA

608
6/18/00

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW12

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437007

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D0167

Level: (low/med) LOW

Date Received: 03/22/00

% Moisture: not dec. _____

Date Analyzed: 03/27/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	9	JB 10.11
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW1A

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437002

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D0170

Level: (low/med) LOW

Date Received: 03/22/00

% Moisture: not dec. _____

Date Analyzed: 03/27/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW3A

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437004

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D0172

Level: (low/med) LOW

Date Received: 03/22/00

% Moisture: not dec. _____

Date Analyzed: 03/27/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	8	J
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	29	
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	36	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW5

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437008

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D0168

Level: (low/med) LOW

Date Received: 03/22/00

% Moisture: not dec. _____

Date Analyzed: 03/27/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW8

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437003

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: VID0171

Level: (low/med) LOW

Date Received: 03/22/00

% Moisture: not dec. _____

Date Analyzed: 03/27/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10 U	
74-83-9-----	Bromomethane	10 U	
75-01-4-----	Vinyl Chloride	10 U	
75-00-3-----	Chloroethane	10 U	
75-09-2-----	Methylene Chloride	10 U	
67-64-1-----	Acetone	10 U	
75-15-0-----	Carbon Disulfide	10 U	
75-35-4-----	1,1-Dichloroethene	10 U	
75-34-3-----	1,1-Dichloroethane	10 U	
540-59-0-----	1,2-Dichloroethene (Total)	10 U	
67-66-3-----	Chloroform	10 U	
107-06-2-----	1,2-Dichloroethane	10 U	
78-93-3-----	2-Butanone	10 U	
71-55-6-----	1,1,1-Trichloroethane	10 U	
56-23-5-----	Carbon Tetrachloride	10 U	
75-27-4-----	Bromodichloromethane	10 U	
78-87-5-----	1,2-Dichloropropane	10 U	
10061-01-5-----	cis-1,3-Dichloropropene	10 U	
79-01-6-----	Trichloroethene	10 U	
124-48-1-----	Dibromochloromethane	10 U	
79-00-5-----	1,1,2-Trichloroethane	10 U	
71-43-2-----	Benzene	10 U	
10061-02-6-----	trans-1,3-Dichloropropene	10 U	
75-25-2-----	Bromoform	10 U	
108-10-1-----	4-Methyl-2-Pentanone	10 U	
591-78-6-----	2-Hexanone	10 U	
127-18-4-----	Tetrachloroethene	10 U	
79-34-5-----	1,1,2,2-Tetrachloroethane	10 U	
108-88-3-----	Toluene	10 U	
108-90-7-----	Chlorobenzene	10 U	
100-41-4-----	Ethylbenzene	10 U	
100-42-5-----	Styrene	10 U	
1330-20-7-----	Xylene (Total)	10 U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB032100

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437006

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D0166

Level: (low/med) LOW

Date Received: 03/22/00

% Moisture: not dec. _____

Date Analyzed: 03/27/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	2	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1B

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: V1B0327A

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D0162

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 03/27/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	2	J
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1C

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: V1B0328A

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D0193

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 03/28/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK1C

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: V1B0328C

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D0204

Level: (low/med) LOW

Date Received: 03/22/00

% Moisture: not dec. _____

Date Analyzed: 03/28/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1BLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: V1L0327A

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D0163

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 03/27/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	2	J
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	47	
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	47	
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	47	
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	48	
108-90-7-----	Chlorobenzene	47	
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW1AMS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437011

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D0173

Level: (low/med) LOW

Date Received: 03/22/00

% Moisture: not dec. _____

Date Analyzed: 03/27/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	44	
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	48	
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	48	
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	47	
108-90-7-----	Chlorobenzene	47	
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MWLAMS D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437012

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D0174

Level: (low/med) LOW

Date Received: 03/22/00

% Moisture: not dec. _____

Date Analyzed: 03/27/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
			Q
74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	10	U
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	49	
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (Total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	48	
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	48	
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	47	
108-90-7	-----Chlorobenzene	47	
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (Total)	10	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP032100

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4108

Level: (low/med) LOW

Date Received: 03/22/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	6	J
95-50-1-----	1,2-Dichlorobenzene	2	J
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	2	J
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	21	
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	2	J
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP032100

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4108

Level: (low/med) LOW

Date Received: 03/22/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: _____

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	1	J
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	2	J
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	1	J
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW12

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70437

Matrix: (soil/water) WATER Lab Sample ID: 70437007

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S2B4100

Level: (low/med) LOW Date Received: 03/22/00

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10 U	
111-44-4	bis(-2-Chloroethyl) Ether	10 U	
95-57-8	2-Chlorophenol	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	
95-48-7	2-Methylphenol	10 U	
108-60-1	2,2'-oxybis(1-Chloropropane)	10 U	
106-44-5	4-Methylphenol	2 J	
621-64-7	N-Nitroso-di-n-propylamine	10 U	
67-72-1	Hexachloroethane	10 U	
98-95-3	Nitrobenzene	10 U	
78-59-1	Isophorone	10 U	
88-75-5	2-Nitrophenol	10 U	
105-67-9	2,4-Dimethylphenol	10 U	
120-83-2	2,4-Dichlorophenol	10 U	
120-82-1	1,2,4-Trichlorobenzene	10 U	
91-20-3	Naphthalene	10 U	
106-47-8	4-Chloroaniline	10 U	
111-91-1	bis(2-Chloroethoxy)methane	10 U	
87-68-3	Hexachlorobutadiene	10 U	
59-50-7	4-Chloro-3-methylphenol	10 U	
91-57-6	2-Methylnaphthalene	2 J	
77-47-4	Hexachlorocyclopentadiene	10 U	
88-06-2	2,4,6-Trichlorophenol	10 U	
95-95-4	2,4,5-Trichlorophenol	25 U	
91-58-7	2-Chloronaphthalene	10 U	
88-74-4	2-Nitroaniline	25 U	
131-11-3	Dimethylphthalate	10 U	
208-96-8	Acenaphthylene	10 U	
606-20-2	2,6-Dinitrotoluene	10 U	
99-09-2	3-Nitroaniline	25 U	
83-32-9	Acenaphthene	10 U	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW12

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437007

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4100

Level: (low/med) LOW

Date Received: 03/22/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	1	J
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	2	J
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	11	
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis (2-Ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U
191-24-2-----	Benzo (g,h,i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW1A

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437002

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4088

Level: (low/med) LOW

Date Received: 03/22/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW1A

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437002

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4088

Level: (low/med) LOW

Date Received: 03/22/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW3A

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70437

Matrix: (soil/water) WATER Lab Sample ID: 70437004

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S2B4109

Level: (low/med) LOW Date Received: 03/22/00

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/29/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	6	J
95-50-1-----	1,2-Dichlorobenzene	2	J
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	2	J
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	21	
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	2	J
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW3A

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437004

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4109

Level: (low/med) LOW

Date Received: 03/22/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	2	J
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b) fluoranthene	10	U
207-08-9-----	Benzo(k) fluoranthene	10	U
50-32-8-----	Benzo(a) pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo(a,h) anthracene	10	U
191-24-2-----	Benzo(g,h,i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW5

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437008

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4092

Level: (low/med) LOW

Date Received: 03/22/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW5

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437008

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4092

Level: (low/med) LOW

Date Received: 03/22/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW8

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4091

Level: (low/med) LOW

Date Received: 03/22/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW8

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4091

Level: (low/med) LOW

Date Received: 03/22/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK2A

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: S0323-BW1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4084

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK2A

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: S0323-BW1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4084

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CONCENTRATION UNITS:
CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis (2-Ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U
191-24-2-----	Benzo (g,h,i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MWLAMS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70437

Matrix: (soil/water) WATER Lab Sample ID: 70437011

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S2B4089

Level: (low/med) LOW Date Received: 03/22/00

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

108-95-2-----Phenol	44	
111-44-4-----bis(-2-Chloroethyl) Ether	10	U
95-57-8-----2-Chlorophenol	47	
541-73-1-----1,3-Dichlorobenzene	10	U
106-46-7-----1,4-Dichlorobenzene	32	
95-50-1-----1,2-Dichlorobenzene	10	U
95-48-7-----2-Methylphenol	10	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----4-Methylphenol	10	U
621-64-7-----N-Nitroso-di-n-propylamine	36	
67-72-1-----Hexachloroethane	10	U
98-95-3-----Nitrobenzene	10	U
78-59-1-----Isophorone	10	U
88-75-5-----2-Nitrophenol	10	U
105-67-9-----2,4-Dimethylphenol	10	U
120-83-2-----2,4-Dichlorophenol	10	U
120-82-1-----1,2,4-Trichlorobenzene	32	
91-20-3-----Naphthalene	10	U
106-47-8-----4-Chloroaniline	10	U
111-91-1-----bis(2-Chloroethoxy) methane	10	U
87-68-3-----Hexachlorobutadiene	10	U
59-50-7-----4-Chloro-3-methylphenol	45	
91-57-6-----2-Methylnaphthalene	10	U
77-47-4-----Hexachlorocyclopentadiene	10	U
88-06-2-----2,4,6-Trichlorophenol	10	U
95-95-4-----2,4,5-Trichlorophenol	25	U
91-58-7-----2-Chloronaphthalene	10	U
88-74-4-----2-Nitroaniline	25	U
131-11-3-----Dimethylphthalate	10	U
208-96-8-----Acenaphthylene	10	U
606-20-2-----2,6-Dinitrotoluene	10	U
99-09-2-----3-Nitroaniline	25	U
83-32-9-----Acenaphthene	31	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MWIAMS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437011

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4089

Level: (low/med) LOW

Date Received: 03/22/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	50	
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	33	
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	43	
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	31	
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U
191-24-2-----	Benzo (g,h,i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW1AMSD

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437012

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4090

Level: (low/med) LOW

Date Received: 03/22/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	46	
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	49	
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	33	
95-50-1-----	1,2-Dichlorobenzene	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	36	
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	33	
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	46	
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	32	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW1AMSD

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70437

Matrix: (soil/water) WATER Lab Sample ID: 70437012

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S2B4090

Level: (low/med) LOW Date Received: 03/22/00

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	49	
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	33	
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	43	
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	31	
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U
191-24-2-----	Benzo (g,h,i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK2ALCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: S0323-LW1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4085

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	45	
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	48	
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	32	
95-50-1-----	1,2-Dichlorobenzene	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	36	
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	32	
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	47	
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	32	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK2ALCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: S0323-LW1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B4085

Level: (low/med) LOW

Date Received: _____

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 03/23/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 03/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	49	
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	33	
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	41	
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	31	
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP032100

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8984F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 03/22/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 03/24/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/04/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW12

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437007

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8988F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 03/22/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 03/24/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/04/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.14	J
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.34	PJ
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.11	PJ
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

E6F
6/15/00

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW1A

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437002

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8985F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 03/22/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 03/24/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/04/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

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

CAS NO.

COMPOUND

Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW3A

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437004

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8987F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 03/22/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 03/24/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/04/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW5

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437008

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8989F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 03/22/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 03/24/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/04/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW8

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8986F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 03/22/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 03/24/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/04/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: P0324-BW1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8953F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 03/21/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 03/24/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/03/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKS1

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: PIBLK1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8914F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 03/31/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKS1

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70437
 Matrix: (soil/water) WATER Lab Sample ID: PIBLKS1
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: E2B8914R
 % Moisture: _____ decanted: (Y/N) _____ Date Received: _____
 Extraction: (SepF/Cont/Sonc) _____ Date Extracted: _____
 Concentrated Extract Volume: 10000(uL) Date Analyzed: 03/31/00
 Injection Volume: 1.0(uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

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

CAS NO. COMPOUND Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKSC

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70437

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

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E2B8951F

% Moisture: _____ decanted: (Y/N) _____ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 04/03/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKSC

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKSC

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8951R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/03/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKSD

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKSD

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8963F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/03/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKSD

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKSD

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8963R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 04/03/00

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKSE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70437

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

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E2B8979F

% Moisture: _____ decanted: (Y/N) _____ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted: _____

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 04/04/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKSE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKSE

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8979R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/04/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND	Q
319-84-6	alpha-BHC	0.050 U
319-85-7	beta-BHC	0.050 U
319-86-8	delta-BHC	0.050 U
58-89-9	gamma-BHC (Lindane)	0.050 U
76-44-8	Heptachlor	0.050 U
309-00-2	Aldrin	0.050 U
1024-57-3	Heptachlor epoxide	0.050 U
959-98-8	Endosulfan I	0.050 U
60-57-1	Dieldrin	0.10 U
72-55-9	4,4'-DDE	0.10 U
72-20-8	Endrin	0.10 U
33213-65-9	Endosulfan II	0.10 U
72-54-8	4,4'-DDD	0.10 U
1031-07-8	Endosulfan sulfate	0.10 U
50-29-3	4,4'-DDT	0.10 U
72-43-5	Methoxychlor	0.50 U
53494-70-5	Endrin ketone	0.10 U
7421-93-4	Endrin aldehyde	0.10 U
5103-71-9	alpha-Chlordane	0.050 U
5103-74-2	gamma-Chlordane	0.050 U
8001-35-2	Toxaphene	5.0 U
12674-11-2	Aroclor-1016	1.0 U
11104-28-2	Aroclor-1221	2.0 U
11141-16-5	Aroclor-1232	1.0 U
53469-21-9	Aroclor-1242	1.0 U
12672-29-6	Aroclor-1248	1.0 U
11097-69-1	Aroclor-1254	1.0 U
11096-82-5	Aroclor-1260	1.0 U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKSF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKSF

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8994F

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/04/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

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

CAS NO.

COMPOUND

Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKSF

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: PIBLKSF

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8994R

% Moisture: _____ decanted: (Y/N) _____

Date Received: _____

Extraction: (SepF/Cont/Sonc) _____

Date Extracted: _____

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 04/04/00

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

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

CAS NO.

COMPOUND

Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW1AMS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437011

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8990F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 03/22/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 03/24/00

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 04/04/00

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.53	
76-44-8-----	Heptachlor	0.52	
309-00-2-----	Aldrin	0.55	
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	1.2	
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	1.3	
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	1.3	
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW1AMSD

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70437

Matrix: (soil/water) WATER

Lab Sample ID: 70437012

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B8991F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 03/22/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 03/24/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 04/04/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.47	
76-44-8-----	Heptachlor	0.47	
309-00-2-----	Aldrin	0.48	
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	1.1	
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	1.2	
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	1.2	
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW1A

Lab Name: MITKEM CORPORATION Contract: _____

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

SDG No.: 70437

Matrix (soil/water): WATER Lab Sample ID: T70437002

Level (low/med): MED Date Received: 03/22/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	302			P
7440-36-0	Antimony	4.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	21.9	B		P
7440-41-7	Beryllium	0.44	B		P
7440-43-9	Cadmium	0.26	B		P
7440-70-2	Calcium	16600			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	4.8	B		P
7440-50-8	Copper	7.8	B		P
7439-89-6	Iron	226		E	P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	3450	B		P
7439-96-5	Manganese	36.9			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	5.9	B		P
7440-09-7	Potassium	591	B		P
7782-49-2	Selenium	3.0	U		P
7440-22-4	Silver	2.0	B		P
7440-23-5	Sodium	1820	B		P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	8.6	B		P
7440-66-6	Zinc	13.3	B	J	P
56-12-5	Cyanide	2.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR *6056/15/02* Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW12

Lab Name: MITKEM_CORPORATION _____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70437__

Matrix (soil/water): WATER_ Lab Sample ID: T70437007__

Level (low/med): MED__ Date Received: 03/22/00__

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4100			P
7440-36-0	Antimony	4.0	U		P
7440-38-2	Arsenic	4.0	B		P
7440-39-3	Barium	91.3	B		P
7440-41-7	Beryllium	0.24	B		P
7440-43-9	Cadmium	1.1	B		P
7440-70-2	Calcium	154000			P
7440-47-3	Chromium	6.8	B		P
7440-48-4	Cobalt	5.3	B		P
7440-50-8	Copper	10.8	B		P
7439-89-6	Iron	10800		E	P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	48100			P
7439-96-5	Manganese	4370			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	12.4	B		P
7440-09-7	Potassium	10300			P
7782-49-2	Selenium	3.7	B		P
7440-22-4	Silver	2.5	B		P
7440-23-5	Sodium	14900			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	50.3			P
7440-66-6	Zinc	19.1	B	J	P
56-12-5	Cyanide	2.0	U		C

Color Before: COLORLESS Clarity Before: CLOUDY *90F 6/15/00* Texture: _____

Color After: COLORLESS Clarity After: CLOUDY Artifacts: _____

Comments: _____

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW12DISS

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70437

Matrix (soil/water): WATER Lab Sample ID: D70437009

Level (low/med): MED Date Received: 03/22/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20.8	B		P
7440-36-0	Antimony	4.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	59.6	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.29	B		P
7440-70-2	Calcium	153000			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	2.7	B		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	3470		E	P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	46600			P
7439-96-5	Manganese	4560			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	4.7	B		P
7440-09-7	Potassium	6690			P
7782-49-2	Selenium	3.2	B		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	12000			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	44.9	B		P
7440-66-6	Zinc	3.2	B	J	P
56-12-5	Cyanide	2.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR *get 6/13/00* Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

DISSOLVED_METALS_FOR_MW-12

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW3A

Lab Name: MITKEM CORPORATION Contract: _____

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

SDG No.: 70437

Matrix (soil/water): WATER Lab Sample ID: T70437004

Level (low/med): MED Date Received: 03/22/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	134	B		P
7440-36-0	Antimony	4.0	U		P
7440-38-2	Arsenic	7.2	B		P
7440-39-3	Barium	177	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	4.5	B		P
7440-70-2	Calcium	93000			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	5.9	B		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	46100		E	P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	33800			P
7439-96-5	Manganese	305			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	41.9			P
7440-09-7	Potassium	59300			P
7782-49-2	Selenium	11.4			P
7440-22-4	Silver	8.8	B		P
7440-23-5	Sodium	96400			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	20.4	B		P
7440-66-6	Zinc	12.2	B	J	P
56-12-5	Cyanide	2.0	U		C

Color Before: LT. YELLOW Clarity Before: CLEAR *6/14/00* Texture: _____

Color After: LT. YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW5DISS

Lab Name: MITKEM_CORPORATION

Contract: _____

Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: 70437

Matrix (soil/water): WATER

Lab Sample ID: D70437010

Level (low/med): MED

Date Received: 03/22/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18.5	B		P
7440-36-0	Antimony	4.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	9.0	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	37600			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	0.88	B		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	36.4	B	E	P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	7180			P
7439-96-5	Manganese	5.4	B	J	P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	1.4	B		P
7440-09-7	Potassium	424	B		P
7782-49-2	Selenium	4.4	B		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	7110			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	9.5	B		P
7440-66-6	Zinc	10.2	B	J	P
56-12-5	Cyanide	2.0	U		C

Color Before: COLORLESS

Clarity Before:

CLEAR

Texture: _____

Color After: COLORLESS

Clarity After:

CLEAR

Artifacts: _____

Comments:

DISSOLVED_METALS_FOR_MW-5

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW5

Lab Name: MITKEM_CORPORATION Contract: _____

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

SDG No.: 70437

Matrix (soil/water): WATER Lab Sample ID: T70437008

Level (low/med): MED Date Received: 03/22/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4130			P
7440-36-0	Antimony	4.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	30.1	B		P
7440-41-7	Beryllium	0.25	B		P
7440-43-9	Cadmium	0.27	B		P
7440-70-2	Calcium	32200			P
7440-47-3	Chromium	4.7	B		P
7440-48-4	Cobalt	1.7	B		P
7440-50-8	Copper	6.4	B		P
7439-89-6	Iron	3670		E	P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	6810			P
7439-96-5	Manganese	537			P
7439-97-6	Mercury	0.15	U		CV
7440-02-0	Nickel	4.8	B		P
7440-09-7	Potassium	1760	B		P
7782-49-2	Selenium	5.9			P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	6670			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	11.8	B		P
7440-66-6	Zinc	14.3	B	5	P
56-12-5	Cyanide	2.0	U		C

Color Before: COLORLESS Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLOUDY Artifacts: _____

Comments: _____

NYSDEC - ASP
I
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW8

Lab Name: MITKEM_CORPORATION Contract: _____

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

SDG No.: 70437

Matrix (soil/water): WATER Lab Sample ID: T70437003

Level (low/med): MED Date Received: 03/22/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	56.9	B		P
7440-36-0	Antimony	4.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	36.6	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	51400			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	0.70	U		P
7440-50-8	Copper	5.0	U		P
7439-89-6	Iron	243		E	P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	15500			P
7439-96-5	Manganese	711			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	1.5	B		P
7440-09-7	Potassium	1470	B		P
7782-49-2	Selenium	3.0	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	14900			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	17.7	B		P
7440-66-6	Zinc	4.6	B	J	P
56-12-5	Cyanide	2.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR *6/15/00* Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

DELAWARE ENGINEERING, P.C.

28 Madison Avenue Extension

Albany, New York 12203

Phone: (518) 452-1290 • Fax: (518) 452-1335

LETTER OF TRANSMITTAL

TO

Andrew Coenen

DATE <i>7/6/00</i>	JOB NO.
ATTENTION	
RE: <i>Data Validation</i>	

WE ARE SENDING YOU :

☐ Attached	☐ Prints	☐ Under separate cover via _____ the following items:		
☐ Shop drawings	☐ Change Order	☐ Plans	☐ Samples	☐ Specifications
☐ Copy of Letter	☐ Report	☐ Other _____		

COPIES	DATE	NO.	DESCRIPTION
1			<i>Data Validation Groundwater Major LF</i>

THESE ARE TRANSMITTED as checked below:

☐ For approval	☐ Approved as submitted	☐ Resubmit _____ copies for approval
☒ For your use	☐ Approved as noted	☐ Submit _____ copies for distribution
☐ As requested	☐ Returned for corrections	☐ Return _____ corrected prints
☐ For review and comment	_____	
☐ For Bids Due _____ 19 _____	☐ Prints Returned After Loan to Us	

REMARKS:

Andrew - realized I never sent the hard copy

COPY TO: _____

SIGNED: *EL*



**Data Validation Report
Mayer Landfill
Blooming Grove, New York
Analytical Laboratory: Mitkem Corporation
Sample Delivery Groups 70769, 70786 and 70779**

Analytical results for the SDG's referenced below, from the Mayer Landfill were reviewed to evaluate the data quality. Data were assessed in accordance with the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (10/95) and professional judgement. Where applicable data were validated following the United States Environmental Protection Agency (USEPA) National Functional Guidelines for Organic Data Review (October 1999), the United States Environmental Protection Agency (USEPA) Laboratory Program National Functional Guidelines for Inorganic Data Review (February 1994) and the USEPA Region II Evaluation of Metals Data (January 1992 HW-2 Revision 11).

This validation pertains to the following samples collected by Environmental Resources Management:

SDG 70769 Samples: MW07D, MW07, FB052400, TB052400, MW07DMS, MW07DMSD, and MS07DDUP.

SDG 70786 Samples: MW12, FB052600, TB052600, MW03A (no Pest/PCBs), MW06 (pesticides, inorganics only) and MW04D (no Pest/PCBs).

SDG 70779 Samples: MW10, Dup052500, FB052500, TB052500, MW09S (no Pest/PCBs), MW09D (inorganics only), MW13 (Voas and inorganics)

The following items/criteria applicable to the samples listed above were reviewed:

Volatile and Semi-Volatile Data:

- Deliverable Requirements
- Case Narrative
- Holding Times and Sample Preparation
- System Monitoring Compound Recoveries
- Laboratory Control Sample (LCS) Data
- Blank Summary and Data
- GC/MS Tuning and Mass Calibration
- Target Compound Identification/Quantitation
- Quantitation Reports and Mass Spectral Data
- EPA/NIH Mass Spectral Library Search for TICs
- Initial and Continuing Calibration Data
- Internal Standard Areas and Retention Times

Pesticides/PCBs:

- Holding Times
- GC/ECD Instrument Performance Check
- Initial Calibration
- Calibration Verification
- Blanks
- Surrogate Spikes
- Matrix Spikes/Matrix Spike Duplicates
- Laboratory Control Samples/
- Pesticide Cleanup Checks
- Target Compound Identification
- Compound Quantitation and Reported Contract Required Quantitation Limits (CRQLs)

Inorganics:

- Holding Times
- Calibration
- Blanks
- ICP Interference Check Sample
- Laboratory Control Sample
- Duplicate Sample Analysis
- Spike Sample Analysis
- ICP Serial Dilution Analysis
- Graphite Furnace AA (where applicable)
- Field Duplicates

The above items were in compliance with USEPA NYSDEC ASP laboratory QC criteria with the exception of the items discussed in the following text. The data have been validated according to the above procedures.

ORGANIC DATA

VOLATILE DATA

Method Blanks

SDG 70786

Methylene chloride and acetone were detected in method blank VBLK5Z at 1 ug/L and 4 ug/L, respectively. Methylene chloride and acetone were also reported in sample MW-12 (Methylene chloride 1 ug/L; Acetone 21 ug/L) and Trip blank TB052600 (Methylene chloride 1 ug/L; Acetone 3 ug/L). Consistent with USEPA data validation guidelines, since the reported methylene chloride and acetone concentrations in samples MW12 and TB052600 were less than ten times the blank value, the reported results have been flagged as non-detect at either the reported value or the CRDL, whichever was greater.

Trip Blanks

SDG 70769

Methylene chloride was detected in trip blank TB052400 at an estimated concentration of 2 ug/L. However, methylene chloride was not detected in any of the associated samples and therefore no qualification of data was necessary.

Continuing Calibration

SDG 70786

The percent difference for bromomethane (28%) exceeded the QC criteria of 25%. However, NYSDEC allows up to two volatile compounds in the continuing calibration to exceed the QC criteria of 25%, provided the percent difference was less than 40%. Therefore, the continuing calibration is considered acceptable and no data were qualified.

SEMIVOLATILE DATA

Initial Calibration

SDG 70769, 70779 and 70786

The initial calibration exhibited % RSDs for three compounds 4-chlorophenyl-phenyle ether (31.1 %), fluorene (25.7 %) and benzo(a)anthracene (21.6%), which exceeded the NYSDEC QC limit of 20.5%. However, NYSDEC allows up to four compounds to exceed the % RSD, provided that the RSDs are below 40%. Therefore, no data were qualified.

Continuing Calibration

SDG 70769, 70779 and 70786

The percent difference for 4-chlorophenyl-phenyle ether (27.1 %) exceeded the QC criteria of 25%. However, NYSDEC allows up to four compounds to exceed the continuing calibration percent difference QC criteria, provided the percent difference is less than 40 percent. Therefore, the continuing calibration is considered valid and no data were qualified.

PESTICIDE/PCBS

No qualification of data necessary

INORGANICS/WET CHEMISTRY

CRDL Standard

SDG 70769

Currently, NYSDEC does not have any control limits for the CRDL standard. However, USEPA Region II has a control limit of 20 percent. The initial and final CRDL standard percent recovery for lead (initial/final:149.3/132.8), magnesium (121.2/121.8) and zinc (145.9/130) were above the upper QC limit of 120% and the initial and final recovery for silver (44.4/40.2) were below the lower QC limit of 80%. All positive sample results for lead, magnesium, and zinc within the affected range (+/- two times the CRDL) have been qualified as estimated and may be biased high. Following USEPA guidelines sample results with CRDL recoveries less than 50% would be rejected, however, since NYSDEC does not have established QC criteria, all sample silver results, both non-detects and detected values within the affected range have been qualified as estimated and may be biased low. The affected data are summarized below. All the qualified data are considered valid and usable.

MW07D (lead, silver and zinc)

MW07 (lead, silver and zinc)

SDG 70786 and 70779

Currently, NYSDEC does not have any control limits for the CRDL standard. However, USEPA Region II has a control limit of 20 percent. The initial CRDL standard percent recovery for lead (123.2), and zinc (127) were above the upper QC limit of 120% and the initial and final CRDL standard %recovery for silver (46.9/46.2) were below the lower QC limit of 80%. All positive sample results for lead, and zinc within the affected range (+/- two times the CRDL) have been qualified as estimated and may be biased high. Following USEPA guidelines sample results with CRDL recoveries less than 50% would be rejected, however, since NYSDEC does not have established QC criteria, all sample silver results, both non-detects and detected values within the affected range have been qualified as estimated and may be biased low. The affected data are summarized below. All the qualified data are considered valid and usable.

MW12 (zinc and silver)

MW03A (zinc and silver)

MW04D (zinc and silver)

MW06 (zinc and silver)

Dup052500 (zinc and silver)

MW09D (lead, zinc and silver)

MW09S (lead, zinc and silver)

MW10 (zinc and silver)

MW13 (lead, zinc and silver)

Serial Dilution

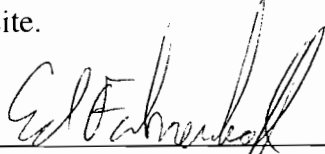
SDG 70786

A serial dilution analysis was performed on sample MW04D. The percent difference for sodium (18.7%) was above the 10% QC limit and the sample sodium concentration was

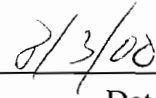
reported at greater than 50 times the IDL. The sodium results for all samples in this SDG have been flagged with a "J" and are considered estimated. The sodium results are considered valid and usable.

SUMMARY

The data validation indicated that all data are valid and usable. The data are of sufficient quality to make informed decisions with respect to ground water quality at the Mayer Landfill site.



Approved By
Edward G. Fahrenkopf, Jr.



Date



sis Report: Wet Chemistry Parameters

Matrix: Aqueous

Reporting <u>Limit</u>	<u>Units</u>	Analysis <u>Method</u>	Analysis <u>Date</u>
5	mg CaCO ₃ /L	SM 2320	5/26/00
0.2	mg/L	SM 4500-NH ₃ B	5/26/00
5	mg/L	SM 4500-Cl B	5/30/00
4	mg-equivCaCo3/L	SM2340B	5/26/00



Analysis Report: Wet Chemistry Parameters

Client: ERM-Northeast
Client ID: MW07D
Lab ID: 70769001

Matrix: Aqueous

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Analysis Date</u>
Alkalinity	260	5	mg CaCO ₃ /L	SM 2320	5/26/00
Ammonia	0.3	0.2	mg/L	SM 4500-NH ₃ B	5/26/00
Chloride	11	5	mg/L	SM 4500-Cl B	5/30/00
Hardness	250	4	mg-equivCaCO ₃ /L	SM2340B	5/26/00



Analysis Report: Wet Chemistry Parameters

Client: ERM-Northeast
Client ID: MW07
Lab ID: 70769002

Matrix: Aqueous

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Analysis Date</u>
Alkalinity	270	5	mg CaCO ₃ /L	SM 2320	5/26/00
Ammonia	0.3	0.2	mg/L	SM 4500-NH ₃ B	5/26/00
Chloride	11	5	mg/L	SM 4500-Cl B	5/30/00
Hardness	230	4	mg-equivCaCO ₃ /L	SM2340B	5/26/00



Analysis Report: Wet Chemistry Parameters

Client: ERM-Northeast
Client ID: MW07DUP
Lab ID: 70769002D

Matrix: Aqueous

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Analysis Date</u>
Alkalinity	260	5	mg CaCO ₃ /L	SM 2320	5/26/00
Ammonia	0.2	0.2	mg/L	SM 4500-NH ₃ B	5/26/00
Chloride	12	5	mg/L	SM 4500-Cl B	5/30/00
Hardness	240	4	mg-equivCaCO ₃ /L	SM2340B	5/26/00

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB052400

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70769

Matrix: (soil/water) WATER

Lab Sample ID: 70769003

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: VID1357

Level: (low/med) LOW

Date Received: 05/25/00

% Moisture: not dec. _____

Date Analyzed: 05/30/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
			Q
74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	10	U
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (Total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (Total)	10	U

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB052400

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70769

Matrix: (soil/water) WATER

Lab Sample ID: 70769003

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D1357

Level: (low/med) LOW

Date Received: 05/25/00

% Moisture: not dec. _____

Date Analyzed: 05/30/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

MW07

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70769

Matrix: (soil/water) WATER

Lab Sample ID: 70769002

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: VID1356

Level: (low/med) LOW

Date Received: 05/25/00

% Moisture: not dec. _____

Date Analyzed: 05/30/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW07

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70769

Matrix: (soil/water) WATER

Lab Sample ID: 70769002

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: VID1356

Level: (low/med) LOW

Date Received: 05/25/00

% Moisture: not dec. _____

Date Analyzed: 05/30/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

MW07D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70769

Matrix: (soil/water) WATER

Lab Sample ID: 70769001

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D1355

Level: (low/med) LOW

Date Received: 05/25/00

% Moisture: not dec. _____

Date Analyzed: 05/30/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW07D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70769

Matrix: (soil/water) WATER

Lab Sample ID: 70769001

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D1355

Level: (low/med) LOW

Date Received: 05/25/00

% Moisture: not dec. _____

Date Analyzed: 05/30/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

TB052400

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70769

Matrix: (soil/water) WATER

Lab Sample ID: 70769004

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V1D1360

Level: (low/med) LOW

Date Received: 05/25/00

% Moisture: not dec. _____

Date Analyzed: 05/30/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	2	J
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB052400

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70769

Matrix: (soil/water) WATER

Lab Sample ID: 70769004

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: VID1360

Level: (low/med) LOW

Date Received: 05/25/00

% Moisture: not dec. _____

Date Analyzed: 05/30/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW07

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70769

Matrix: (soil/water) WATER

Lab Sample ID: 70769002

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5054

Level: (low/med) LOW

Date Received: 05/25/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/30/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/08/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

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

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW07

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70769

Matrix: (soil/water) WATER Lab Sample ID: 70769002

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S2B5054

Level: (low/med) LOW Date Received: 05/25/00

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 05/30/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/08/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
			Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW07

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70769

Matrix: (soil/water) WATER

Lab Sample ID: 70769002

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5054

Level: (low/med) LOW

Date Received: 05/25/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/30/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/08/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW07D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70769

Matrix: (soil/water) WATER

Lab Sample ID: 70769001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5053

Level: (low/med) LOW

Date Received: 05/25/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/30/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/08/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW07D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70769

Matrix: (soil/water) WATER

Lab Sample ID: 70769001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5053

Level: (low/med) LOW

Date Received: 05/25/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/30/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/08/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW07D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70769

Matrix: (soil/water) WATER

Lab Sample ID: 70769001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5053

Level: (low/med) LOW

Date Received: 05/25/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/30/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/08/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW07

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70769

Matrix: (soil/water) WATER

Lab Sample ID: 70769002

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E4A1386F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 05/25/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 05/30/00

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 06/09/00

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW07D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70769

Matrix: (soil/water) WATER

Lab Sample ID: 70769001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E4A1385F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 05/25/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 05/30/00

Concentrated Extract Volume: 9000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.045	U
319-85-7-----	beta-BHC	0.045	U
319-86-8-----	delta-BHC	0.045	U
58-89-9-----	gamma-BHC (Lindane)	0.045	U
76-44-8-----	Heptachlor	0.045	U
309-00-2-----	Aldrin	0.045	U
1024-57-3-----	Heptachlor epoxide	0.045	U
959-98-8-----	Endosulfan I	0.045	U
60-57-1-----	Dieldrin	0.090	U
72-55-9-----	4,4'-DDE	0.090	U
72-20-8-----	Endrin	0.090	U
33213-65-9-----	Endosulfan II	0.090	U
72-54-8-----	4,4'-DDD	0.090	U
1031-07-8-----	Endosulfan sulfate	0.090	U
50-29-3-----	4,4'-DDT	0.090	U
72-43-5-----	Methoxychlor	0.45	U
53494-70-5-----	Endrin ketone	0.090	U
7421-93-4-----	Endrin aldehyde	0.090	U
5103-71-9-----	alpha-Chlordane	0.045	U
5103-74-2-----	gamma-Chlordane	0.045	U
8001-35-2-----	Toxaphene	4.5	U
12674-11-2-----	Aroclor-1016	0.90	U
11104-28-2-----	Aroclor-1221	1.8	U
11141-16-5-----	Aroclor-1232	0.90	U
53469-21-9-----	Aroclor-1242	0.90	U
12672-29-6-----	Aroclor-1248	0.90	U
11097-69-1-----	Aroclor-1254	0.90	U
11096-82-5-----	Aroclor-1260	0.90	U

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW07D

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70769__

Matrix (soil/water): WATER_____ Lab Sample ID: 70769001_____

Level (low/med): MED_____ Date Received: 05/25/00_____

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	106	B		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	3.7	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	75300			P
7440-47-3	Chromium	0.40	U		P
7440-48-4	Cobalt	0.70	U		P
7440-50-8	Copper	6.7	B		P
7439-89-6	Iron	125			P
7439-92-1	Lead	2.7	B		P
7439-95-4	Magnesium	15000			P
7439-96-5	Manganese	977			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	2.0	U		P
7440-09-7	Potassium	831	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	9610			P
7440-28-0	Thallium	2.7	B		P
7440-62-2	Vanadium	18.7	B		P
7440-66-6	Zinc	21.1			P
56-12-5	Cyanide	2.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR_____ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW07

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70769

Matrix (soil/water): WATER Lab Sample ID: 70769002

Level (low/med): MED Date Received: 05/25/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	326			P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	4.8	B		P
7440-39-3	Barium	20.7	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	71000			P
7440-47-3	Chromium	0.40	U		P
7440-48-4	Cobalt	0.70	U		P
7440-50-8	Copper	3.4	B		P
7439-89-6	Iron	599			P
7439-92-1	Lead	2.6	B		P
7439-95-4	Magnesium	13200			P
7439-96-5	Manganese	1800			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	2.0	U		P
7440-09-7	Potassium	772	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	8310			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	16.8	B		P
7440-66-6	Zinc	15.3	B		P
56-12-5	Cyanide	2.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:



Analysis Report: Wet Chemistry Parameters

Client: ERM-Northeast
Client ID: MW12
Lab ID: 70786001

Matrix: Aqueous

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Analysis Date</u>
Alkalinity	710	5	mg CaCO ₃ /L	SM 2320	5/30/00
Ammonia	ND	0.2	mg/L	SM 4500-NH ₃ B	6/3/00
Chloride	ND	5	mg/L	SM 4500-Cl B	5/30/00
Hardness	640	4	mg-equivCaCO ₃ /L	SM2340 B	6/1/00

ND = Not Detected



Analysis Report: Wet Chemistry Parameters

Client: ERM-Northeast
Client ID: MW03A
Lab ID: 70786004

Matrix: Aqueous

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Analysis Date</u>
Alkalinity	220	5	mg CaCO ₃ /L	SM 2320	5/30/00
Ammonia	0.6	0.2	mg/L	SM 4500-NH ₃ B	5/31/00
Chloride	13	5	mg/L	SM 4500-Cl B	5/30/00
Hardness	190	4	mg-equivCaCO ₃ /L	SM2340 B	6/1/00

ND = Not Detected



Analysis Report: Wet Chemistry Parameters

Client: ERM-Northeast
Client ID: MW06
Lab ID: 70786005

Matrix: Aqueous

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Analysis Date</u>
Alkalinity	91	5	mg CaCO ₃ /L	SM 2320	5/30/00
Ammonia	0.3	0.2	mg/L	SM 4500-NH ₃ B	5/31/00
Chloride	ND	5	mg/L	SM 4500-Cl B	5/30/00
Hardness	98	4	mg-equivCaCO ₃ /L	SM2340 B	6/1/00

ND = Not Detected



Analysis Report: Wet Chemistry Parameters

Client: ERM-Northeast
Client ID: MW04D
Lab ID: 70786006

Matrix: Aqueous

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Analysis Date</u>
Alkalinity	240	5	mg CaCO ₃ /L	SM 2320	5/30/00
Ammonia	ND	0.2	mg/L	SM 4500-NH ₃ B	6/3/00
Chloride	13	5	mg/L	SM 4500-Cl B	5/30/00
Hardness	180	4	mg-equivCaCO ₃ /L	SM2340 B	6/1/00

ND = Not Detected

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB052600

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.: 28072

SAS No.:

SDG No.: 70786

Matrix: (soil/water) WATER

Lab Sample ID: 70786002

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C1337

Level: (low/med) LOW

Date Received: 05/27/00

% Moisture: not dec. _____

Date Analyzed: 06/02/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB052600

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.: 28072

SAS No.:

SDG No.: 70786

Matrix: (soil/water) WATER

Lab Sample ID: 70786002

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C1337

Level: (low/med) LOW

Date Received: 05/27/00

% Moisture: not dec. _____

Date Analyzed: 06/02/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW03A

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.: 28072

SAS No.:

SDG No.: 70786

Matrix: (soil/water) WATER

Lab Sample ID: 70786004

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C1339

Level: (low/med) LOW

Date Received: 05/27/00

% Moisture: not dec. _____

Date Analyzed: 06/02/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW03A

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.: 28072

SAS No.:

SDG No.: 70786

Matrix: (soil/water) WATER

Lab Sample ID: 70786004

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C1339

Level: (low/med) LOW

Date Received: 05/27/00

% Moisture: not dec. _____

Date Analyzed: 06/02/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
3.				
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30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW04D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.: 28072

SAS No.:

SDG No.: 70786

Matrix: (soil/water) WATER

Lab Sample ID: 70786006

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C1340

Level: (low/med) LOW

Date Received: 05/27/00

% Moisture: not dec. _____

Date Analyzed: 06/02/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10 U	
74-83-9	Bromomethane	10 U	
75-01-4	Vinyl Chloride	10 U	
75-00-3	Chloroethane	10 U	
75-09-2	Methylene Chloride	10 U	
67-64-1	Acetone	10 U	
75-15-0	Carbon Disulfide	10 U	
75-35-4	1,1-Dichloroethene	10 U	
75-34-3	1,1-Dichloroethane	10 U	
540-59-0	1,2-Dichloroethene (Total)	10 U	
67-66-3	Chloroform	10 U	
107-06-2	1,2-Dichloroethane	10 U	
78-93-3	2-Butanone	10 U	
71-55-6	1,1,1-Trichloroethane	10 U	
56-23-5	Carbon Tetrachloride	10 U	
75-27-4	Bromodichloromethane	10 U	
78-87-5	1,2-Dichloropropane	10 U	
10061-01-5	cis-1,3-Dichloropropene	10 U	
79-01-6	Trichloroethene	10 U	
124-48-1	Dibromochloromethane	10 U	
79-00-5	1,1,2-Trichloroethane	10 U	
71-43-2	Benzene	10 U	
10061-02-6	trans-1,3-Dichloropropene	10 U	
75-25-2	Bromoform	10 U	
108-10-1	4-Methyl-2-Pentanone	10 U	
591-78-6	2-Hexanone	10 U	
127-18-4	Tetrachloroethene	10 U	
79-34-5	1,1,2,2-Tetrachloroethane	10 U	
108-88-3	Toluene	10 U	
108-90-7	Chlorobenzene	10 U	
100-41-4	Ethylbenzene	10 U	
100-42-5	Styrene	10 U	
1330-20-7	Xylene (Total)	10 U	

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW04D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.: 28072

SAS No.:

SDG No.: 70786

Matrix: (soil/water) WATER

Lab Sample ID: 70786006

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C1340

Level: (low/med) LOW

Date Received: 05/27/00

% Moisture: not dec. _____

Date Analyzed: 06/02/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

FORM I VOA-TIC

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW12

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.: 28072

SAS No.:

SDG No.: 70786

Matrix: (soil/water) WATER

Lab Sample ID: 70786001

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C1336

Level: (low/med) LOW

Date Received: 05/27/00

% Moisture: not dec. _____

Date Analyzed: 06/02/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
74-87-3	Chloromethane	10	U	
74-83-9	Bromomethane	10	U	
75-01-4	Vinyl Chloride	10	U	
75-00-3	Chloroethane	10	U	
75-09-2	Methylene Chloride	1	JB	10.00
67-64-1	Acetone	21	B	11
75-15-0	Carbon Disulfide	10	U	
75-35-4	1,1-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
540-59-0	1,2-Dichloroethene (Total)	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	2-Butanone	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
75-27-4	Bromodichloromethane	10	U	
78-87-5	1,2-Dichloropropane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
79-01-6	Trichloroethene	10	U	
124-48-1	Dibromochloromethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
71-43-2	Benzene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	
75-25-2	Bromoform	10	U	
108-10-1	4-Methyl-2-Pentanone	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
108-88-3	Toluene	10	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethylbenzene	10	U	
100-42-5	Styrene	10	U	
1330-20-7	Xylene (Total)	10	U	

FORM I VOA

666
8/1/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW12

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.: 28072

SAS No.:

SDG No.: 70786

Matrix: (soil/water) WATER

Lab Sample ID: 70786001

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C1336

Level: (low/med) LOW

Date Received: 05/27/00

% Moisture: not dec. _____

Date Analyzed: 06/02/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1. 115-07-1	PROPENE	2.12	46	NJ
2.				
3.				
4.				
5.				
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29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB052600

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.: 28072

SAS No.:

SDG No.: 70786

Matrix: (soil/water) WATER

Lab Sample ID: 70786003

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C1338

Level: (low/med) LOW

Date Received: 05/27/00

% Moisture: not dec. _____

Date Analyzed: 06/02/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
74-87-3	Chloromethane	10	U	
74-83-9	Bromomethane	10	U	
75-01-4	Vinyl Chloride	10	U	
75-00-3	Chloroethane	10	U	
75-09-2	Methylene Chloride	1	JB	1000
67-64-1	Acetone	3	JB	1000
75-15-0	Carbon Disulfide	10	U	
75-35-4	1,1-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
540-59-0	1,2-Dichloroethene (Total)	10	U	
67-66-3	Chloroform	10	U	
107-06-2	1,2-Dichloroethane	10	U	
78-93-3	2-Butanone	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
56-23-5	Carbon Tetrachloride	10	U	
75-27-4	Bromodichloromethane	10	U	
78-87-5	1,2-Dichloropropane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
79-01-6	Trichloroethene	10	U	
124-48-1	Dibromochloromethane	2	J	
79-00-5	1,1,2-Trichloroethane	10	U	
71-43-2	Benzene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	
75-25-2	Bromoform	10	U	
108-10-1	4-Methyl-2-Pentanone	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	2	J	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
108-88-3	Toluene	10	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethylbenzene	10	U	
100-42-5	Styrene	10	U	
1330-20-7	Xylene (Total)	10	U	

FORM I VOA

GGF
8/1/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB052600

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.: 28072

SAS No.:

SDG No.: 70786

Matrix: (soil/water) WATER

Lab Sample ID: 70786003

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C1338

Level: (low/med) LOW

Date Received: 05/27/00

% Moisture: not dec. _____

Date Analyzed: 06/02/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW03A

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70786

Matrix: (soil/water) WATER

Lab Sample ID: 70786004

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5057

Level: (low/med) LOW

Date Received: 05/27/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/30/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW03A

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70786

Matrix: (soil/water) WATER

Lab Sample ID: 70786004

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5057

Level: (low/med) LOW

Date Received: 05/27/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/30/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

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

CAS NO. COMPOUND Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW03A

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70786

Matrix: (soil/water) WATER

Lab Sample ID: 70786004

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5057

Level: (low/med) LOW

Date Received: 05/27/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/30/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 872-50-4	2-PYRROLIDINONE, 1-METHYL-	9.31	2	NJ
2.				
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FORM I SV-TIC

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW04D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70786

Matrix: (soil/water) WATER

Lab Sample ID: 70786006

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5058

Level: (low/med) LOW

Date Received: 05/27/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/30/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW04D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70786

Matrix: (soil/water) WATER

Lab Sample ID: 70786006

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5058

Level: (low/med) LOW

Date Received: 05/27/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/30/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW04D

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70786

Matrix: (soil/water) WATER

Lab Sample ID: 70786006

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5058

Level: (low/med) LOW

Date Received: 05/27/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/30/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW12

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70786

Matrix: (soil/water) WATER

Lab Sample ID: 70786001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5059

Level: (low/med) LOW

Date Received: 05/27/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/30/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2-----	Phenol	10 U	
111-44-4-----	bis(-2-Chloroethyl) Ether	10 U	
95-57-8-----	2-Chlorophenol	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	
95-48-7-----	2-Methylphenol	10 U	
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10 U	
106-44-5-----	4-Methylphenol	10 U	
621-64-7-----	N-Nitroso-di-n-propylamine	10 U	
67-72-1-----	Hexachloroethane	10 U	
98-95-3-----	Nitrobenzene	10 U	
78-59-1-----	Isophorone	10 U	
88-75-5-----	2-Nitrophenol	10 U	
105-67-9-----	2,4-Dimethyphenol	10 U	
120-83-2-----	2,4-Dichlorophenol	10 U	
120-82-1-----	1,2,4-Trichlorobenzene	10 U	
91-20-3-----	Naphthalene	10 U	
106-47-8-----	4-Chloroaniline	10 U	
111-91-1-----	bis(2-Chloroethoxy)methane	10 U	
87-68-3-----	Hexachlorobutadiene	10 U	
59-50-7-----	4-Chloro-3-methylphenol	10 U	
91-57-6-----	2-Methylnaphthalene	10 U	
77-47-4-----	Hexachlorocyclopentadiene	10 U	
88-06-2-----	2,4,6-Trichlorophenol	10 U	
95-95-4-----	2,4,5-Trichlorophenol	25 U	
91-58-7-----	2-Chloronaphthalene	10 U	
88-74-4-----	2-Nitroaniline	25 U	
131-11-3-----	Dimethylphthalate	10 U	
208-96-8-----	Acenaphthylene	10 U	
606-20-2-----	2,6-Dinitrotoluene	10 U	
99-09-2-----	3-Nitroaniline	25 U	
83-32-9-----	Acenaphthene	10 U	

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW12

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70786

Matrix: (soil/water) WATER

Lab Sample ID: 70786001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5059

Level: (low/med) LOW

Date Received: 05/27/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/30/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

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

CAS NO. COMPOUND Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	5	J
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis (2-Ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U
191-24-2-----	Benzo (g,h,i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW12

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70786

Matrix: (soil/water) WATER

Lab Sample ID: 70786001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5059

Level: (low/med) LOW

Date Received: 05/27/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/30/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 16

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 107-92-6	BUTANOIC ACID	5.10	2	NJ
2.	UNKNOWN	7.60	3	J
3.	UNKNOWN	15.52	10	J
4.	UNKNOWN	17.54	4	J
5. 20490-42-0	1,4-NAPHTHALENEDIONE, 2,3,6-	17.87	2	NJ
6. 132-65-0	DIBENZOTHIOPHENE	17.95	2	NJ
7.	UNKNOWN	18.39	6	J
8.	UNKNOWN	18.76	2	J
9.	UNKNOWN	18.85	8	J
10. 613-12-7	ANTHRACENE, 2-METHYL-	19.20	3	NJ
11. 613-12-7	ANTHRACENE, 2-METHYL-	19.26	4	NJ
12. 613-12-7	ANTHRACENE, 2-METHYL-	19.42	22	NJ
13. 81-84-5	1,8-NAPHTHALIC ANHYDRIDE	20.33	14	NJ
14. 57-11-4	OCTADECANOIC ACID	20.90	11	NJ
15.	UNKNOWN	21.60	25	J
16.	UNKNOWN PHTHALATE	27.16	2	J
17.				
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FORM I SV-TIC

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW06

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70786

Matrix: (soil/water) WATER

Lab Sample ID: 70786005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E4A1392F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 05/27/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 05/30/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW12

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70786

Matrix: (soil/water) WATER

Lab Sample ID: 70786001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E4A1391F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 05/27/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 05/30/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW12

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70786

Matrix (soil/water): WATER Lab Sample ID: 70786001

Level (low/med): MED Date Received: 05/27/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	703			P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	2.3	B		P
7440-39-3	Barium	72.6	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.42	B		P
7440-70-2	Calcium	171000			P
7440-47-3	Chromium	0.40	U		P
7440-48-4	Cobalt	2.4	B		P
7440-50-8	Copper	11.7	B		P
7439-89-6	Iron	18700			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	51200			P
7439-96-5	Manganese	5790			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	6.6	B		P
7440-09-7	Potassium	5710			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	11300		E	P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	44.3	B		P
7440-66-6	Zinc	27.9			P
56-12-5	Cyanide	2.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

NYSDEC - ASP
I
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW03A

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70786__

Matrix (soil/water): WATER Lab Sample ID: 70786004__

Level (low/med): MED Date Received: 05/27/00__

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	463			P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	36.5	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	52200			P
7440-47-3	Chromium	0.40	U		P
7440-48-4	Cobalt	0.70	U		P
7440-50-8	Copper	6.3	B		P
7439-89-6	Iron	569			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	14900			P
7439-96-5	Manganese	648			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	2.0	U		P
7440-09-7	Potassium	1590	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	15300		E	P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	21.6	B		P
7440-66-6	Zinc	17.8	B		P
56-12-5	Cyanide	2.0	U		C

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6.6 F 8/1/00

Color Before: COLORLESS Clarity Before: CLEAR__ Texture: _____

Color After: COLORLESS Clarity After: CLEAR__ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW04D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70786__

Matrix (soil/water): WATER_ Lab Sample ID: 70786006__

Level (low/med): MED_ Date Received: 05/27/00__

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	27.2	B		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	4.1	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	43400			P
7440-47-3	Chromium	0.40	U		P
7440-48-4	Cobalt	0.70	U		P
7440-50-8	Copper	5.7	B		P
7439-89-6	Iron	62.6	B		P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	17600			P
7439-96-5	Manganese	281			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	2.0	U		P
7440-09-7	Potassium	1290	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	16800		E	P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	24.2	B		P
7440-66-6	Zinc	16.2	B		P
56-12-5	Cyanide	2.0	U		C

66F 3/1/00

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments: _____

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW06

Lab Name: MITKEM_CORPORATION Contract: _____

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

SDG No.: 70786

Matrix (soil/water): WATER Lab Sample ID: 70786005

Level (low/med): MED Date Received: 05/27/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	117	B		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	21.1	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	33100			P
7440-47-3	Chromium	0.72	B		P
7440-48-4	Cobalt	0.70	U		P
7440-50-8	Copper	3.5	B		P
7439-89-6	Iron	207			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	3620	B		P
7439-96-5	Manganese	186			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	2.0	U		P
7440-09-7	Potassium	985	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	2370	B	E	P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	5.7	B		P
7440-66-6	Zinc	10.7	B		P
56-12-5	Cyanide	10.4			C

605
8/1/00

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____



Analysis Report: Wet Chemistry Parameters

Client: ERM-Northeast
Client ID: MW10
Lab ID: 70779001

Matrix: Aqueous

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Analysis Date</u>
Alkalinity	940	5	mg CaCO ₃ /L	SM 2320	5/30/00
Ammonia	110	0.2	mg/L	SM 4500-NH ₃ B	5/30/00
Chloride	110	20 **	mg/L	SM 4500-Cl B	5/30/00
Hardness	330	4	mg-equivCaCO ₃ /L	SM2340B	5/30/00

**Elevated due to sample matrix effects.



Analysis Report: Wet Chemistry Parameters

Client: ERM-Northeast
Client ID: DUP052500
Lab ID: 70779002

Matrix: Aqueous

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Analysis Date</u>
Alkalinity	940	5	mg CaCO ₃ /L	SM 2320	5/30/00
Ammonia	110	0.2	mg/L	SM 4500-NH ₃ B	5/30/00
Chloride	110	20 **	mg/L	SM 4500-Cl B	5/30/00
Hardness	350	4	mg-equiv CaCO ₃ /L	SM 2340B	5/30/00

**Elevated due to sample matrix effects.



Analysis Report: Wet Chemistry Parameters

Client: ERM-Northeast
Client ID: MW09S
Lab ID: 70779005

Matrix: Aqueous

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Analysis Date</u>
Alkalinity	850	5	mg CaCO ₃ /L	SM 2320	5/30/00
Ammonia	15	0.2	mg/L	SM 4500-NH ₃ B	5/30/00
Chloride	210	5	mg/L	SM 4500-Cl B	5/30/00
Hardness	400	4	mg-equiv Ca ₃ /L	SM2340 B	5/30/00



Analysis Report: Wet Chemistry Parameters

Client: ERM-Northeast
Client ID: MW09D
Lab ID: 70779006

Matrix: Aqueous

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Analysis Date</u>
Alkalinity	910	5	mg CaCO ₃ /L	SM 2320	5/30/00
Ammonia	14	0.2	mg/L	SM 4500-NH ₃ B	5/30/00
Chloride	200	5	mg/L	SM 4500-Cl B	5/30/00
Hardness	390	4	mg-equivCaCO ₃ /L	SM2340 B	5/30/00



Analysis Report: Wet Chemistry Parameters

Client: ERM-Northeast
Client ID: MW13
Lab ID: 70779007

Matrix: Aqueous

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Analysis Date</u>
Alkalinity	47	5	mg CaCO ₃ /L	SM 2320	5/30/00
Ammonia	ND	0.2	mg/L	SM 4500-NH ₃ B	6/30/00
Chloride	ND	5	mg/L	SM 4500-Cl B	5/30/00
Hardness	49	4	mg-equiv CaCO ₃ /L	SM 2340B	5/30/00

ND = Not Detected

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP052500

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70779

Matrix: (soil/water) WATER

Lab Sample ID: 70779002

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2D0746

Level: (low/med) LOW

Date Received: 05/26/00

% Moisture: not dec. _____

Date Analyzed: 06/01/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	6	J
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	1	J
108-90-7-----	Chlorobenzene	46	
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	28	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP052500

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70779

Matrix: (soil/water) WATER

Lab Sample ID: 70779002

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2D0746

Level: (low/med) LOW

Date Received: 05/26/00

% Moisture: not dec. _____

Date Analyzed: 06/01/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.28	13	J
2. 1066-40-6	SILANOL, TRIMETHYL-	5.29	8	J
3. 98-82-8	BENZENE, (1-METHYLETHYL) -	11.66	5	NJ
4. 624-42-0	3-HEPTANONE, 6-METHYL-	12.13	10	NJ
5. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	12.37	7	NJ
6. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	12.82	28	NJ
7.	UNKNOWN	13.01	5	J
8. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	13.32	13	NJ
9.	UNKNOWN HYDROCARBON	13.55	6	J
10.				
11.				
12.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB052500

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70779

Matrix: (soil/water) WATER

Lab Sample ID: 70779003

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2D0747

Level: (low/med) LOW

Date Received: 05/26/00

% Moisture: not dec. _____

Date Analyzed: 06/01/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3-----	Chloromethane	10 U	
74-83-9-----	Bromomethane	10 U	
75-01-4-----	Vinyl Chloride	10 U	
75-00-3-----	Chloroethane	10 U	
75-09-2-----	Methylene Chloride	10 U	
67-64-1-----	Acetone	10 U	
75-15-0-----	Carbon Disulfide	10 U	
75-35-4-----	1,1-Dichloroethene	10 U	
75-34-3-----	1,1-Dichloroethane	10 U	
540-59-0-----	1,2-Dichloroethene (Total)	10 U	
67-66-3-----	Chloroform	10 U	
107-06-2-----	1,2-Dichloroethane	10 U	
78-93-3-----	2-Butanone	10 U	
71-55-6-----	1,1,1-Trichloroethane	10 U	
56-23-5-----	Carbon Tetrachloride	10 U	
75-27-4-----	Bromodichloromethane	10 U	
78-87-5-----	1,2-Dichloropropane	10 U	
10061-01-5-----	cis-1,3-Dichloropropene	10 U	
79-01-6-----	Trichloroethene	10 U	
124-48-1-----	Dibromochloromethane	10 U	
79-00-5-----	1,1,2-Trichloroethane	10 U	
71-43-2-----	Benzene	10 U	
10061-02-6-----	trans-1,3-Dichloropropene	10 U	
75-25-2-----	Bromoform	10 U	
108-10-1-----	4-Methyl-2-Pentanone	10 U	
591-78-6-----	2-Hexanone	10 U	
127-18-4-----	Tetrachloroethene	10 U	
79-34-5-----	1,1,2,2-Tetrachloroethane	10 U	
108-88-3-----	Toluene	10 U	
108-90-7-----	Chlorobenzene	10 U	
100-41-4-----	Ethylbenzene	10 U	
100-42-5-----	Styrene	10 U	
1330-20-7-----	Xylene (Total)	10 U	

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB052500

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70779

Matrix: (soil/water) WATER

Lab Sample ID: 70779003

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2D0747

Level: (low/med) LOW

Date Received: 05/26/00

% Moisture: not dec. _____

Date Analyzed: 06/01/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW09S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70779

Matrix: (soil/water) WATER Lab Sample ID: 70779005

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D0761

Level: (low/med) LOW Date Received: 05/26/00

% Moisture: not dec. _____ Date Analyzed: 06/01/00

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

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (Total)	10	U

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW09S

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70779

Matrix: (soil/water) WATER

Lab Sample ID: 70779005

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2D0761

Level: (low/med) LOW

Date Received: 05/26/00

% Moisture: not dec. _____

Date Analyzed: 06/01/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1. 1066-40-6	SILANOL, TRIMETHYL-	5.29	11	NJ
2.				
3.				
4.				
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30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70779

Matrix: (soil/water) WATER

Lab Sample ID: 70779001

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2D0745

Level: (low/med) LOW

Date Received: 05/26/00

% Moisture: not dec. _____

Date Analyzed: 06/01/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	6	J
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	1	J
108-90-7-----	Chlorobenzene	48	
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	29	

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.: 28072

SAS No.:

SDG No.: 70779

Matrix: (soil/water) WATER

Lab Sample ID: 70779001

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2D0745

Level: (low/med) LOW

Date Received: 05/26/00

% Moisture: not dec. _____

Date Analyzed: 06/01/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 9

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 60-29-7	ETHER	3.27	12	NJ
2.	UNKNOWN	5.29	9	J
3. 98-82-8	BENZENE, (1-METHYLETHYL) -	11.66	5	NJ
4. 624-42-0	3-HEPTANONE, 6-METHYL-	12.13	10	NJ
5. 108-67-8	BENZENE, 1,3,5-TRIMETHYL-	12.38	7	NJ
6. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	12.82	27	NJ
7.	UNKNOWN	13.01	5	J
8. 108-67-8	BENZENE, 1,3,5-TRIMETHYL-	13.32	12	NJ
9. 300-57-2	BENZENE, 2-PROPENYL-	13.54	6	NJ
10.				
11.				
12.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB052500

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70779

Matrix: (soil/water) WATER

Lab Sample ID: 70779004

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2D0760

Level: (low/med) LOW

Date Received: 05/26/00

% Moisture: not dec. _____

Date Analyzed: 06/01/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB052500

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70779

Matrix: (soil/water) WATER

Lab Sample ID: 70779004

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V2D0760

Level: (low/med) LOW

Date Received: 05/26/00

% Moisture: not dec. _____

Date Analyzed: 06/01/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP052500

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70779

Matrix: (soil/water) WATER

Lab Sample ID: 70779002

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5065

Level: (low/med) LOW

Date Received: 05/26/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/27/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	8	J
95-50-1-----	1,2-Dichlorobenzene	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	8	J
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	1	J
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP052500

Lab Name: MITKEM CORPORATION Contract:
Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70779
Matrix: (soil/water) WATER Lab Sample ID: 70779002
Sample wt/vol: 1000 (g/mL) ML Lab File ID: S2B5065
Level: (low/med) LOW Date Received: 05/26/00
% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 05/27/00
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/09/00
Injection Volume: 2.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: _____

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	2	J
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis (2-Ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U
191-24-2-----	Benzo (g,h,i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP052500

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70779

Matrix: (soil/water) WATER

Lab Sample ID: 70779002

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5065

Level: (low/med) LOW

Date Received: 05/26/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/27/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 95-36-3	1,2,4-TRIMETHYLBENZENE	8.76	16	NJ
2.	UNKNOWN	10.06	16	J
3. 78-40-0	TRIETHYL PHOSPHATE	10.43	7	NJ
4.	UNKNOWN	12.22	6	J
5.	UNKNOWN	12.56	8	J
6. 98-54-4	PHENOL, P-TERT-BUTYL-	12.70	6	NJ
7.	UNKNOWN ORGANIC ACID	13.37	8	J
8. 499-06-9	BENZOIC ACID, 3,5-DIMETHYL-	13.59	18	NJ
9.	UNKNOWN	14.46	11	J
10.	UNKNOWN	14.82	22	J
11.	UNKNOWN	15.06	8	J
12. 134-62-3	DIETHYLTOLUAMIDE	15.93	19	NJ
13.	UNKNOWN	16.47	12	J
14.	UNKNOWN	16.81	25	J
15. 934-34-9	2(3H)-BENZOTHAZOLONE	17.21	170	NJ
16. 80-39-7	BENZENESULFONAMIDE, N-ETHYL-	17.42	21	NJ
17.	UNKNOWN	18.59	18	J
18.	UNKNOWN	19.02	14	J
19.	UNKNOWN	20.24	18	J
20.	UNKNOWN	20.85	73	J
21.	UNKNOWN	21.20	5	J
22. 80-05-7	PHENOL, 4,4'-(1-METHYLETHYL)	21.28	20	NJ
23.	UNKNOWN	21.57	28	J
24.	UNKNOWN	22.01	22	J
25.	UNKNOWN	22.18	32	J
26.	UNKNOWN	22.66	30	J
27.	UNKNOWN	22.72	45	J
28.	UNKNOWN	23.86	23	J
29.	UNKNOWN	24.44	20	J
30.	UNKNOWN	26.34	14	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW09S

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70779

Matrix: (soil/water) WATER

Lab Sample ID: 70779005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5063

Level: (low/med) LOW

Date Received: 05/26/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/27/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW09S

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70779

Matrix: (soil/water) WATER

Lab Sample ID: 70779005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5063

Level: (low/med) LOW

Date Received: 05/26/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/27/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	3	J
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW09S

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70779

Matrix: (soil/water) WATER

Lab Sample ID: 70779005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5063

Level: (low/med) LOW

Date Received: 05/26/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/27/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CONCENTRATION UNITS:

Number TICs found: 30

(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-91-1	1,4-DIOXANE	4.15	11	NJ
2. 541-05-9	CYCLOTRISILOXANE, HEXAMETHYL	5.74	5	NJ
3. 503-74-2	BUTANOIC ACID, 3-METHYL-	6.18	11	NJ
4.	UNKNOWN	7.47	7	J
5.	UNKNOWN	8.24	4	J
6. 632-22-4	UREA, TETRAMETHYL-	8.57	4	NJ
7.	UNKNOWN	10.26	5	J
8.	UNKNOWN	10.58	4	J
9.	UNKNOWN	10.85	3	J
10.	UNKNOWN	11.32	20	J
11.	UNKNOWN	11.47	14	J
12. 103-82-2	BENZENEACETIC ACID	12.03	6	NJ
13.	UNKNOWN	13.10	4	J
14.	UNKNOWN	13.92	3	J
15.	UNKNOWN	14.32	3	J
16.	UNKNOWN	14.44	5	J
17.	UNKNOWN	15.03	3	J
18. 97-78-9	GLYCINE, N-METHYL-N-(1-OXODO	15.56	3	NJ
19.	UNKNOWN	15.71	3	J
20. 544-63-8	TETRADECANOIC ACID	17.49	5	NJ
21.	UNKNOWN	18.59	3	J
22.	UNKNOWN	20.21	5	J
23.	UNKNOWN	21.95	34	J
24.	UNKNOWN	22.04	6	J
25.	UNKNOWN	22.70	12	J
26. 629-78-7	HEPTADECANE	24.01	4	NJ
27.	UNKNOWN	25.18	3	J
28.	UNKNOWN	25.87	6	J
29.	UNKNOWN	26.74	4	J
30.	UNKNOWN	28.09	4	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70779

Matrix: (soil/water) WATER

Lab Sample ID: 70779001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5068

Level: (low/med) LOW

Date Received: 05/26/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/27/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	9	J
95-50-1-----	1,2-Dichlorobenzene	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	8	J
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	1	J
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW10

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70779

Matrix: (soil/water) WATER Lab Sample ID: 70779001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S2B5068

Level: (low/med) LOW Date Received: 05/26/00

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 05/27/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/09/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

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

CAS NO. COMPOUND Q

51-28-5-----	2,4-Dinitrophenol	25 U
100-02-7-----	4-Nitrophenol	25 U
132-64-9-----	Dibenzofuran	10 U
121-14-2-----	2,4-Dinitrotoluene	10 U
84-66-2-----	Diethylphthalate	2 J
7005-72-3-----	4-Chlorophenyl-phenylether	10 U
86-73-7-----	Fluorene	10 U
100-01-6-----	4-Nitroaniline	25 U
534-52-1-----	4,6-Dinitro-2-methylphenol	25 U
86-30-6-----	N-Nitrosodiphenylamine (1)	2 J
101-55-3-----	4-Bromophenyl-phenylether	10 U
118-74-1-----	Hexachlorobenzene	10 U
87-86-5-----	Pentachlorophenol	25 U
85-01-8-----	Phenanthrene	10 U
120-12-7-----	Anthracene	10 U
86-74-8-----	Carbazole	10 U
84-74-2-----	Di-n-butylphthalate	10 U
206-44-0-----	Fluoranthene	10 U
129-00-0-----	Pyrene	10 U
85-68-7-----	Butylbenzylphthalate	10 U
91-94-1-----	3,3'-Dichlorobenzidine	10 U
56-55-3-----	Benzo (a) anthracene	10 U
218-01-9-----	Chrysene	10 U
117-81-7-----	bis(2-Ethylhexyl) phthalate	10 U
117-84-0-----	Di-n-octylphthalate	10 U
205-99-2-----	Benzo (b) fluoranthene	10 U
207-08-9-----	Benzo (k) fluoranthene	10 U
50-32-8-----	Benzo (a) pyrene	10 U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10 U
53-70-3-----	Dibenzo (a,h) anthracene	10 U
191-24-2-----	Benzo (g,h,i) perylene	10 U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70779

Matrix: (soil/water) WATER

Lab Sample ID: 70779001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5068

Level: (low/med) LOW

Date Received: 05/26/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/27/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 29

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108-67-8	BENZENE, 1,3,5-TRIMETHYL-	8.70	16	NJ
2. 1195-79-5	BICYCLO[2.2.1]HEPTAN-2-ONE,	10.14	10	NJ
3. 78-40-0	TRIETHYL PHOSPHATE	10.41	7	NJ
4. 464-48-2	BICYCLO[2.2.1]HEPTAN-2-ONE,	10.98	7	NJ
5. 6900-81-8	CRINAN, 1,2-DIDEHYDRO-3,11-E	12.50	8	NJ
6. 98-54-4	PHENOL, P-TERT-BUTYL-	12.64	6	NJ
7. 85-44-9	PHTHALIC ANHYDRIDE	13.03	5	NJ
8.	UNKNOWN	13.33	10	J
9. 499-06-9	BENZOIC ACID, 3,5-DIMETHYL-	13.56	16	NJ
10.	UNKNOWN	14.42	11	J
11.	UNKNOWN	14.78	20	J
12.	UNKNOWN	15.58	7	J
13. 134-62-3	DIETHYLTOLUAMIDE	15.89	15	NJ
14.	UNKNOWN	16.15	8	J
15.	UNKNOWN	16.44	12	J
16.	UNKNOWN	16.75	19	J
17. 934-34-9	2(3H)-BENZOTHAZOLONE	17.19	120	NJ
18. 80-39-7	BENZENESULFONAMIDE, N-ETHYL-	17.39	19	NJ
19.	UNKNOWN	17.69	12	J
20.	UNKNOWN	18.56	15	J
21.	UNKNOWN	18.97	10	J
22.	UNKNOWN	20.80	58	J
23. 80-05-7	PHENOL, 4,4'-(1-METHYLETHYL)	21.25	6	NJ
24.	UNKNOWN	22.05	4	J
25.	UNKNOWN	22.14	3	J
26.	UNKNOWN	22.61	13	J
27.	UNKNOWN	24.40	12	J
28.	UNKNOWN	25.62	4	J
29.	UNKNOWN	26.25	3	J
30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW13

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70779

Matrix: (soil/water) WATER

Lab Sample ID: 70779007

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5062

Level: (low/med) LOW

Date Received: 05/26/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/27/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW13

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70779

Matrix: (soil/water) WATER

Lab Sample ID: 70779007

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5062

Level: (low/med) LOW

Date Received: 05/26/00

% Moisture: _____ decanted: (Y/N)____

Date Extracted: 05/27/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW13

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70779

Matrix: (soil/water) WATER

Lab Sample ID: 70779007

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5062

Level: (low/med) LOW

Date Received: 05/26/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 05/27/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 104-76-7	1-HEXANOL, 2-ETHYL-	9.14	2	NJ
2.	UNKNOWN	21.08	3	J
3. 123-95-5	OCTADECANOIC ACID, BUTYL EST	22.54	2	NJ
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
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22.				
23.				
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26.				
27.				
28.				
29.				
30.				

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DUP052500

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70779

Matrix: (soil/water) WATER

Lab Sample ID: 70779002

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E4A1390F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 05/26/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 05/30/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70779

Matrix: (soil/water) WATER

Lab Sample ID: 70779001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E4A1389F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 05/26/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 05/30/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 06/09/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DUP052500

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70779

Matrix (soil/water): WATER Lab Sample ID: 70779002

Level (low/med): MED Date Received: 05/26/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	77.6	B		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	219			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	1.9	B		P
7440-70-2	Calcium	92900			P
7440-47-3	Chromium	5.7	B		P
7440-48-4	Cobalt	0.70	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	72100			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	29100			P
7439-96-5	Manganese	691			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	17.7	B		P
7440-09-7	Potassium	51200			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	12.8			P
7440-23-5	Sodium	106000			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	20.7			P
56-12-5	Cyanide	2.0	U		C

J

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665 8/2/00

Color Before: LT. YELLOW Clarity Before: CLEAR Texture: _____

Color After: LT. YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW09D

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70779

Matrix (soil/water): WATER Lab Sample ID: 70779006

Level (low/med): MED Date Received: 05/26/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	435			P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	79.4	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	110000			P
7440-47-3	Chromium	0.40	U		P
7440-48-4	Cobalt	3.7	B		P
7440-50-8	Copper	11.9	B		P
7439-89-6	Iron	634			P
7439-92-1	Lead	4.2			P
7439-95-4	Magnesium	27100			P
7439-96-5	Manganese	2810			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	25.9	B		P
7440-09-7	Potassium	17200			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	319000			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	42.2	B		P
7440-66-6	Zinc	30.9			P
56-12-5	Cyanide	2.0	U		C

6/6/00

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW09S

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70779

Matrix (soil/water): WATER Lab Sample ID: 70779005

Level (low/med): MED Date Received: 05/26/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	226			P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	7.4	B		P
7440-39-3	Barium	150	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	116000			P
7440-47-3	Chromium	0.40	U		P
7440-48-4	Cobalt	2.4	B		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	1010			P
7439-92-1	Lead	4.9			P
7439-95-4	Magnesium	26200			P
7439-96-5	Manganese	1320			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	25.4	B		P
7440-09-7	Potassium	34100			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	346000			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	41.7	B		P
7440-66-6	Zinc	6.8	B		P
56-12-5	Cyanide	2.0	U		C

665 3/2/00

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW10

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70779

Matrix (soil/water): WATER Lab Sample ID: 70779001

Level (low/med): MED Date Received: 05/26/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	73.0	B		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	206			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	2.0	B		P
7440-70-2	Calcium	87100			P
7440-47-3	Chromium	5.2	B		P
7440-48-4	Cobalt	0.70	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	67900			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	27300			P
7439-96-5	Manganese	645			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	16.6	B		P
7440-09-7	Potassium	47600			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	12.1			P
7440-23-5	Sodium	97800			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	24.0			P
56-12-5	Cyanide	2.0	U		C

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Color After: LT._YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW13

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70779

Matrix (soil/water): WATER Lab Sample ID: 70779007

Level (low/med): MED Date Received: 05/26/00

Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1370			P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	2.0	U		P
7440-39-3	Barium	14.3	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	15900			P
7440-47-3	Chromium	2.2	B		P
7440-48-4	Cobalt	0.75	B		P
7440-50-8	Copper	6.5	B		P
7439-89-6	Iron	1600			P
7439-92-1	Lead	2.2	B		P
7439-95-4	Magnesium	2240	B		P
7439-96-5	Manganese	140			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	2.0	U		P
7440-09-7	Potassium	135	U		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	5.0	U		P
7440-23-5	Sodium	2770	B		P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	3.9	B		P
7440-66-6	Zinc	16.6	B		P
56-12-5	Cyanide	2.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

**Data Validation Report
Mayer Landfill
Blooming Grove, New York
Analytical Laboratory: Mitkem Corporation
Sample Delivery Group 70854**

Analytical results for the SDG's referenced below, from the Mayer Landfill were reviewed to evaluate the data quality. Data were assessed in accordance with the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (10/95) and professional judgement. Where applicable data were validated following the United States Environmental Protection Agency (USEPA) National Functional Guidelines for Organic Data Review (October 1999), the United States Environmental Protection Agency (USEPA) Laboratory Program National Functional Guidelines for Inorganic Data Review (February 1994) and the USEPA Region II Evaluation of Metals Data (January 1992 HW-2 Revision 11).

This validation pertains to the following samples collected by Environmental Resources Management:

SDG 70854 Samples: SW03, SS03, SW04, SS04, SW05 SS05, SW06 SS06, SW03F, SW04F, SW05F, SW06F, SW03 MS, SW03MSD, SW03DUP, SS03MS, SS03MSD, SS03 Dup, SW03FMS, SW03F Dup.

The following items/criteria applicable to the samples listed above were reviewed:

Volatile and Semi-Volatile Data:

- Deliverable Requirements
- Case Narrative
- Holding Times and Sample Preparation
- System Monitoring Compound Recoveries
- Laboratory Control Sample (LCS) Data
- Blank Summary and Data
- GC/MS Tuning and Mass Calibration
- Target Compound Identification/Quantitation
- Quantitation Reports and Mass Spectral Data
- EPA/NIH Mass Spectral Library Search for TICs
- Initial and Continuing Calibration Data
- Internal Standard Areas and Retention Times

Pesticides/PCBs:

- Holding Times
- GC/ECD Instrument Performance Check
- Initial Calibration

- Calibration Verification
- Blanks
- Surrogate Spikes
- Matrix Spikes/Matrix Spike Duplicates
- Laboratory Control Samples/
- Pesticide Cleanup Checks
- Target Compound Identification
- Compound Quantitation and Reported Contract Required Quantitation Limits (CRQLs)

Inorganics:

- Holding Times
- Calibration
- Blanks
- ICP Interference Check Sample
- Laboratory Control Sample
- Duplicate Sample Analysis
- Spike Sample Analysis
- ICP Serial Dilution Analysis
- Graphite Furnace AA (where applicable)
- Field Duplicates

The above items were in compliance with USEPA NYSDEC ASP laboratory QC criteria with the exception of the items discussed in the following text. The data have been validated according to the above procedures.

ORGANIC DATA

VOLATILE DATA

Matrix Spike/Matrix Spike Duplicate Data

The relative percent difference (RPD) values for the matrix spike duplicate analysis of sample SW03 were slightly high. USEPA data validation guidelines specify that qualification of data is not performed based on matrix spike or matrix spike duplicate data, unless other information confirms a need for data qualification. No other data indicates that the data need to be qualified. The RPDs were only slightly above the QC limit and do not significantly affect data quality. Therefore, no data qualification is necessary.

Method Blanks

Methylene chloride and acetone were reported in sample SS06 and in the associated method blank VBLK2D. The reported SS06 methylene chloride and acetone concentrations were less than ten times the VBLK2D values. Consistent with USEPA

data validation guidelines the SS06 methylene chloride and acetone results have been flagged as non-detect at the reported concentration or the CRDL, whichever was higher. Methylene chloride and acetone were also reported in samples SS03, SS04 and SS05 and methylene chloride was detected in the method blank (SBLK2C) associated with these samples. The SS03, SS04 and SS05 reported methylene chloride concentrations were less than ten times the SBLK2C value and therefore, the reported methylene chloride concentration in these samples have been flagged as non-detect at either the reported value or the CRDL, whichever was greater. Acetone was not detected in the SBLK2C method blank. However, as previously noted it was detected in the SBLK2D method blank. Laboratory contamination is a random artifact. The SS03, SS04 and SS05 acetone concentrations were less than ten times the SBLK2D reported acetone value. Although the SS03, SS04 and SS05 samples were not associated with the SBLK2D method blank, the reported sample acetone results are considered suspect. The samples have been flagged with a "S" and the reported acetone concentrations are most likely laboratory derived.

Initial and Continuing Calibration

The relative response factor (RRF) for 1,1,2,2-tetrachloroethane on instrument V6 was below (average RRF 0.271) the QC limit of 0.3. This instrument was used to for the analysis of samples SW03, SW04, SW05 and SW06. However, NYSDEC allows up to two volatile compounds in the initial and continuing calibration to be below the minimum RRF's, provided the average RRF is above 0.01. Therefore, the initial and continuing calibration is considered acceptable and no data were qualified.

SEMIVOLATILE DATA

Matrix Spike/Matrix Spike Duplicate

A matrix spike/matrix spike duplicate was performed on aqueous sample SW03. The matrix spike 4-nitrophenol percent recovery (101%) was slightly above the upper QC limit (80%). The matrix spike duplicate percent recovery for 4-nitrophenol (111%) and 2,4-dinitrotoluene (106%) were slightly above the respective upper QC limits (80% and 96%, respectively). USEPA data validation guidelines specify that qualification of data is not performed based on matrix spike or matrix spike duplicate data, unless other information confirms a need for data qualification. No other data indicates that the data need to be qualified.

Method Blanks

SDG 70843

Bis(2-ethylhexyl)phthalate was reported in samples SS04, SS05 and SS06. However, bis(2-ethylhexyl)phthalate was detected in the method blank (SBLK2F) associated with these samples. The bis(2-ethylhexyl) phthalate concentration reported in samples SS04, SS05 and SS06 were less than ten times the SBLK2F value. Consistent with USEPA data

validation guidelines, the results have been flagged as non-detect at the reporting limit or listed concentration, whichever was higher.

Bis(2-ethyl-hexyl)phthalate was also reported in sample SS03, however it was not detected in the associated method blank (SBLK2L). However, as previously noted it was detected in the SBLK2F method blank. Laboratory contamination is a random artifact. The SS03 bis(2-ethylhexyl)phthalate concentrations was less than ten times the SBLK2F reported value. Although the SS03 was not associated with the SBLK2F method blank, the reported sample SS03 bis(2-ethylhexyl)phthalate concentration is considered suspect. The samples have been flagged with a "S" and the reported concentration is most likely laboratory derived.

Initial Calibration

The initial calibration associated with samples SW03, SW04, SW05 and SW06 exhibited % RSDs for three compounds 4-chlorophenyl-phenyle ether (31.1 %), fluorene (25.7 %) and benzo(a)anthracene (21.6%), that exceeded the NYSDEC QC limit of 20.5%. However, NYSDEC allows up to four compounds to exceed the % RSD, provided that the RSDs are below 40%. Therefore, no data were qualified.

The initial calibration associated with samples SS03, SS04, SS05 and SS06 exhibited % RSDs for two compounds 4-chlorophenyl-phenyle ether (32.6 %) and fluorene (28.0 %) and average RRFs for these two compounds and acenaphthene, that exceeded the NYSDEC QC limits. However, NYSDEC allows up to four compounds to exceed the % RSD and or the average RRF QC criteria provided that the RSDs are below 40% and the average RRF is above 0.01. Therefore, no data were qualified.

Continuing Calibration

The percent difference for pentachlorophenol (25.6%) in the continuing calibrations associated with samples SS04, SS05, SS06, SW03, SW04, SW05 and SW06, exceeded the QC criteria of 25%. However, NYSDEC allows up to four compounds to exceed the continuing calibration percent difference QC criteria, provided the percent difference is less than 40 percent. Therefore, the continuing calibration is considered valid and no data were qualified.

The percent difference for 4-chlorophenyl-phenylether (30.2%) and fluorene (27.4%) in the continuing calibration associated with sample SS03 exceeded the QC criteria of 25%. However, NYSDEC allows up to four compounds to exceed the continuing calibration percent difference QC criteria, provided the percent difference is less than 40 percent. Therefore, the continuing calibration is considered valid and no data were qualified.

PESTICIDE/PCBS

Matrix Spike/ Matrix Spike Duplicate

The SW03 matrix spike percent recovery for endrin (130%) exceeded the QC limit of 121 percent. However, the matrix spike duplicate percent recovery was within QC criteria. The matrix spike duplicate relative percent difference values for gamma-BHC, heptachlor dieldrin and endrin were slightly above the QC criteria. USEPA data validation guidelines specify that qualification of data is not performed based on matrix spike or matrix spike duplicate data, unless other information confirms a need for data qualification. As noted below, the percent RSD for endrin was slightly above QC limits in one of the PEM samples and the endrin results for the affected samples have been flagged with a "J" and qualified as estimated.

Initial Calibration

SDG 70843

The PEM mixture associated with samples SW03, SW03MS, SW03MSD, SW04, SW05, SW06, SS04 and SS05 exhibited a percent RSD for endrin that was slightly above the NYSDEC QC limit of 20 percent on both the DB-5 and DB-608 columns. Although NYSDEC allows up to two single compound target analytes to exceed the 20% limit (provided the %RSD is below 30%), as noted above the matrix spike percent recovery for endrin was also outside the QC limit. Therefore, all endrin results have been flagged with a "J" and are considered estimated but usable.

INORGANICS/WET CHEMISTRY

CRDL Standard

Currently, NYSDEC does not have any control limits for the CRDL standard. However, USEPA Region II has a control limit of 20 percent. The initial and final CRDL standards recovery for silver (51.1, 42.8) were below the lower QC limit of 80%. Following USEPA Region II guidelines sample results with CRDL recoveries less than 50% would be rejected, however, since NYSDEC does not have established QC criteria, and the initial CRDL standard was above 50 percent, all sample silver results, both non-detects and detected values within the affected range have been qualified as estimated and may be biased low. All the qualified data are considered valid and usable.

Serial Dilution

The solid sample SS03 serial dilution results for cadmium (23.2%), chromium (11.4%), nickel (123.7%) and zinc (55.3%) exceeded the QC limit of ten percent. Consistent with USEPA data validation guidelines, all solid sample cadmium, chromium, nickel and zinc results have been flagged with a "J" and are considered estimated. However, the reported data are valid and usable.

Spike Sample and Duplicate Sample Results

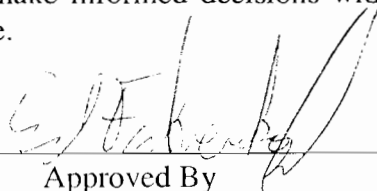
The antimony recovery on the spike analysis performed on sample SS03 (42.8%) was below the lower QC limit of 75 percent. Consistent with USEPA data validation criteria,

all solid sample antimony results have been flagged with a "J" and are considered estimated but usable.

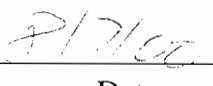
For the duplicate analysis of sample SS03, the laboratory reported RPD for cyanide was 181.2 percent and on the spike analysis the percent recovery for cyanide was reported as -0.2 percent. However, review of the raw data indicates that the duplicate sample was actually the spike sample and the spike sample was actually the duplicate sample. The correct duplicate sample RPD for cyanide was 3.4 percent and the correct spike recovery was 95 percent. Therefore, no qualification of the cyanide data was necessary based on the spike and duplicate analyses.

SUMMARY

The data validation indicated that all data are valid and usable. The data are of sufficient quality to make informed decisions with respect to ground water quality at the Mayer Landfill site.



Approved By
Edward G. Fahrenkopf, Jr.



Date

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS03

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854002

Sample wt/vol: 6.1 (g/mL) G

Lab File ID: V2D1317

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: not dec. 25

Date Analyzed: 06/17/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

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

74-87-3-----	Chloromethane	11	U
74-83-9-----	Bromomethane	11	U
75-01-4-----	Vinyl Chloride	11	U
75-00-3-----	Chloroethane	11	U
75-09-2-----	Methylene Chloride	3 JB	11/11
67-64-1-----	Acetone	4 JS	
75-15-0-----	Carbon Disulfide	11	U
75-35-4-----	1,1-Dichloroethene	11	U
75-34-3-----	1,1-Dichloroethane	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
67-66-3-----	Chloroform	11	U
107-06-2-----	1,2-Dichloroethane	11	U
78-93-3-----	2-Butanone	11	U
71-55-6-----	1,1,1-Trichloroethane	11	U
56-23-5-----	Carbon Tetrachloride	11	U
75-27-4-----	Bromodichloromethane	11	U
78-87-5-----	1,2-Dichloropropane	11	U
10061-01-5-----	cis-1,3-Dichloropropene	11	U
79-01-6-----	Trichloroethene	11	U
124-48-1-----	Dibromochloromethane	11	U
79-00-5-----	1,1,2-Trichloroethane	11	U
71-43-2-----	Benzene	11	U
10061-02-6-----	trans-1,3-Dichloropropene	11	U
75-25-2-----	Bromoform	11	U
108-10-1-----	4-Methyl-2-Pentanone	11	U
591-78-6-----	2-Hexanone	11	U
127-18-4-----	Tetrachloroethene	11	U
79-34-5-----	1,1,2,2-Tetrachloroethane	11	U
108-88-3-----	Toluene	11	U
108-90-7-----	Chlorobenzene	11	U
100-41-4-----	Ethylbenzene	11	U
100-42-5-----	Styrene	11	U
1330-20-7-----	Xylene (Total)	11	U

665
2/4/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS03

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854002

Sample wt/vol: 6.1 (g/mL) G

Lab File ID: V2D1317

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: not dec. 25

Date Analyzed: 06/17/00

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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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS04

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854004

Sample wt/vol: 5.7 (g/mL) G

Lab File ID: V2D1320

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: not dec. 38

Date Analyzed: 06/17/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene Chloride	5	JB 14/11
67-64-1	Acetone	16	S
75-15-0	Carbon Disulfide	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
540-59-0	1,2-Dichloroethene (Total)	14	U
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	2-Butanone	14	U
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon Tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-88-3	Toluene	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
100-42-5	Styrene	14	U
1330-20-7	Xylene (Total)	14	U

act
8/17/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS04

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854004

Sample wt/vol: 5.7 (g/mL) G

Lab File ID: V2D1320

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: not dec. 38

Date Analyzed: 06/17/00

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.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS05

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854006

Sample wt/vol: 5.9 (g/mL) G

Lab File ID: V2D1321

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: not dec. 38

Date Analyzed: 06/17/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

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

74-87-3-----	Chloromethane	14	U
74-83-9-----	Bromomethane	14	U
75-01-4-----	Vinyl Chloride	14	U
75-00-3-----	Chloroethane	14	U
75-09-2-----	Methylene Chloride	4	JB 14.1
67-64-1-----	Acetone	7	J S
75-15-0-----	Carbon Disulfide	14	U
75-35-4-----	1,1-Dichloroethene	14	U
75-34-3-----	1,1-Dichloroethane	14	U
540-59-0-----	1,2-Dichloroethene (Total)	14	U
67-66-3-----	Chloroform	14	U
107-06-2-----	1,2-Dichloroethane	14	U
78-93-3-----	2-Butanone	3	J
71-55-6-----	1,1,1-Trichloroethane	14	U
56-23-5-----	Carbon Tetrachloride	14	U
75-27-4-----	Bromodichloromethane	14	U
78-87-5-----	1,2-Dichloropropane	14	U
10061-01-5-----	cis-1,3-Dichloropropene	14	U
79-01-6-----	Trichloroethene	14	U
124-48-1-----	Dibromochloromethane	14	U
79-00-5-----	1,1,2-Trichloroethane	14	U
71-43-2-----	Benzene	14	U
10061-02-6-----	trans-1,3-Dichloropropene	14	U
75-25-2-----	Bromoform	14	U
108-10-1-----	4-Methyl-2-Pentanone	14	U
591-78-6-----	2-Hexanone	14	U
127-18-4-----	Tetrachloroethene	14	U
79-34-5-----	1,1,2,2-Tetrachloroethane	14	U
108-88-3-----	Toluene	14	U
108-90-7-----	Chlorobenzene	14	U
100-41-4-----	Ethylbenzene	14	U
100-42-5-----	Styrene	14	U
1330-20-7-----	Xylene (Total)	14	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS05

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854006

Sample wt/vol: 5.9 (g/mL) G

Lab File ID: V2D1321

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: not dec. 38

Date Analyzed: 06/17/00

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.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS06

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854008

Sample wt/vol: 5.6 (g/mL) G

Lab File ID: V2D1365

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: not dec. 63

Date Analyzed: 06/19/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

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

74-87-3-----	Chloromethane	24	U
74-83-9-----	Bromomethane	24	U
75-01-4-----	Vinyl Chloride	24	U
75-00-3-----	Chloroethane	24	U
75-09-2-----	Methylene Chloride	4	JB 24 uL
67-64-1-----	Acetone	14	JB 24 uL
75-15-0-----	Carbon Disulfide	24	U
75-35-4-----	1,1-Dichloroethene	24	U
75-34-3-----	1,1-Dichloroethane	24	U
540-59-0-----	1,2-Dichloroethene (Total)	24	U
67-66-3-----	Chloroform	24	U
107-06-2-----	1,2-Dichloroethane	24	U
78-93-3-----	2-Butanone	24	U
71-55-6-----	1,1,1-Trichloroethane	24	U
56-23-5-----	Carbon Tetrachloride	24	U
75-27-4-----	Bromodichloromethane	24	U
78-87-5-----	1,2-Dichloropropane	24	U
10061-01-5-----	cis-1,3-Dichloropropene	24	U
79-01-6-----	Trichloroethene	24	U
124-48-1-----	Dibromochloromethane	24	U
79-00-5-----	1,1,2-Trichloroethane	24	U
71-43-2-----	Benzene	24	U
10061-02-6-----	trans-1,3-Dichloropropene	24	U
75-25-2-----	Bromoform	24	U
108-10-1-----	4-Methyl-2-Pentanone	24	U
591-78-6-----	2-Hexanone	24	U
127-18-4-----	Tetrachloroethene	24	U
79-34-5-----	1,1,2,2-Tetrachloroethane	24	U
108-88-3-----	Toluene	24	U
108-90-7-----	Chlorobenzene	24	U
100-41-4-----	Ethylbenzene	24	U
100-42-5-----	Styrene	24	U
1330-20-7-----	Xylene (Total)	24	U

8/17/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS06

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854008

Sample wt/vol: 5.6 (g/mL) G

Lab File ID: V2D1365

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: not dec. 63

Date Analyzed: 06/19/00

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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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW03

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854001

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A4998

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: not dec. _____

Date Analyzed: 06/15/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW03

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854001

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A4998

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: not dec. _____

Date Analyzed: 06/15/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

SW04

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854003

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A4999

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: not dec. _____

Date Analyzed: 06/15/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW04

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854003

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A4999

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: not dec. _____

Date Analyzed: 06/15/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

SW05

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854005

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A5000

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: not dec. _____

Date Analyzed: 06/15/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW05

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854005

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A5000

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: not dec. _____

Date Analyzed: 06/15/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW06

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854007

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A5001

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: not dec. _____

Date Analyzed: 06/15/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW06

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854007

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A5001

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: not dec. _____

Date Analyzed: 06/15/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS03

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854002

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S2B5178

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: 28

decanted: (Y/N) N

Date Extracted: 06/13/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/23/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.0

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

108-95-2-----	Phenol	270	J
111-44-4-----	bis(-2-Chloroethyl) Ether	450	U
95-57-8-----	2-Chlorophenol	450	U
541-73-1-----	1,3-Dichlorobenzene	450	U
106-46-7-----	1,4-Dichlorobenzene	450	U
95-50-1-----	1,2-Dichlorobenzene	450	U
95-48-7-----	2-Methylphenol	450	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	450	U
106-44-5-----	4-Methylphenol	450	U
621-64-7-----	N-Nitroso-di-n-propylamine	450	U
67-72-1-----	Hexachloroethane	450	U
98-95-3-----	Nitrobenzene	450	U
78-59-1-----	Isophorone	450	U
88-75-5-----	2-Nitrophenol	450	U
105-67-9-----	2,4-Dimethyphenol	450	U
120-83-2-----	2,4-Dichlorophenol	450	U
120-82-1-----	1,2,4-Trichlorobenzene	450	U
91-20-3-----	Naphthalene	450	U
106-47-8-----	4-Chloroaniline	450	U
111-91-1-----	bis(2-Chloroethoxy) methane	450	U
87-68-3-----	Hexachlorobutadiene	450	U
59-50-7-----	4-Chloro-3-methylphenol	450	U
91-57-6-----	2-Methylnaphthalene	450	U
77-47-4-----	Hexachlorocyclopentadiene	450	U
88-06-2-----	2,4,6-Trichlorophenol	450	U
95-95-4-----	2,4,5-Trichlorophenol	1100	U
91-58-7-----	2-Chloronaphthalene	450	U
88-74-4-----	2-Nitroaniline	1100	U
131-11-3-----	Dimethylphthalate	450	U
208-96-8-----	Acenaphthylene	450	U
606-20-2-----	2,6-Dinitrotoluene	450	U
99-09-2-----	3-Nitroaniline	1100	U
83-32-9-----	Acenaphthene	450	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS03

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854002

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S2B5178

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: 28 decanted: (Y/N) N

Date Extracted: 06/13/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/23/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

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

51-28-5-----	2,4-Dinitrophenol	1100	U
100-02-7-----	4-Nitrophenol	1100	U
132-64-9-----	Dibenzofuran	450	U
121-14-2-----	2,4-Dinitrotoluene	450	U
84-66-2-----	Diethylphthalate	450	U
7005-72-3-----	4-Chlorophenyl-phenylether	450	U
86-73-7-----	Fluorene	450	U
100-01-6-----	4-Nitroaniline	1100	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	450	U
101-55-3-----	4-Bromophenyl-phenylether	450	U
118-74-1-----	Hexachlorobenzene	450	U
87-86-5-----	Pentachlorophenol	1100	U
85-01-8-----	Phenanthrene	450	U
120-12-7-----	Anthracene	450	U
86-74-8-----	Carbazole	450	U
84-74-2-----	Di-n-butylphthalate	450	U
206-44-0-----	Fluoranthene	450	U
129-00-0-----	Pyrene	450	U
85-68-7-----	Butylbenzylphthalate	450	U
91-94-1-----	3,3'-Dichlorobenzidine	450	U
56-55-3-----	Benzo(a)anthracene	450	U
218-01-9-----	Chrysene	450	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	220	JS
117-84-0-----	Di-n-octylphthalate	450	U
205-99-2-----	Benzo(b)fluoranthene	450	U
207-08-9-----	Benzo(k)fluoranthene	450	U
50-32-8-----	Benzo(a)pyrene	450	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	450	U
53-70-3-----	Dibenzo(a,h)anthracene	450	U
191-24-2-----	Benzo(g,h,i)perylene	450	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS03

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854002

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: S2B5178

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: 28 decanted: (Y/N) N

Date Extracted: 06/13/00

Concentrated Extract Volume: 500(uL)

Date Analyzed: 06/23/00

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

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

Number TICs found: 27

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.20	180	JB
2.	UNKNOWN	5.07	450	JB
3.	UNKNOWN	5.15	350	JB
4.	UNKNOWN	5.48	2400	JB
5. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	5.94	16000	ANJB
6.	UNKNOWN	5.98	150	JB
7.	UNKNOWN ALDOL CONDENSATE	7.06	2000	AJ
8.	UNKNOWN	7.14	310	JB
9.	UNKNOWN	7.77	290	J
10.	UNKNOWN	8.13	130	JB
11.	UNKNOWN	8.42	120	JB
12.	UNKNOWN	9.88	210	J
13.	UNKNOWN	10.68	100	J
14.	UNKNOWN	12.70	100	J
15. 2091-29-4	9-HEXADECENOIC ACID	18.69	320	NJ
16. 109-29-5	OXACYCLOHEPTADECAN-2-ONE	18.76	450	NJ
17. 57-10-3	HEXADECANOIC ACID	18.83	360	NJ
18. 638-66-4	OCTADECANAL	21.69	160	NJ
19. 629-80-1	HEXADECANAL	22.40	160	NJ
20. 629-62-9	PENTADECANE	22.84	160	NJ
21. 629-80-1	HEXADECANAL	23.76	300	NJ
22. 629-78-7	HEPTADECANE	24.21	500	NJ
23.	UNKNOWN	24.96	760	J
24. 638-66-4	OCTADECANAL	25.41	390	NJ
25. 593-45-3	OCTADECANE	25.98	1000	NJ
26. 56554-86-0	17-OCTADECENAL	27.70	340	NJ
27. 54833-23-7	EICOSANE, 10-METHYL-	28.48	1300	NJ
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS04

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854004

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S2B5164

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: 30 decanted: (Y/N) N

Date Extracted: 06/12/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/22/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

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

108-95-2-----	Phenol	470	U
111-44-4-----	bis(-2-Chloroethyl) Ether	470	U
95-57-8-----	2-Chlorophenol	470	U
541-73-1-----	1,3-Dichlorobenzene	470	U
106-46-7-----	1,4-Dichlorobenzene	470	U
95-50-1-----	1,2-Dichlorobenzene	470	U
95-48-7-----	2-Methylphenol	470	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	470	U
106-44-5-----	4-Methylphenol	470	U
621-64-7-----	N-Nitroso-di-n-propylamine	470	U
67-72-1-----	Hexachloroethane	470	U
98-95-3-----	Nitrobenzene	470	U
78-59-1-----	Isophorone	470	U
88-75-5-----	2-Nitrophenol	470	U
105-67-9-----	2,4-Dimethylphenol	470	U
120-83-2-----	2,4-Dichlorophenol	470	U
120-82-1-----	1,2,4-Trichlorobenzene	470	U
91-20-3-----	Naphthalene	470	U
106-47-8-----	4-Chloroaniline	470	U
111-91-1-----	bis(2-Chloroethoxy) methane	470	U
87-68-3-----	Hexachlorobutadiene	470	U
59-50-7-----	4-Chloro-3-methylphenol	470	U
91-57-6-----	2-Methylnaphthalene	470	U
77-47-4-----	Hexachlorocyclopentadiene	470	U
88-06-2-----	2,4,6-Trichlorophenol	470	U
95-95-4-----	2,4,5-Trichlorophenol	1200	U
91-58-7-----	2-Chloronaphthalene	470	U
88-74-4-----	2-Nitroaniline	1200	U
131-11-3-----	Dimethylphthalate	470	U
208-96-8-----	Acenaphthylene	470	U
606-20-2-----	2,6-Dinitrotoluene	470	U
99-09-2-----	3-Nitroaniline	1200	U
83-32-9-----	Acenaphthene	470	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS04

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854004

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S2B5164

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: 30 decanted: (Y/N) N

Date Extracted: 06/12/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/22/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

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

51-28-5-----2,4-Dinitrophenol	1200	U
100-02-7-----4-Nitrophenol	1200	U
132-64-9-----Dibenzofuran	470	U
121-14-2-----2,4-Dinitrotoluene	470	U
84-66-2-----Diethylphthalate	470	U
7005-72-3-----4-Chlorophenyl-phenylether	470	U
86-73-7-----Fluorene	470	U
100-01-6-----4-Nitroaniline	1200	U
534-52-1-----4,6-Dinitro-2-methylphenol	1200	U
86-30-6-----N-Nitrosodiphenylamine (1)	470	U
101-55-3-----4-Bromophenyl-phenylether	470	U
118-74-1-----Hexachlorobenzene	470	U
87-86-5-----Pentachlorophenol	1200	U
85-01-8-----Phenanthrene	56	J
120-12-7-----Anthracene	470	U
86-74-8-----Carbazole	470	U
84-74-2-----Di-n-butylphthalate	470	U
206-44-0-----Fluoranthene	210	J
129-00-0-----Pyrene	140	J
85-68-7-----Butylbenzylphthalate	470	U
91-94-1-----3,3'-Dichlorobenzidine	470	U
56-55-3-----Benzo(a)anthracene	83	J
218-01-9-----Chrysene	85	J
117-81-7-----bis(2-Ethylhexyl)phthalate	150	J
117-84-0-----Di-n-octylphthalate	470	U
205-99-2-----Benzo(b)fluoranthene	150	J
207-08-9-----Benzo(k)fluoranthene	51	J
50-32-8-----Benzo(a)pyrene	89	J
193-39-5-----Indeno(1,2,3-cd)pyrene	53	J
53-70-3-----Dibenzo(a,h)anthracene	470	U
191-24-2-----Benzo(g,h,i)perylene	48	J

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS04

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854004

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S2B5164

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: 30 decanted: (Y/N) N

Date Extracted: 06/12/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/22/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 7.4

CONCENTRATION UNITS:

Number TICs found: 29

(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.15	460	J
2. ~~141-79-7~~	~~3-PENTEN-2-ONE, 4-METHYL-~~	~~5.22~~	~~470~~	~~ANJB~~
3.	UNKNOWN	5.57	2400	JB
4. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	6.04	15000	ANJB
5. 3744-02-3	4-PENTEN-2-ONE, 4-METHYL-	7.15	1800	ANJ
6. 65-85-0	BENZOIC ACID	10.87	1800	NJ
7.	UNKNOWN	11.39	790	J
8. 84-65-1	9,10-ANTHRACENEDIONE	19.45	180	NJ
9.	UNKNOWN	19.80	480	JB
10. 55045-08-4	DODECANE, 2-METHYL-6-PROPYL-	21.54	120	NJ
11.	UNKNOWN	21.98	150	J
12. 123-95-5	OCTADECANOIC ACID, BUTYL EST	22.15	130	NJ
13. 593-45-3	OCTADECANE	22.25	210	NJ
14.	UNKNOWN	22.55	230	J
15. 54833-23-7	EICOSANE, 10-METHYL-	22.93	300	NJ
16.	UNKNOWN	23.05	1000	J
17.	UNKNOWN	23.40	120	J
18. 629-94-7	HENEICOSANE	23.59	140	NJ
19.	UNKNOWN	23.72	460	J
20. 56554-86-0	17-OCTADECENAL	23.86	350	NJ
21. 112-95-8	EICOSANE	24.31	990	NJ
22. 629-54-9	HEXADECANAMIDE	25.10	2200	NJ
23. 56554-90-6	13-OCTADECENAL	25.55	220	NJ
24. 7225-64-1	HEPTADECANE, 9-OCTYL-	26.15	2500	NJ
25. 629-94-7	HENEICOSANE	27.28	380	NJ
26. 124-25-4	TETRADECANAL	27.89	330	NJ
27. 112-95-8	EICOSANE	28.70	2600	NJ
28. 0-00-0	2-PENTACOSANONE	29.05	1400	NJ
29. 646-31-1	TETRACOSANE	32.42	450	NJ
30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS05

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854006

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S2B5165

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: 30

decanted: (Y/N) N

Date Extracted: 06/12/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/22/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.3

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

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	470	U
111-44-4-----	bis(-2-Chloroethyl) Ether	470	U
95-57-8-----	2-Chlorophenol	470	U
541-73-1-----	1,3-Dichlorobenzene	470	U
106-46-7-----	1,4-Dichlorobenzene	470	U
95-50-1-----	1,2-Dichlorobenzene	470	U
95-48-7-----	2-Methylphenol	470	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	470	U
106-44-5-----	4-Methylphenol	470	U
621-64-7-----	N-Nitroso-di-n-propylamine	470	U
67-72-1-----	Hexachloroethane	470	U
98-95-3-----	Nitrobenzene	470	U
78-59-1-----	Isophorone	470	U
88-75-5-----	2-Nitrophenol	470	U
105-67-9-----	2,4-Dimethylphenol	470	U
120-83-2-----	2,4-Dichlorophenol	470	U
120-82-1-----	1,2,4-Trichlorobenzene	470	U
91-20-3-----	Naphthalene	470	U
106-47-8-----	4-Chloroaniline	470	U
111-91-1-----	bis(2-Chloroethoxy)methane	470	U
87-68-3-----	Hexachlorobutadiene	470	U
59-50-7-----	4-Chloro-3-methylphenol	470	U
91-57-6-----	2-Methylnaphthalene	470	U
77-47-4-----	Hexachlorocyclopentadiene	470	U
88-06-2-----	2,4,6-Trichlorophenol	470	U
95-95-4-----	2,4,5-Trichlorophenol	1200	U
91-58-7-----	2-Chloronaphthalene	470	U
88-74-4-----	2-Nitroaniline	1200	U
131-11-3-----	Dimethylphthalate	470	U
208-96-8-----	Acenaphthylene	470	U
606-20-2-----	2,6-Dinitrotoluene	470	U
99-09-2-----	3-Nitroaniline	1200	U
83-32-9-----	Acenaphthene	470	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS05

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854006

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S2B5165

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: 30 decanted: (Y/N) N

Date Extracted: 06/12/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/22/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	1200	U
100-02-7-----	4-Nitrophenol	1200	U
132-64-9-----	Dibenzofuran	470	U
121-14-2-----	2,4-Dinitrotoluene	470	U
84-66-2-----	Diethylphthalate	470	U
7005-72-3-----	4-Chlorophenyl-phenylether	470	U
86-73-7-----	Fluorene	470	U
100-01-6-----	4-Nitroaniline	1200	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1200	U
86-30-6-----	N-Nitrosodiphenylamine (1)	470	U
101-55-3-----	4-Bromophenyl-phenylether	470	U
118-74-1-----	Hexachlorobenzene	470	U
87-86-5-----	Pentachlorophenol	1200	U
85-01-8-----	Phenanthrene	470	U
120-12-7-----	Anthracene	470	U
86-74-8-----	Carbazole	470	U
84-74-2-----	Di-n-butylphthalate	470	U
206-44-0-----	Fluoranthene	470	U
129-00-0-----	Pyrene	470	U
85-68-7-----	Butylbenzylphthalate	470	U
91-94-1-----	3,3'-Dichlorobenzidine	470	U
56-55-3-----	Benzo(a)anthracene	470	U
218-01-9-----	Chrysene	470	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	98	JB
117-84-0-----	Di-n-octylphthalate	470	U
205-99-2-----	Benzo(b)fluoranthene	470	U
207-08-9-----	Benzo(k)fluoranthene	470	U
50-32-8-----	Benzo(a)pyrene	470	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	470	U
53-70-3-----	Dibenzo(a,h)anthracene	470	U
191-24-2-----	Benzo(g,h,i)perylene	470	U

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

Handwritten: 470 U
5/4/00

0-13

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS05

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854006

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S2B5165

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: 30 decanted: (Y/N) N

Date Extracted: 06/12/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/22/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.3

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS06

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854008

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S2B5166

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: 50 decanted: (Y/N) N

Date Extracted: 06/12/00

Concentrated Extract Volume: 500(uL)

Date Analyzed: 06/22/00

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

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

108-95-2-----	Phenol	660	U
111-44-4-----	bis(-2-Chloroethyl) Ether	660	U
95-57-8-----	2-Chlorophenol	660	U
541-73-1-----	1,3-Dichlorobenzene	660	U
106-46-7-----	1,4-Dichlorobenzene	660	U
95-50-1-----	1,2-Dichlorobenzene	660	U
95-48-7-----	2-Methylphenol	660	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	660	U
106-44-5-----	4-Methylphenol	660	U
621-64-7-----	N-Nitroso-di-n-propylamine	660	U
67-72-1-----	Hexachloroethane	660	U
98-95-3-----	Nitrobenzene	660	U
78-59-1-----	Isophorone	660	U
88-75-5-----	2-Nitrophenol	660	U
105-67-9-----	2,4-Dimethylphenol	660	U
120-83-2-----	2,4-Dichlorophenol	660	U
120-82-1-----	1,2,4-Trichlorobenzene	660	U
91-20-3-----	Naphthalene	660	U
106-47-8-----	4-Chloroaniline	660	U
111-91-1-----	bis(2-Chloroethoxy) methane	660	U
87-68-3-----	Hexachlorobutadiene	660	U
59-50-7-----	4-Chloro-3-methylphenol	660	U
91-57-6-----	2-Methylnaphthalene	660	U
77-47-4-----	Hexachlorocyclopentadiene	660	U
88-06-2-----	2,4,6-Trichlorophenol	660	U
95-95-4-----	2,4,5-Trichlorophenol	1600	U
91-58-7-----	2-Chloronaphthalene	660	U
88-74-4-----	2-Nitroaniline	1600	U
131-11-3-----	Dimethylphthalate	660	U
208-96-8-----	Acenaphthylene	660	U
606-20-2-----	2,6-Dinitrotoluene	660	U
99-09-2-----	3-Nitroaniline	1600	U
83-32-9-----	Acenaphthene	660	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS06

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854008

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S2B5166

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: 50 decanted: (Y/N) N

Date Extracted: 06/12/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/22/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

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

CAS NO.	COMPOUND	Q
51-28-5	2,4-Dinitrophenol	1600 U
100-02-7	4-Nitrophenol	1600 U
132-64-9	Dibenzofuran	660 U
121-14-2	2,4-Dinitrotoluene	660 U
84-66-2	Diethylphthalate	660 U
7005-72-3	4-Chlorophenyl-phenylether	660 U
86-73-7	Fluorene	660 U
100-01-6	4-Nitroaniline	1600 U
534-52-1	4,6-Dinitro-2-methylphenol	1600 U
86-30-6	N-Nitrosodiphenylamine (1)	660 U
101-55-3	4-Bromophenyl-phenylether	660 U
118-74-1	Hexachlorobenzene	660 U
87-86-5	Pentachlorophenol	1600 U
85-01-8	Phenanthrene	660 U
120-12-7	Anthracene	660 U
86-74-8	Carbazole	660 U
84-74-2	Di-n-butylphthalate	660 U
206-44-0	Fluoranthene	660 U
129-00-0	Pyrene	660 U
85-68-7	Butylbenzylphthalate	660 U
91-94-1	3,3'-Dichlorobenzidine	660 U
56-55-3	Benzo(a)anthracene	660 U
218-01-9	Chrysene	660 U
117-81-7	bis(2-Ethylhexyl)phthalate	140 BJ <i>CCM</i>
117-84-0	Di-n-octylphthalate	660 U
205-99-2	Benzo(b)fluoranthene	660 U
207-08-9	Benzo(k)fluoranthene	660 U
50-32-8	Benzo(a)pyrene	660 U
193-39-5	Indeno(1,2,3-cd)pyrene	660 U
53-70-3	Dibenzo(a,h)anthracene	660 U
191-24-2	Benzo(g,h,i)perylene	660 U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS06

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854008

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S2B5166

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: 50 decanted: (Y/N) N

Date Extracted: 06/12/00

Concentrated Extract Volume: 500(uL)

Date Analyzed: 06/22/00

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.5

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

Number TICs found: 27

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.01	260	J
2.	UNKNOWN	4.54	220	JB
3.	UNKNOWN	5.14	430	J
4. 141-79-7	3-PENTEN-2-ONE, 4-METHYL-	5.21	920	ANJB
5.	UNKNOWN	5.55	2900	JB
6. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	6.02	21000	ANJB
7. 4359-77-7	2-PENTANONE, 3-METHYLENE-	6.21	170	ANJ
8. 3744-02-3	4-PENTEN-2-ONE, 4-METHYL-	7.14	2100	ANJ
9.	UNKNOWN	7.93	170	J
10. 640-61-9	BENZENESULFONAMIDE, N,4-DIME	16.63	1700	NJ
11.	UNKNOWN	17.19	200	JB
12.	UNKNOWN	17.86	230	JB
13. 2091-29-4	9-HEXADECENOIC ACID	18.75	150	NJ
14. 57-10-3	HEXADECANOIC ACID	18.90	580	NJ
15. 112-95-8	EICOSANE	20.04	210	NJ
16. 112-95-8	EICOSANE	20.80	410	NJ
17. 112-95-8	EICOSANE	21.54	520	NJ
18. 544-76-3	HEXADECANE	22.24	200	NJ
19. 112-95-8	EICOSANE	22.93	630	NJ
20. 295-48-7	CYCLOPENTADECANE	23.41	200	NJ
21.	UNKNOWN	24.16	500	J
22. 54833-23-7	EICOSANE, 10-METHYL-	24.31	1700	NJ
23. 295-48-7	CYCLOPENTADECANE	24.88	300	NJ
24.	UNKNOWN	25.10	1700	JB
25. 630-06-8	HEXATRIACONTANE	26.14	2000	NJ
26.	UNKNOWN	28.20	270	J
27. 13475-75-7	PENTADECANE, 8-HEXYL-	28.71	1800	NJ
28.				
29.				
30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW03

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5089

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/11/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/14/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

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

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW03

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5089

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/11/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/14/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

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

CAS NO.	COMPOUND	Q
51-28-5-----	2,4-Dinitrophenol	25 U
100-02-7-----	4-Nitrophenol	25 U
132-64-9-----	Dibenzofuran	10 U
121-14-2-----	2,4-Dinitrotoluene	10 U
84-66-2-----	Diethylphthalate	10 U
7005-72-3-----	4-Chlorophenyl-phenylether	10 U
86-73-7-----	Fluorene	10 U
100-01-6-----	4-Nitroaniline	25 U
534-52-1-----	4,6-Dinitro-2-methylphenol	25 U
86-30-6-----	N-Nitrosodiphenylamine (1)	10 U
101-55-3-----	4-Bromophenyl-phenylether	10 U
118-74-1-----	Hexachlorobenzene	10 U
87-86-5-----	Pentachlorophenol	25 U
85-01-8-----	Phenanthrene	10 U
120-12-7-----	Anthracene	10 U
86-74-8-----	Carbazole	10 U
84-74-2-----	Di-n-butylphthalate	10 U
206-44-0-----	Fluoranthene	10 U
129-00-0-----	Pyrene	10 U
85-68-7-----	Butylbenzylphthalate	10 U
91-94-1-----	3,3'-Dichlorobenzidine	10 U
56-55-3-----	Benzo(a)anthracene	10 U
218-01-9-----	Chrysene	10 U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10 U
117-84-0-----	Di-n-octylphthalate	10 U
205-99-2-----	Benzo(b)fluoranthene	10 U
207-08-9-----	Benzo(k)fluoranthene	10 U
50-32-8-----	Benzo(a)pyrene	10 U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10 U
53-70-3-----	Dibenzo(a,h)anthracene	10 U
191-24-2-----	Benzo(g,h,i)perylene	10 U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW03

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5089

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/11/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/14/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

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

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 111-90-0	ETHANOL, 2-(2-ETHOXYETHOXY) -	8.59	3	NJ
2. 630-07-9	PENTATRIACONTANE	25.52	3	NJ
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW04

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5092

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/11/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/14/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW04

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5092

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/11/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/14/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW04

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5092

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/11/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/14/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

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

Number TICs found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 111-90-0	ETHANOL, 2-(2-ETHOXYETHOXY) -	8.60	3	NJ
2. 112-95-8	EICOSANE	23.17	4	NJ
3. 629-59-4	TETRADECANE	23.87	3	NJ
4.	UNKNOWN ALKANE	25.52	2	J
5.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW05

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5093

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/11/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/14/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

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

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW05

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5093

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/11/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/14/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
			Q
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW05

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5093

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/11/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/14/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

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

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 111-90-0	ETHANOL, 2-(2-ETHOXYETHOXY) -	8.60	5	NJ
2.	UNKNOWN	20.44	2	J
3.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW06

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854007

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5094

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/11/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/14/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW06

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854007

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5094

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/11/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/14/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW06

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854007

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5094

Level: (low/med) LOW

Date Received: 06/09/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/11/00

Concentrated Extract Volume: 1000(uL)

Date Analyzed: 06/14/00

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.60	3	J
2.	UNKNOWN	20.43	2	J
3.	UNKNOWN	22.56	2	J
4. 7098-22-8	TETRATETRACONTANE	25.52	2	NJ
5.	UNKNOWN ALKANE	27.80	2	J
6.				
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS03

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854002

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: E4A1800F

% Moisture: 25 decanted: (Y/N) N

Date Received: 06/09/00

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 06/13/00

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/28/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

Sulfur Cleanup: (Y/N) Y

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

CAS NO.	COMPOUND	Q
319-84-6	alpha-BHC	2.2 U
319-85-7	beta-BHC	2.2 U
319-86-8	delta-BHC	2.2 U
58-89-9	gamma-BHC (Lindane)	2.2 U
76-44-8	Heptachlor	2.2 U
309-00-2	Aldrin	2.2 U
1024-57-3	Heptachlor epoxide	2.2 U
959-98-8	Endosulfan I	2.2 U
60-57-1	Dieldrin	4.3 U
72-55-9	4,4'-DDE	4.3 U
72-20-8	Endrin	4.3 U
33213-65-9	Endosulfan II	4.3 U
72-54-8	4,4'-DDD	4.3 U
1031-07-8	Endosulfan sulfate	4.3 U
50-29-3	4,4'-DDT	4.3 U
72-43-5	Methoxychlor	22 U
53494-70-5	Endrin ketone	4.3 U
7421-93-4	Endrin aldehyde	4.3 U
5103-71-9	alpha-Chlordane	2.2 U
5103-74-2	gamma-Chlordane	2.2 U
8001-35-2	Toxaphene	220 U
12674-11-2	Aroclor-1016	43 U
11104-28-2	Aroclor-1221	88 U
11141-16-5	Aroclor-1232	43 U
53469-21-9	Aroclor-1242	43 U
12672-29-6	Aroclor-1248	43 U
11097-69-1	Aroclor-1254	43 U
11096-82-5	Aroclor-1260	43 U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS04

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854004

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: E4A1680F

% Moisture: 30 decanted: (Y/N) N

Date Received: 06/09/00

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 06/10/00

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/22/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.8

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	2.4	U
319-85-7-----	beta-BHC	2.4	U
319-86-8-----	delta-BHC	2.4	U
58-89-9-----	gamma-BHC (Lindane)	2.4	U
76-44-8-----	Heptachlor	2.4	U
309-00-2-----	Aldrin	2.4	U
1024-57-3-----	Heptachlor epoxide	2.4	U
959-98-8-----	Endosulfan I	2.4	U
60-57-1-----	Dieldrin	4.7	U
72-55-9-----	4,4'-DDE	4.7	U
72-20-8-----	Endrin	4.7	UJ
33213-65-9-----	Endosulfan II	4.7	U
72-54-8-----	4,4'-DDD	4.7	U
1031-07-8-----	Endosulfan sulfate	4.7	U
50-29-3-----	4,4'-DDT	4.7	U
72-43-5-----	Methoxychlor	24	U
53494-70-5-----	Endrin ketone	4.7	U
7421-93-4-----	Endrin aldehyde	4.7	U
5103-71-9-----	alpha-Chlordane	2.4	U
5103-74-2-----	gamma-Chlordane	2.4	U
8001-35-2-----	Toxaphene	240	U
12674-11-2-----	Aroclor-1016	47	U
11104-28-2-----	Aroclor-1221	95	U
11141-16-5-----	Aroclor-1232	47	U
53469-21-9-----	Aroclor-1242	47	U
12672-29-6-----	Aroclor-1248	47	U
11097-69-1-----	Aroclor-1254	47	U
11096-82-5-----	Aroclor-1260	47	U

GF
9/7/00

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS05

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854006

Sample wt/vol: 30.6 (g/mL) G

Lab File ID: E4A1681F

% Moisture: 30 decanted: (Y/N) N

Date Received: 06/09/00

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 06/10/00

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/22/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.1

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	2.4	U
319-85-7-----	beta-BHC	2.4	U
319-86-8-----	delta-BHC	2.4	U
58-89-9-----	gamma-BHC (Lindane)	2.4	U
76-44-8-----	Heptachlor	2.4	U
309-00-2-----	Aldrin	2.4	U
1024-57-3-----	Heptachlor epoxide	2.4	U
959-98-8-----	Endosulfan I	2.4	U
60-57-1-----	Dieldrin	4.6	U
72-55-9-----	4,4'-DDE	4.6	U
72-20-8-----	Endrin	4.6	U
33213-65-9-----	Endosulfan II	4.6	U
72-54-8-----	4,4'-DDD	4.6	U
1031-07-8-----	Endosulfan sulfate	4.6	U
50-29-3-----	4,4'-DDT	4.6	U
72-43-5-----	Methoxychlor	24	U
53494-70-5-----	Endrin ketone	4.6	U
7421-93-4-----	Endrin aldehyde	4.6	U
5103-71-9-----	alpha-Chlordane	2.4	U
5103-74-2-----	gamma-Chlordane	2.4	U
8001-35-2-----	Toxaphene	240	U
12674-11-2-----	Aroclor-1016	46	U
11104-28-2-----	Aroclor-1221	94	U
11141-16-5-----	Aroclor-1232	46	U
53469-21-9-----	Aroclor-1242	46	U
12672-29-6-----	Aroclor-1248	46	U
11097-69-1-----	Aroclor-1254	46	U
11096-82-5-----	Aroclor-1260	46	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS06

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) SOIL

Lab Sample ID: 70854008

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: E4A1763F

% Moisture: 50 decanted: (Y/N) N

Date Received: 06/09/00

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 06/10/00

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/27/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.5

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	3.4	U
319-85-7-----	beta-BHC	3.4	U
319-86-8-----	delta-BHC	3.4	U
58-89-9-----	gamma-BHC (Lindane)	3.4	U
76-44-8-----	Heptachlor	3.4	U
309-00-2-----	Aldrin	3.4	U
1024-57-3-----	Heptachlor epoxide	3.4	U
959-98-8-----	Endosulfan I	3.4	U
60-57-1-----	Dieldrin	6.5	U
72-55-9-----	4,4'-DDE	6.5	U
72-20-8-----	Endrin	6.5	U
33213-65-9-----	Endosulfan II	6.5	U
72-54-8-----	4,4'-DDD	6.5	U
1031-07-8-----	Endosulfan sulfate	6.5	U
50-29-3-----	4,4'-DDT	6.5	U
72-43-5-----	Methoxychlor	34	U
53494-70-5-----	Endrin ketone	6.5	U
7421-93-4-----	Endrin aldehyde	6.5	U
5103-71-9-----	alpha-Chlordane	3.4	U
5103-74-2-----	gamma-Chlordane	3.4	U
8001-35-2-----	Toxaphene	340	U
12674-11-2-----	Aroclor-1016	65	U
11104-28-2-----	Aroclor-1221	130	U
11141-16-5-----	Aroclor-1232	65	U
53469-21-9-----	Aroclor-1242	65	U
12672-29-6-----	Aroclor-1248	65	U
11097-69-1-----	Aroclor-1254	65	U
11096-82-5-----	Aroclor-1260	65	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW03

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E4A1674F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 06/09/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/10/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 06/22/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW04

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E4A1677F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 06/09/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/10/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 06/22/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW05

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E4A1678F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 06/09/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/10/00

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 06/22/00

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW06

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70854

Matrix: (soil/water) WATER

Lab Sample ID: 70854007

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E4A1679F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 06/09/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/10/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 06/22/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

66
1/7/00

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SW03

Lab Name: MITKEM_CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70854

Matrix (soil/water): WATER Lab Sample ID: 70854001

Level (low/med): MED Date Received: 06/09/00

% Solids:

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	93.4	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	21.4	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	15600			P
7440-47-3	Chromium	0.65	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	1.9	B		P
7439-89-6	Iron	547			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	4030	B		P
7439-96-5	Manganese	61.9			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	1.7	B		P
7440-09-7	Potassium	3990	B		P
7782-49-2	Selenium	5.9			P
7440-22-4	Silver	3.0	U	J	P
7440-23-5	Sodium	8800			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	2.3	B		P
56-12-5	Cyanide	2.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SW04

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70854__

Matrix (soil/water): WATER Lab Sample ID: 70854003__

Level (low/med): MED Date Received: 06/09/00__

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	76.0	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	21.9	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	15800			P
7440-47-3	Chromium	0.42	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	0.92	B		P
7439-89-6	Iron	565			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	3930	B		P
7439-96-5	Manganese	63.0			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	1.6	B		P
7440-09-7	Potassium	4070	B		P
7782-49-2	Selenium	5.9			P
7440-22-4	Silver	3.0	U		P
7440-23-5	Sodium	8700			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	2.0	B		P
56-12-5	Cyanide	2.0	U		C

OK one duplicate
analyte 5 rather 6.43

6.6 8/7/00

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

NYSDEC - ASP
I
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SW05

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70854

Matrix (soil/water): WATER Lab Sample ID: 70854005

Level (low/med): MED Date Received: 06/09/00

% Solids:

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	70.5	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	22.2	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.25	B		P
7440-70-2	Calcium	16000			P
7440-47-3	Chromium	0.63	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	0.88	B		P
7439-89-6	Iron	526			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	4150	B		P
7439-96-5	Manganese	59.9			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	1.5	B		P
7440-09-7	Potassium	4140	B		P
7782-49-2	Selenium	6.4			P
7440-22-4	Silver	3.0	U		P
7440-23-5	Sodium	9180			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	2.6	B		P
56-12-5	Cyanide	2.0	U		C

6.4 P no qualitative necessary

6.6 P 9/7/00

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SW06

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70854

Matrix (soil/water): WATER Lab Sample ID: 70854007

Level (low/med): MED Date Received: 06/09/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	41.8	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	21.5	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	15700			P
7440-47-3	Chromium	0.52	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	0.70	B		P
7439-89-6	Iron	446			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	3970	B		P
7439-96-5	Manganese	54.8			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	1.5	B		P
7440-09-7	Potassium	4060	B		P
7782-49-2	Selenium	5.1		~~200~~	P
7440-22-4	Silver	3.0	U	5	P
7440-23-5	Sodium	8760			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	1.2	B		P
56-12-5	Cyanide	2.0	U		C

no qual. location necessary

66F 8/7/00

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SW03F

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70854

Matrix (soil/water): WATER Lab Sample ID: 70854009

Level (low/med): MED Date Received: 06/09/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12.0	U		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	40.5	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	15200			P
7440-47-3	Chromium	0.47	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	0.63	B		P
7439-89-6	Iron	163			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	3770	B		P
7439-96-5	Manganese	50.4			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	2.2	B		P
7440-09-7	Potassium	3790	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	3.0	U		P
7440-23-5	Sodium	8250			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	7.9	B		P
56-12-5	Cyanide	2.0	U		C

requalification necessary

8/7/00

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

DISSOLVED METALS

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SW04F

Lab Name: MITKEM_CORPORATION Contract: _____

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

SDG No.: 70854

Matrix (soil/water): WATER Lab Sample ID: 70854010

Level (low/med): MED Date Received: 06/09/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12.0	U		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	28.4	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	15000			P
7440-47-3	Chromium	0.44	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	0.88	B		P
7439-89-6	Iron	166			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	3760	B		P
7439-96-5	Manganese	53.8			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	1.5	B		P
7440-09-7	Potassium	3760	B		P
7782-49-2	Selenium	5.0	U	OK	P
7440-22-4	Silver	3.0	U	J	P
7440-23-5	Sodium	8400			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	4.3	B		P
56-12-5	Cyanide	2.0	U		C

66F 8/7/00

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

DISSOLVED METALS

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SW05F

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70854

Matrix (soil/water): WATER Lab Sample ID: 70854011

Level (low/med): MED Date Received: 06/09/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12.0	U		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	40.8	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	14700			P
7440-47-3	Chromium	0.73	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	0.62	B		P
7439-89-6	Iron	166			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	3800	B		P
7439-96-5	Manganese	49.8			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	1.5	B		P
7440-09-7	Potassium	3720	B		P
7782-49-2	Selenium	6.2			P
7440-22-4	Silver	3.0	U		P
7440-23-5	Sodium	8340			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	5.8	B		P
56-12-5	Cyanide	2.0	U		C

no qualification necessary

8/7/00

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SW06F

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70854

Matrix (soil/water): WATER Lab Sample ID: 70854012

Level (low/med): MED Date Received: 06/09/00

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12.0	U		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	26.1	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	16200			P
7440-47-3	Chromium	0.46	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	0.65	B		P
7439-89-6	Iron	177			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	4060	B		P
7439-96-5	Manganese	53.1			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	1.5	B		P
7440-09-7	Potassium	4170	B		P
7782-49-2	Selenium	6.2		~~OK~~	P
7440-22-4	Silver	3.0	U	5	P
7440-23-5	Sodium	9130			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	2.0	B		P
56-12-5	Cyanide	2.0	U		C

no qual. treatment necessary

665 8/7/00

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

NYSDEC - ASP
I
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS03

Lab Name: MITKEM_CORPORATION

Contract: _____

Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: 70854

Matrix (soil/water): SOIL

Lab Sample ID: 70854002

Level (low/med): MED

Date Received: 06/09/00

% Solids: 72.0

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10600			P
7440-36-0	Antimony	1.0	U	N J	P
7440-38-2	Arsenic	7.5			P
7440-39-3	Barium	145			P
7440-41-7	Beryllium	0.60	B		P
7440-43-9	Cadmium	2.1		E J	P
7440-70-2	Calcium	1110			P
7440-47-3	Chromium	14.3		E J	P
7440-48-4	Cobalt	12.2			P
7440-50-8	Copper	18.8			P
7439-89-6	Iron	35600			P
7439-92-1	Lead	29.6			P
7439-95-4	Magnesium	4320			P
7439-96-5	Manganese	2430			P
7439-97-6	Mercury	0.056	U		CV
7440-02-0	Nickel	23.4		E J	P
7440-09-7	Potassium	701	B		P
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	3.1			P
7440-23-5	Sodium	267	B		P
7440-28-0	Thallium	2.6			P
7440-62-2	Vanadium	18.3			P
7440-66-6	Zinc	140		E J	P
56-12-5	Cyanide	0.23	B	~~N~~	C

66F 8/7/00

Color Before: BROWN

Clarity Before: _____

Texture: _____

Color After: YELLOW

Clarity After: CLEAR

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS04

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70854

Matrix (soil/water): SOIL Lab Sample ID: 70854004

Level (low/med): MED Date Received: 06/09/00

% Solids: 61.0

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8930			P
7440-36-0	Antimony	1.4	U	N J	P
7440-38-2	Arsenic	5.5			P
7440-39-3	Barium	52.1	B		P
7440-41-7	Beryllium	0.41	B		P
7440-43-9	Cadmium	1.3	B	E J	P
7440-70-2	Calcium	1160	B		P
7440-47-3	Chromium	10.5		E J	P
7440-48-4	Cobalt	6.8	B		P
7440-50-8	Copper	13.1			P
7439-89-6	Iron	22700			P
7439-92-1	Lead	37.4			P
7439-95-4	Magnesium	3220			P
7439-96-5	Manganese	691			P
7439-97-6	Mercury	0.075	B		CV
7440-02-0	Nickel	15.5		E J	P
7440-09-7	Potassium	616	B		P
7782-49-2	Selenium	1.4	U		P
7440-22-4	Silver	1.8	B		P
7440-23-5	Sodium	148	B		P
7440-28-0	Thallium	1.7	U		P
7440-62-2	Vanadium	15.2			P
7440-66-6	Zinc	90.5		E J	P
56-12-5	Cyanide	0.26	B	~~N~~	C

6.05 8/7/00

Color Before: BROWN Clarity Before: _____ Texture: MED/MUD

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

NYSDEC - ASP
I
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS05

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70854_

Matrix (soil/water): SOIL Lab Sample ID: 70854006

Level (low/med): MED Date Received: 06/09/00

% Solids: 71.0

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6890			P
7440-36-0	Antimony	1.2	U	N J	P
7440-38-2	Arsenic	1.7	B		P
7440-39-3	Barium	32.8	B		P
7440-41-7	Beryllium	0.33	B		P
7440-43-9	Cadmium	0.86	B	E J	P
7440-70-2	Calcium	642	B		P
7440-47-3	Chromium	8.8		E J	P
7440-48-4	Cobalt	6.1	B		P
7440-50-8	Copper	13.4		*	P
7439-89-6	Iron	15500			P
7439-92-1	Lead	11.2			P
7439-95-4	Magnesium	2880			P
7439-96-5	Manganese	440			P
7439-97-6	Mercury	0.061	U		CV
7440-02-0	Nickel	14.7		E J	P
7440-09-7	Potassium	530	B		P
7782-49-2	Selenium	1.2	U		P
7440-22-4	Silver	1.2	B		P
7440-23-5	Sodium	102	B		P
7440-28-0	Thallium	1.5	U		P
7440-62-2	Vanadium	11.2	B		P
7440-66-6	Zinc	51.3		E J	P
56-12-5	Cyanide	0.12	B	*N	C

665 5/17/00

Color Before: BROWN Clarity Before: _____ Texture: MED\MUD

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments: _____

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS06

Lab Name: MITKEM_CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70854

Matrix (soil/water): SOIL Lab Sample ID: 70854008

Level (low/med): MED Date Received: 06/09/00

% Solids: 48.0

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9460			P
7440-36-0	Antimony	1.6	U	N	P
7440-38-2	Arsenic	4.3			P
7440-39-3	Barium	82.6			P
7440-41-7	Beryllium	0.54	B		P
7440-43-9	Cadmium	1.3	B	E	P
7440-70-2	Calcium	2310			P
7440-47-3	Chromium	12.1		E	P
7440-48-4	Cobalt	6.6	B		P
7440-50-8	Copper	17.4		*	P
7439-89-6	Iron	19400			P
7439-92-1	Lead	23.6			P
7439-95-4	Magnesium	3000			P
7439-96-5	Manganese	265			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	16.9		E	P
7440-09-7	Potassium	805	B		P
7782-49-2	Selenium	1.6	U		P
7440-22-4	Silver	1.4	B		P
7440-23-5	Sodium	183	B		P
7440-28-0	Thallium	1.9	U		P
7440-62-2	Vanadium	17.2			P
7440-66-6	Zinc	85.1		E	P
56-12-5	Cyanide	0.12	U	*N	C

Color Before: BROWN\BLACK Clarity Before: Texture: MED\MUD

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: MITKEM_CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: 70854

Initial Calibration Source: INORG_VENTURES

Continuing Calibration Source: INORG_VENTURES

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	10000.0	9925.75	99.3	10000.0	9831.58	98.3	9944.22	99.4	P
Antimony	500.0	528.55	105.7	500.0	517.19	103.4	521.16	104.2	P
Arsenic	500.0	489.99	98.0	500.0	470.83	94.2	493.86	98.8	P
Barium	10000.0	10306.30	103.1	10000.0	10178.55	101.8	10263.72	102.6	P
Beryllium	250.0	244.36	97.7	250.0	243.14	97.3	244.26	97.7	P
Cadmium	250.0	249.23	99.7	250.0	247.24	98.9	247.31	98.9	P
Calcium	25000.0	24128.04	96.5	25000.0	23897.59	95.6	24533.77	98.1	P
Chromium	1000.0	1002.97	100.3	1000.0	995.19	99.5	1002.27	100.2	P
Cobalt	2500.0	2541.48	101.7	2500.0	2520.58	100.8	2537.52	101.5	P
Copper	1250.0	1256.22	100.5	1250.0	1241.35	99.3	1255.62	100.4	P
Iron	5000.0	5021.76	100.4	5000.0	4977.88	99.6	5151.53	103.0	P
Lead	500.0	489.96	98.0	500.0	479.44	95.9	484.85	97.0	P
Magnesium	25000.0	24921.82	99.7	25000.0	24720.63	98.9	24800.33	99.2	P
Manganese	2500.0	2494.99	99.8	2500.0	2501.97	100.1	2508.12	100.3	P
Mercury	5.0	4.41	88.2	5.0	4.36	87.2	4.33	86.6	CV
Nickel	2500.0	2518.73	100.7	2500.0	2507.28	100.3	2510.92	100.4	P
Potassium	25000.0	24695.54	98.8	25000.0	24184.46	96.7	24203.39	96.8	P
Selenium	500.0	488.77	97.8	500.0	495.95	99.2	476.96	95.4	P
Silver	1250.0	1243.78	99.5	1250.0	1235.31	98.8	1244.06	99.5	P
Sodium	25000.0	23719.27	94.9	25000.0	23409.40	93.6	23705.09	94.8	P
Thallium	500.0	480.54	96.1	500.0	477.99	95.6	469.34	93.9	P
Vanadium	2500.0	2478.67	99.1	2500.0	2456.30	98.3	2480.81	99.2	P
Zinc	2500.0	2536.32	101.5	2500.0	2513.10	100.5	2514.09	100.6	P
Cyanide	200.0	183.10	91.6	200.0	174.50	87.2	172.30	86.2	C

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

**Data Validation Report
Mayer Landfill
Blooming Grove, New York
Analytical Laboratory: Mitkem Corporation
Sample Delivery Group 70843**

Analytical results for the SDG's referenced below, from the Mayer Landfill were reviewed to evaluate the data quality. Data were assessed in accordance with the New York State Department of Environmental Conservation (NYSDEC) **Analytical Services Protocol** (10/95) and professional judgement. Where applicable data were validated following the United States Environmental Protection Agency (USEPA) **National Functional Guidelines for Organic Data Review** (October 1999), the United States Environmental Protection Agency (USEPA) **Laboratory Program National Functional Guidelines for Inorganic Data Review** (February 1994) and the USEPA Region II Evaluation of Metals Data (January 1992 HW-2 Revision 11).

This validation pertains to the following samples collected by Environmental Resources Management:

SDG 70843 Samples: Dup01600, Dup02600, SW01, SS01, SW02, SS02, FBSW060700, TBSW060700, FBSS060700, TBSS060700, Dup01600F (metals and cyanide only), SW01F (metals and cyanide only) and SW02F (metals and cyanide only).

The following items/criteria applicable to the samples listed above were reviewed:

Volatile and Semi-Volatile Data:

- Deliverable Requirements
- Case Narrative
- Holding Times and Sample Preparation
- System Monitoring Compound Recoveries
- Laboratory Control Sample (LCS) Data
- Blank Summary and Data
- GC/MS Tuning and Mass Calibration
- Target Compound Identification/Quantitation
- Quantitation Reports and Mass Spectral Data
- EPA/NIH Mass Spectral Library Search for TICs
- Initial and Continuing Calibration Data
- Internal Standard Areas and Retention Times

Pesticides/PCBs:

- Holding Times
- GC/ECD Instrument Performance Check
- Initial Calibration

- Calibration Verification
- Blanks
- Surrogate Spikes
- Matrix Spikes/Matrix Spike Duplicates
- Laboratory Control Samples/
- Pesticide Cleanup Checks
- Target Compound Identification
- Compound Quantitation and Reported Contract Required Quantitation Limits (CRQLs)

Inorganics:

- Holding Times
- Calibration
- Blanks
- ICP Interference Check Sample
- Laboratory Control Sample
- Duplicate Sample Analysis
- Spike Sample Analysis
- ICP Serial Dilution Analysis
- Graphite Furnace AA (where applicable)
- Field Duplicates

The above items were in compliance with USEPA NYSDEC ASP laboratory QC criteria with the exception of the items discussed in the following text. The data have been validated according to the above procedures.

ORGANIC DATA

VOLATILE DATA

Internal Standards

SDG 70843

Internal standard recoveries (bromochloromethane and chlorobenzene-d5) were slightly below the lower QC limit in sample DUP02600. The sample was reanalyzed and the internal standards remained below the lower QC limit. Consistent with USEPA data validation criteria, both non-detect and detected sample results for the compounds associated with these two internal standards have been flagged with a “J” and are considered estimated.

Method Blanks

SDG 70843

Methylene chloride was detected in method blank VBLK2C at 2 ug/Kg. Methylene chloride was also reported in samples DUP02600 (4 ug/Kg), SS01 (5 ug/Kg) and SS02 (4 ug/Kg), which are associated with method blank VBLK2C. Consistent with USEPA data validation guidelines, since the reported methylene chloride concentration in samples DUP02600, SS01 and SS02 were less than ten times the blank value, the reported results have been flagged as non-detect at either the reported value or the CRDL, whichever was greater.

Field Blanks

SDG 70843

Methylene chloride and acetone were detected in field blank FBSS060700 at 1 ug/L and 2 ug/L, respectively. This field blank is associated with samples DUP02600, SS01 and SS02. Methylene chloride was detected in these three samples at concentrations less than ten times the blank value, and therefore, consistent with USEPA data validation guidelines, the results have been flagged as non-detect at the reporting limit or listed concentration, whichever was higher. Acetone was detected in sample DUP02600 at less than ten times the blank value and, therefore the DUP02600 acetone result has been flagged as non-detect at the reporting limit. Acetone was detected in sample SS01 at 25 ug/L, which is greater than ten times the blank value (2 ug/L) and therefore, the value has not been flagged as non-detect. However, the value has been flagged with an "S" as suspect, and the reported acetone is most likely laboratory derived and not actually present in the sample.

Initial and Continuing Calibration

SDG 70843

The relative response factor (RRF) for 1,1,2,2-tetrachloroethane on instrument V6 was below (average RRF 0.271) the QC limit of 0.3. However, NYSDEC allows up to two volatile compounds in the initial and continuing calibration to be below the minimum RRF's, provided the average RRF is above 0.01. Therefore, the initial and continuing calibration is considered acceptable and no data were qualified.

SEMIVOLATILE DATA

Method Blanks

SDG 70843

Bis(2-ethylhexyl)phthalate was reported in samples Dup02600, SS01 and SS02. However, bis(2-ethylhexyl)phthalate was detected in the method blank (SBLK2F) associated with these samples. The bis(2-ethylhexyl) phthalate concentration reported in samples Dup02600, SS01 and SS02 were less than ten times the SBLK2F value.

Consistent with USEPA data validation guidelines, the results have been flagged as non-detect at the reporting limit or listed concentration, whichever was higher.

Initial Calibration

SDG 70843 (Samples SW01, SW02, DUP01600)

The initial calibration exhibited % RSDs for three compounds 4-chlorophenyl-phenyle ether (31.1 %), fluorene (25.7 %) and benzo(a)anthracene (21.6%) that exceeded the NYSDEC QC limit of 20.5%. However, NYSDEC allows up to four compounds to exceed the % RSD, provided that the RSDs are below 40%. Therefore, no data were qualified.

SDG 70843 (Samples DUP02600, SS01, SS02)

The initial calibration exhibited % RSDs for two compounds 4-chlorophenyl-phenyle ether (32.6 %) and fluorene (28.0 %) and average RRFs for these two compounds and acenaphthene, which exceeded the NYSDEC QC limits. However, NYSDEC allows up to four compounds to exceed the % RSD and or the average RRF QC criteria provided that the RSDs are below 40% and the average RRF is above 0.01. Therefore, no data were qualified.

Continuing Calibration

SDG 70843 (Samples DUP02600, SS01, SS02)

The percent difference for pentachlorophenol (25.6%) exceeded the QC criteria of 25%. However, NYSDEC allows up to four compounds to exceed the continuing calibration percent difference QC criteria, provided the percent difference is less than 40 percent. Therefore, the continuing calibration is considered valid and no data were qualified.

PESTICIDE/PCBS

Initial Calibration

SDG 70843

Three compounds, alpha BHC, delta BHC and gamma BHC exhibited percent RSDs for the initial calibration (both the water and soil samples in SDG 70843) that were slightly above the QC limit of 20 percent. The results for these compounds in the following samples have been flagged as estimated: DUP01600, DUP02600, SS01, SS02, SW01, and SW02.

INORGANICS/WET CHEMISTRY

CRDL Standard

SDG 70843

Currently, NYSDEC does not have any control limits for the CRDL standard. However, USEPA Region II has a control limit of 20 percent. The second CRDL standard percent recovery for lead (122.2%), was above the upper QC limit of 120% and the initial and final CRDL standards recovery for silver (51.1, 42.7, 42.3) were below the lower QC limit of 80%. Positive sample results for lead, within the affected range (+/- two times the CRDL) that are located within 50 percent of the samples on either side of the CRI standard out of compliance have been qualified as estimated and may be biased high. The affected samples are DUP01600, DUP01600F, SW01 and SW02, however, all lead results were non-detect and no qualification of data was required.

Following USEPA guidelines sample results with CRDL recoveries less than 50% would be rejected, however, since NYSDEC does not have established QC criteria, all sample silver results, both non-detects and detected values within the affected range have been qualified as estimated and may be biased low. The affected data are summarized below. All the qualified data are considered valid and usable.

Laboratory Control Sample

SDG 70843

The aqueous laboratory control sample percent recovery for cyanide (66.9%) was less than the lower QC limit of 80%. All aqueous sample cyanide results have been flagged with a "J" and are considered estimated.

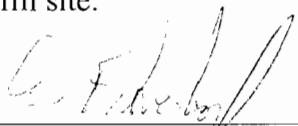
Serial Dilution

SDG 70843

The aqueous manganese serial dilution percent difference (21.2%) on sample DUP01600 exceeded the QC limit of ten percent. The chromium serial dilution percent difference (16%) on solid sample SS02 exceeded the QC limit of 10 percent. Consistent with USEPA data validation guidelines, all aqueous sample manganese results have been flagged with a "J" and are considered estimated. All solid sample chromium results have been flagged with a "J" and are considered estimated. The reported aqueous manganese and soil chromium results are potentially biased low, due to negative interferences. However, the reported data are valid and usable.

SUMMARY

The data validation indicated that all data are valid and usable. The data are of sufficient quality to make informed decisions with respect to ground water quality at the Mayer Landfill site.



Approved By
Edward G. Fahrenkopf, Jr.



Date

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP01600

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843001

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A4953

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: not dec. _____

Date Analyzed: 06/14/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

OK as reported
3/3/00

028

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP01600

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843001

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A4953

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: not dec. _____

Date Analyzed: 06/14/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

DUP02600

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) SOIL

Lab Sample ID: 70843002

Sample wt/vol: 5.4 (g/mL) G

Lab File ID: V2D1314

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: not dec. 40

Date Analyzed: 06/17/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	15	UJ
74-83-9-----	Bromomethane	15	UJ
75-01-4-----	Vinyl Chloride	15	UJ
75-00-3-----	Chloroethane	15	UJ
75-09-2-----	Methylene Chloride	4 JB	15 UJ
67-64-1-----	Acetone	13 JB	15 UJ
75-15-0-----	Carbon Disulfide	15	UJ
75-35-4-----	1,1-Dichloroethene	15	UJ
75-34-3-----	1,1-Dichloroethane	15	UJ
540-59-0-----	1,2-Dichloroethene (Total)	15	UJ
67-66-3-----	Chloroform	15	UJ
107-06-2-----	1,2-Dichloroethane	15	UJ
78-93-3-----	2-Butanone	15	U
71-55-6-----	1,1,1-Trichloroethane	15	U
56-23-5-----	Carbon Tetrachloride	15	U
75-27-4-----	Bromodichloromethane	15	U
78-87-5-----	1,2-Dichloropropane	15	U
10061-01-5-----	cis-1,3-Dichloropropene	15	U
79-01-6-----	Trichloroethene	15	U
124-48-1-----	Dibromochloromethane	15	U
79-00-5-----	1,1,2-Trichloroethane	15	U
71-43-2-----	Benzene	15	U
10061-02-6-----	trans-1,3-Dichloropropene	15	U
75-25-2-----	Bromoform	15	U
108-10-1-----	4-Methyl-2-Pentanone	15	UJ
591-78-6-----	2-Hexanone	15	U
127-18-4-----	Tetrachloroethene	15	U
79-34-5-----	1,1,2,2-Tetrachloroethane	15	U
108-88-3-----	Toluene	15	U
108-90-7-----	Chlorobenzene	15	U
100-41-4-----	Ethylbenzene	15	U
100-42-5-----	Styrene	15	U
1330-20-7-----	Xylene (Total)	15	U

FORM I VOA

66F 8/3/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP02600

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) SOIL

Lab Sample ID: 70843002

Sample wt/vol: 5.4 (g/mL) G

Lab File ID: V2D1314

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: not dec. 40

Date Analyzed: 06/17/00

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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1.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP02600RE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) SOIL

Lab Sample ID: 70843002RE

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V2D1319A

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: not dec. 40

Date Analyzed: 06/17/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

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

74-87-3	Chloromethane	16	U
74-83-9	Bromomethane	16	U
75-01-4	Vinyl Chloride	16	U
75-00-3	Chloroethane	16	U
75-09-2	Methylene Chloride	2	JB
67-64-1	Acetone	13	J
75-15-0	Carbon Disulfide	16	U
75-35-4	1,1-Dichloroethene	16	U
75-34-3	1,1-Dichloroethane	16	U
540-59-0	1,2-Dichloroethene (Total)	16	U
67-66-3	Chloroform	16	U
107-06-2	1,2-Dichloroethane	16	U
78-93-3	2-Butanone	16	U
71-55-6	1,1,1-Trichloroethane	16	U
56-23-5	Carbon Tetrachloride	16	U
75-27-4	Bromodichloromethane	16	U
78-87-5	1,2-Dichloropropane	16	U
10061-01-5	cis-1,3-Dichloropropene	16	U
79-01-6	Trichloroethene	16	U
124-48-1	Dibromochloromethane	16	U
79-00-5	1,1,2-Trichloroethane	16	U
71-43-2	Benzene	16	U
10061-02-6	trans-1,3-Dichloropropene	16	U
75-25-2	Bromoform	16	U
108-10-1	4-Methyl-2-Pentanone	16	U
591-78-6	2-Hexanone	16	U
127-18-4	Tetrachloroethene	16	U
79-34-5	1,1,2,2-Tetrachloroethane	16	U
108-88-3	Toluene	16	U
108-90-7	Chlorobenzene	16	U
100-41-4	Ethylbenzene	16	U
100-42-5	Styrene	16	U
1330-20-7	Xylene (Total)	16	U

FORM I VOA

USE Original Analysis
66F 8/13/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP02600RE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM \ Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) SOIL

Lab Sample ID: 70843002RE

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V2D1319A

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: not dec. 40

Date Analyzed: 06/17/00

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.				
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FORM I VOA-TIC

*no original
analysis of
8/3/00*

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FBSS060700

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843009

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A4951

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: not dec. _____

Date Analyzed: 06/14/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	1	J
67-64-1-----	Acetone	2	J
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FBSS060700

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843009

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A4951

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: not dec. _____

Date Analyzed: 06/14/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

FBSW060700

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843007

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A4949

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: not dec. _____

Date Analyzed: 06/14/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	1	J
67-64-1-----	Acetone	1	J
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FBSW060700

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843007

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A4949

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: not dec. _____

Date Analyzed: 06/14/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

SS01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) SOIL

Lab Sample ID: 70843004

Sample wt/vol: 6.2 (g/mL) G

Lab File ID: V2D1315

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: not dec. 43

Date Analyzed: 06/17/00

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

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	14	U
74-83-9-----	Bromomethane	14	U
75-01-4-----	Vinyl Chloride	14	U
75-00-3-----	Chloroethane	14	U
75-09-2-----	Methylene Chloride	5	JB 15.11
67-64-1-----	Acetone	25	S
75-15-0-----	Carbon Disulfide	14	U
75-35-4-----	1,1-Dichloroethene	14	U
75-34-3-----	1,1-Dichloroethane	14	U
540-59-0-----	1,2-Dichloroethene (Total)	14	U
67-66-3-----	Chloroform	14	U
107-06-2-----	1,2-Dichloroethane	14	U
78-93-3-----	2-Butanone	11	J
71-55-6-----	1,1,1-Trichloroethane	14	U
56-23-5-----	Carbon Tetrachloride	14	U
75-27-4-----	Bromodichloromethane	14	U
78-87-5-----	1,2-Dichloropropane	14	U
10061-01-5-----	cis-1,3-Dichloropropene	14	U
79-01-6-----	Trichloroethene	14	U
124-48-1-----	Dibromochloromethane	14	U
79-00-5-----	1,1,2-Trichloroethane	14	U
71-43-2-----	Benzene	14	U
10061-02-6-----	trans-1,3-Dichloropropene	14	U
75-25-2-----	Bromoform	14	U
108-10-1-----	4-Methyl-2-Pentanone	14	U
591-78-6-----	2-Hexanone	14	U
127-18-4-----	Tetrachloroethene	14	U
79-34-5-----	1,1,2,2-Tetrachloroethane	14	U
108-88-3-----	Toluene	14	U
108-90-7-----	Chlorobenzene	14	U
100-41-4-----	Ethylbenzene	14	U
100-42-5-----	Styrene	14	U
1330-20-7-----	Xylene (Total)	14	U

S = suspect

FORM I VOA

96F
8/3/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) SOIL

Lab Sample ID: 70843004

Sample wt/vol: 6.2 (g/mL) G

Lab File ID: V2D1315

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: not dec. 43

Date Analyzed: 06/17/00

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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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS02

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) SOIL

Lab Sample ID: 70843006

Sample wt/vol: 6.8 (g/mL) G

Lab File ID: V2D1316

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: not dec. 46

Date Analyzed: 06/17/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	14	U
74-83-9-----	Bromomethane	14	U
75-01-4-----	Vinyl Chloride	14	U
75-00-3-----	Chloroethane	14	U
75-09-2-----	Methylene Chloride	4	JB 14/01
67-64-1-----	Acetone	14	U
75-15-0-----	Carbon Disulfide	14	U
75-35-4-----	1,1-Dichloroethene	14	U
75-34-3-----	1,1-Dichloroethane	14	U
540-59-0-----	1,2-Dichloroethene (Total)	14	U
67-66-3-----	Chloroform	14	U
107-06-2-----	1,2-Dichloroethane	14	U
78-93-3-----	2-Butanone	14	U
71-55-6-----	1,1,1-Trichloroethane	14	U
56-23-5-----	Carbon Tetrachloride	14	U
75-27-4-----	Bromodichloromethane	14	U
78-87-5-----	1,2-Dichloropropane	14	U
10061-01-5-----	cis-1,3-Dichloropropene	14	U
79-01-6-----	Trichloroethene	14	U
124-48-1-----	Dibromochloromethane	14	U
79-00-5-----	1,1,2-Trichloroethane	14	U
71-43-2-----	Benzene	14	U
10061-02-6-----	trans-1,3-Dichloropropene	14	U
75-25-2-----	Bromoform	14	U
108-10-1-----	4-Methyl-2-Pentanone	14	U
591-78-6-----	2-Hexanone	14	U
127-18-4-----	Tetrachloroethene	14	U
79-34-5-----	1,1,2,2-Tetrachloroethane	14	U
108-88-3-----	Toluene	14	U
108-90-7-----	Chlorobenzene	14	U
100-41-4-----	Ethylbenzene	14	U
100-42-5-----	Styrene	14	U
1330-20-7-----	Xylene (Total)	14	U

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS02

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) SOIL

Lab Sample ID: 70843006

Sample wt/vol: 6.8 (g/mL) G

Lab File ID: V2D1316

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: not dec. 46

Date Analyzed: 06/17/00

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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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843003

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A4954

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: not dec. _____

Date Analyzed: 06/14/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843003

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A4954

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: not dec. _____

Date Analyzed: 06/14/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

SW02

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843005

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A4955

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: not dec. _____

Date Analyzed: 06/14/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW02

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843005

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A4955

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: not dec. _____

Date Analyzed: 06/14/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

TBSS060700

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843010

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A4952

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: not dec. _____

Date Analyzed: 06/14/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	10	U
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (Total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TBSS060700

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843010

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A4952

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: not dec. _____

Date Analyzed: 06/14/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

TBSW060700

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843008

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A4950

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: not dec. _____

Date Analyzed: 06/14/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TBSW060700

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843008

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A4950

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: not dec. _____

Date Analyzed: 06/14/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP01600

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5086

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/11/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/14/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(-2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	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
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethyphenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP01600

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5086

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/11/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/14/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP01600

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5086

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/11/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/14/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.60	2	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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30.				

FORM I SV-TIC

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP02600

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) SOIL

Lab Sample ID: 70843002

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S2B5161

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: 65 decanted: (Y/N) N

Date Extracted: 06/12/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/22/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
			Q
108-95-2	Phenol	940	U
111-44-4	bis(-2-Chloroethyl) Ether	940	U
95-57-8	2-Chlorophenol	940	U
541-73-1	1,3-Dichlorobenzene	940	U
106-46-7	1,4-Dichlorobenzene	940	U
95-50-1	1,2-Dichlorobenzene	940	U
95-48-7	2-Methylphenol	940	U
108-60-1	2,2'-oxybis(1-Chloropropane)	940	U
106-44-5	4-Methylphenol	940	U
621-64-7	N-Nitroso-di-n-propylamine	940	U
67-72-1	Hexachloroethane	940	U
98-95-3	Nitrobenzene	940	U
78-59-1	Isophorone	940	U
88-75-5	2-Nitrophenol	940	U
105-67-9	2,4-Dimethyphenol	940	U
120-83-2	2,4-Dichlorophenol	940	U
120-82-1	1,2,4-Trichlorobenzene	940	U
91-20-3	Naphthalene	940	U
106-47-8	4-Chloroaniline	940	U
111-91-1	bis(2-Chloroethoxy) methane	940	U
87-68-3	Hexachlorobutadiene	940	U
59-50-7	4-Chloro-3-methylphenol	940	U
91-57-6	2-Methylnaphthalene	940	U
77-47-4	Hexachlorocyclopentadiene	940	U
88-06-2	2,4,6-Trichlorophenol	940	U
95-95-4	2,4,5-Trichlorophenol	2400	U
91-58-7	2-Chloronaphthalene	940	U
88-74-4	2-Nitroaniline	2400	U
131-11-3	Dimethylphthalate	940	U
208-96-8	Acenaphthylene	130	J
606-20-2	2,6-Dinitrotoluene	940	U
99-09-2	3-Nitroaniline	2400	U
83-32-9	Acenaphthene	170	J

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP02600

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) SOIL

Lab Sample ID: 70843002

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S2B5161

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: 65 decanted: (Y/N) N

Date Extracted: 06/12/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/22/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	2400	U
100-02-7-----	4-Nitrophenol	2400	U
132-64-9-----	Dibenzofuran	940	U
121-14-2-----	2,4-Dinitrotoluene	940	U
84-66-2-----	Diethylphthalate	940	U
7005-72-3-----	4-Chlorophenyl-phenylether	940	U
86-73-7-----	Fluorene	220	J
100-01-6-----	4-Nitroaniline	2400	U
534-52-1-----	4,6-Dinitro-2-methylphenol	2400	U
86-30-6-----	N-Nitrosodiphenylamine (1)	940	U
101-55-3-----	4-Bromophenyl-phenylether	940	U
118-74-1-----	Hexachlorobenzene	940	U
87-86-5-----	Pentachlorophenol	2400	U
85-01-8-----	Phenanthrene	2900	
120-12-7-----	Anthracene	530	J
86-74-8-----	Carbazole	210	J
84-74-2-----	Di-n-butylphthalate	940	U
206-44-0-----	Fluoranthene	5000	
129-00-0-----	Pyrene	4200	
85-68-7-----	Butylbenzylphthalate	940	U
91-94-1-----	3,3'-Dichlorobenzidine	940	U
56-55-3-----	Benzo(a)anthracene	2400	
218-01-9-----	Chrysene	2500	
117-81-7-----	bis(2-Ethylhexyl)phthalate	210	JB
117-84-0-----	Di-n-octylphthalate	940	U
205-99-2-----	Benzo(b)fluoranthene	4000	
207-08-9-----	Benzo(k)fluoranthene	1500	
50-32-8-----	Benzo(a)pyrene	3000	
193-39-5-----	Indeno(1,2,3-cd)pyrene	1800	
53-70-3-----	Dibenzo(a,h)anthracene	370	J
191-24-2-----	Benzo(g,h,i)perylene	1500	

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP02600

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) SOIL

Lab Sample ID: 70843002

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: S2B5161

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: 65 decanted: (Y/N) N

Date Extracted: 06/12/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/22/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3

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

Number TICs found: 23

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.54	1300	JB
2.	UNKNOWN	5.14	1400	J
3.	UNKNOWN	5.58	5200	JB
4. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	6.04	32000	ANJB
5.	UNKNOWN	6.09	730	J
6.	UNKNOWN ALDOL CONDENSATE	7.15	3800	AJB
7.	UNKNOWN	16.88	320	JB
8.	UNKNOWN	17.19	250	JB
9. 2444-68-0	ANTHRACENE, 9-ETHENYL-	18.38	240	NJ
10. 613-12-7	ANTHRACENE, 2-METHYL-	18.80	250	NJ
11. 613-12-7	ANTHRACENE, 2-METHYL-	18.85	280	NJ
12.	UNKNOWN	19.02	920	J
13. 84-65-1	9,10-ANTHRACENEDIONE	19.46	660	NJ
14. 3674-66-6	PHENANTHRENE, 2,5-DIMETHYL-	19.93	410	NJ
15. 3442-78-2	PYRENE, 2-METHYL-	21.41	210	NJ
16. 3442-78-2	PYRENE, 2-METHYL-	21.61	190	NJ
17. 82-05-3	7H-BENZ [DE] ANTHRACEN-7-ONE	22.43	300	NJ
18.	UNKNOWN	22.77	560	J
19.	UNKNOWN PAH	23.42	140	J
20. 54833-23-7	EICOSANE, 10-METHYL-	24.31	820	NJ
21.	UNKNOWN	25.10	680	JB
22. 629-92-5	NONADECANE	26.13	220	NJ
23. 629-92-5	NONADECANE	28.67	250	NJ
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) SOIL

Lab Sample ID: 70843004

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S2B5162

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: 44 decanted: (Y/N) N

Date Extracted: 06/12/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/22/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

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

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	590	U
111-44-4-----	bis(-2-Chloroethyl) Ether	590	U
95-57-8-----	2-Chlorophenol	590	U
541-73-1-----	1,3-Dichlorobenzene	590	U
106-46-7-----	1,4-Dichlorobenzene	590	U
95-50-1-----	1,2-Dichlorobenzene	590	U
95-48-7-----	2-Methylphenol	590	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	590	U
106-44-5-----	4-Methylphenol	590	U
621-64-7-----	N-Nitroso-di-n-propylamine	590	U
67-72-1-----	Hexachloroethane	590	U
98-95-3-----	Nitrobenzene	590	U
78-59-1-----	Isophorone	590	U
88-75-5-----	2-Nitrophenol	590	U
105-67-9-----	2,4-Dimethyphenol	590	U
120-83-2-----	2,4-Dichlorophenol	590	U
120-82-1-----	1,2,4-Trichlorobenzene	590	U
91-20-3-----	Naphthalene	62	J
106-47-8-----	4-Chloroaniline	590	U
111-91-1-----	bis(2-Chloroethoxy)methane	590	U
87-68-3-----	Hexachlorobutadiene	590	U
59-50-7-----	4-Chloro-3-methylphenol	590	U
91-57-6-----	2-Methylnaphthalene	590	U
77-47-4-----	Hexachlorocyclopentadiene	590	U
88-06-2-----	2,4,6-Trichlorophenol	590	U
95-95-4-----	2,4,5-Trichlorophenol	1500	U
91-58-7-----	2-Chloronaphthalene	590	U
88-74-4-----	2-Nitroaniline	1500	U
131-11-3-----	Dimethylphthalate	590	U
208-96-8-----	Acenaphthylene	96	J
606-20-2-----	2,6-Dinitrotoluene	590	U
99-09-2-----	3-Nitroaniline	1500	U
83-32-9-----	Acenaphthene	240	J

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) SOIL

Lab Sample ID: 70843004

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S2B5162

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: 44 decanted: (Y/N) N

Date Extracted: 06/12/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/22/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	1500	U
100-02-7-----	4-Nitrophenol	1500	U
132-64-9-----	Dibenzofuran	80	J
121-14-2-----	2,4-Dinitrotoluene	590	U
84-66-2-----	Diethylphthalate	590	U
7005-72-3-----	4-Chlorophenyl-phenylether	590	U
86-73-7-----	Fluorene	250	J
100-01-6-----	4-Nitroaniline	1500	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1500	U
86-30-6-----	N-Nitrosodiphenylamine (1)	590	U
101-55-3-----	4-Bromophenyl-phenylether	590	U
118-74-1-----	Hexachlorobenzene	590	U
87-86-5-----	Pentachlorophenol	1500	U
85-01-8-----	Phenanthrene	2300	
120-12-7-----	Anthracene	540	J
86-74-8-----	Carbazole	210	J
84-74-2-----	Di-n-butylphthalate	590	U
206-44-0-----	Fluoranthene	3500	
129-00-0-----	Pyrene	3100	
85-68-7-----	Butylbenzylphthalate	590	U
91-94-1-----	3,3'-Dichlorobenzidine	590	U
56-55-3-----	Benzo (a) anthracene	1900	
218-01-9-----	Chrysene	1900	
117-81-7-----	bis (2-Ethylhexyl) phthalate	140	JB
117-84-0-----	Di-n-octylphthalate	590	U
205-99-2-----	Benzo (b) fluoranthene	3300	
207-08-9-----	Benzo (k) fluoranthene	1100	
50-32-8-----	Benzo (a) pyrene	2400	
193-39-5-----	Indeno (1,2,3-cd) pyrene	1300	
53-70-3-----	Dibenzo (a,h) anthracene	270	J
191-24-2-----	Benzo (g,h,i) perylene	1100	

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

8/4/00

252

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) SOIL

Lab Sample ID: 70843004

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S2B5162

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: 44 decanted: (Y/N) N

Date Extracted: 06/12/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/22/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

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

Number TICs found: 29

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.41	260	JB
2.	UNKNOWN	4.55	960	JB
3.	UNKNOWN	5.14	670	J
4.	UNKNOWN	5.57	2800	JB
5. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	6.04	18000	ANJB
6.	UNKNOWN	6.08	410	J
7.	UNKNOWN ALDOL CONDENSATE	7.15	2000	AJB
8. 25154-52-3	PHENOL, NONYL-	16.88	190	NJ
9.	UNKNOWN	17.19	180	JB
10. 27765-96-4	1,4-ETHENOANTHRACENE, 1,4-DI	18.39	190	NJ
11. 613-12-7	ANTHRACENE, 2-METHYL-	18.85	570	NJ
12.	UNKNOWN	19.02	790	J
13. 84-65-1	9,10-ANTHRACENEDIONE	19.46	620	NJ
14. 629-94-7	HENEICOSANE	20.05	290	NJ
15. 206-56-4	INDENO (1,2,3-IJ) ISOQUINOLINE	20.38	190	NJ
16.	UNKNOWN	20.57	230	J
17. 243-42-5	BENZO [B] NAPHTHO [2,3-D] FURAN	20.83	190	NJ
18. 243-42-5	BENZO [B] NAPHTHO [2,3-D] FURAN	20.98	200	NJ
19. 243-17-4	11H-BENZO [B] FLUORENE	21.41	810	NJ
20. 243-17-4	11H-BENZO [B] FLUORENE	21.55	620	NJ
21. 3442-78-2	PYRENE, 2-METHYL-	21.63	650	NJ
22. 3353-12-6	PYRENE, 4-METHYL-	21.81	200	NJ
23. 82-05-3	7H-BENZ [DE] ANTHRACEN-7-ONE	22.45	1700	NJ
24. 205-43-6	BENZO [B] NAPHTHO [1,2-D] THIOPH	22.67	500	NJ
25. 27208-37-3	CYCLOPENTA [CD] PYRENE	22.78	170	NJ
26.	UNKNOWN PAH	23.43	440	J
27.	UNKNOWN	25.12	2700	JB
28. 7225-64-1	HEPTADECANE, 9-OCTYL-	26.14	1000	NJ
29. 112-95-8	EICOSANE	28.71	1200	NJ
30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS02

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) SOIL

Lab Sample ID: 70843006

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S2B5163

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: 40 decanted: (Y/N) N

Date Extracted: 06/12/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/22/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

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

108-95-2-----	Phenol	550	U
111-44-4-----	bis(-2-Chloroethyl) Ether	550	U
95-57-8-----	2-Chlorophenol	550	U
541-73-1-----	1,3-Dichlorobenzene	550	U
106-46-7-----	1,4-Dichlorobenzene	550	U
95-50-1-----	1,2-Dichlorobenzene	550	U
95-48-7-----	2-Methylphenol	550	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	550	U
106-44-5-----	4-Methylphenol	550	U
621-64-7-----	N-Nitroso-di-n-propylamine	550	U
67-72-1-----	Hexachloroethane	550	U
98-95-3-----	Nitrobenzene	550	U
78-59-1-----	Isophorone	550	U
88-75-5-----	2-Nitrophenol	550	U
105-67-9-----	2,4-Dimethylphenol	550	U
120-83-2-----	2,4-Dichlorophenol	550	U
120-82-1-----	1,2,4-Trichlorobenzene	550	U
91-20-3-----	Naphthalene	550	U
106-47-8-----	4-Chloroaniline	550	U
111-91-1-----	bis(2-Chloroethoxy) methane	550	U
87-68-3-----	Hexachlorobutadiene	550	U
59-50-7-----	4-Chloro-3-methylphenol	550	U
91-57-6-----	2-Methylnaphthalene	550	U
77-47-4-----	Hexachlorocyclopentadiene	550	U
88-06-2-----	2,4,6-Trichlorophenol	550	U
95-95-4-----	2,4,5-Trichlorophenol	1400	U
91-58-7-----	2-Chloronaphthalene	550	U
88-74-4-----	2-Nitroaniline	1400	U
131-11-3-----	Dimethylphthalate	550	U
208-96-8-----	Acenaphthylene	550	U
606-20-2-----	2,6-Dinitrotoluene	550	U
99-09-2-----	3-Nitroaniline	1400	U
83-32-9-----	Acenaphthene	550	U

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS02

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) SOIL

Lab Sample ID: 70843006

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S2B5163

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: 40 decanted: (Y/N) N

Date Extracted: 06/12/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/22/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1400	U
100-02-7	4-Nitrophenol	1400	U
132-64-9	Dibenzofuran	550	U
121-14-2	2,4-Dinitrotoluene	550	U
84-66-2	Diethylphthalate	550	U
7005-72-3	4-Chlorophenyl-phenylether	550	U
86-73-7	Fluorene	550	U
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-methylphenol	1400	U
86-30-6	N-Nitrosodiphenylamine (1)	550	U
101-55-3	4-Bromophenyl-phenylether	550	U
118-74-1	Hexachlorobenzene	550	U
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	170	J
120-12-7	Anthracene	550	U
86-74-8	Carbazole	550	U
84-74-2	Di-n-butylphthalate	55	J
206-44-0	Fluoranthene	380	J
129-00-0	Pyrene	240	J
85-68-7	Butylbenzylphthalate	550	U
91-94-1	3,3'-Dichlorobenzidine	550	U
56-55-3	Benzo(a)anthracene	120	J
218-01-9	Chrysene	130	J
117-81-7	bis(2-Ethylhexyl)phthalate	120	JB
117-84-0	Di-n-octylphthalate	550	U
205-99-2	Benzo(b)fluoranthene	220	J
207-08-9	Benzo(k)fluoranthene	81	J
50-32-8	Benzo(a)pyrene	150	J
193-39-5	Indeno(1,2,3-cd)pyrene	89	J
53-70-3	Dibenzo(a,h)anthracene	550	U
191-24-2	Benzo(g,h,i)perylene	88	J

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

Spectro doesn't
match
GOF
8/4/00

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS02

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) SOIL

Lab Sample ID: 70843006

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S2B5163

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: 40 decanted: (Y/N) N

Date Extracted: 06/12/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/22/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 8.3

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.15	400	J
2.	UNKNOWN	5.57	2800	JB
3. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	6.03	19000	ANJB
4.	UNKNOWN ALDOL CONDENSATE	7.15	2200	AJB
5.	UNKNOWN	17.86	220	JB
6.	UNKNOWN	18.24	220	J
7. 4459-57-8	OXACYCLOHEXADECAN-2-ONE, 16-	18.77	350	NJ
8. 57-10-3	HEXADECANOIC ACID	18.92	470	NJ
9. 84-65-1	9,10-ANTHRACENEDIONE	19.45	280	NJ
10.	UNKNOWN	19.99	260	JB
11.	UNKNOWN	20.33	370	JB
12. 593-45-3	OCTADECANE	21.54	210	NJ
13.	UNKNOWN	21.93	120	J
14. 0-00-0	4,8,12,16-TETRAMETHYLHEPTADE	21.98	200	NJ
15. 629-80-1	HEXADECANAL	22.49	350	NJ
16.	UNKNOWN	22.66	340	J
17. 629-97-0	DOCOSANE	22.92	440	NJ
18.	UNKNOWN	23.47	170	J
19. 630-01-3	HEXACOSANE	23.58	390	NJ
20. 638-66-4	OCTADECANAL	23.86	510	NJ
21. 13475-75-7	PENTADECANE, 8-HEXYL-	24.32	1200	NJ
22.	UNKNOWN	25.09	3000	JB
23.	UNKNOWN	25.34	520	JB
24. 7225-66-3	TRIDECANE, 7-HEXYL-	26.14	3700	NJ
25. 0-00-0	2-HEPTACOSANONE	26.36	420	NJ
26. 56554-86-0	17-OCTADECENAL	27.90	320	NJ
27. 55320-06-4	HENEICOSANE, 11-DECYL-	28.72	5700	NJ
28.	UNKNOWN	28.84	2100	J
29.	UNKNOWN	33.92	1800	J
30. 638-95-9	.ALPHA.-AMYRIN	34.75	2600	NJ

FORM I SV-TIC

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5087

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/11/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/14/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5087

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/11/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/14/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis (2-Ethylhexyl) phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U
191-24-2-----	Benzo (g,h,i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5087

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/11/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/14/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

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

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.60	3	J
2. 112-95-8	EICOSANE	27.80	2	NJ
3.				
4.				
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FORM I SV-TIC

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW02

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5088

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/11/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/14/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW02

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5088

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/11/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/14/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

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

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW02

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5088

Level: (low/med) LOW

Date Received: 06/08/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/11/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/14/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.59	3	J
2.	UNKNOWN ALKANE	25.52	2	J
3. 630-06-8	HEXATRIACONTANE	29.30	2	NJ
4.				
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP01600

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B9698F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 06/08/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/09/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 06/22/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	UJ
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	UJ
58-89-9	gamma-BHC (Lindane)	0.050	UJ
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

667
3/4/00

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP02600

Lab Name: MITKEM CORPORATION Contract:
Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70843
Matrix: (soil/water) SOIL Lab Sample ID: 70843002
Sample wt/vol: 30.0 (g/mL) G Lab File ID: E2B9744F
% Moisture: 58 decanted: (Y/N) N Date Received: 06/08/00
Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/09/00
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 06/23/00
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	4.0	UJ
319-85-7	beta-BHC	4.0	U
319-86-8	delta-BHC	4.0	UJ
58-89-9	gamma-BHC (Lindane)	4.0	UJ
76-44-8	Heptachlor	4.0	U
309-00-2	Aldrin	4.0	U
1024-57-3	Heptachlor epoxide	4.0	U
959-98-8	Endosulfan I	4.0	U
60-57-1	Dieldrin	7.9	U
72-55-9	4,4'-DDE	7.9	U
72-20-8	Endrin	7.9	U
33213-65-9	Endosulfan II	7.9	U
72-54-8	4,4'-DDD	7.9	U
1031-07-8	Endosulfan sulfate	7.9	U
50-29-3	4,4'-DDT	7.9	U
72-43-5	Methoxychlor	40	U
53494-70-5	Endrin ketone	7.9	U
7421-93-4	Endrin aldehyde	7.9	U
5103-71-9	alpha-Chlordane	4.0	U
5103-74-2	gamma-Chlordane	4.0	U
8001-35-2	Toxaphene	400	U
12674-11-2	Aroclor-1016	79	U
11104-28-2	Aroclor-1221	160	U
11141-16-5	Aroclor-1232	79	U
53469-21-9	Aroclor-1242	79	U
12672-29-6	Aroclor-1248	79	U
11097-69-1	Aroclor-1254	79	U
11096-82-5	Aroclor-1260	79	U

QJ 8/4/00

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) SOIL

Lab Sample ID: 70843004

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: E2B9745F

% Moisture: 42 decanted: (Y/N) N

Date Received: 06/08/00

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 06/09/00

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/23/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Sulfur Cleanup: (Y/N) Y

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

319-84-6-----	alpha-BHC	2.9	UJ
319-85-7-----	beta-BHC	2.9	U
319-86-8-----	delta-BHC	2.9	UJ
58-89-9-----	gamma-BHC (Lindane)	2.9	UJ
76-44-8-----	Heptachlor	2.9	U
309-00-2-----	Aldrin	6.7	P
1024-57-3-----	Heptachlor epoxide	2.9	U
959-98-8-----	Endosulfan I	2.9	U
60-57-1-----	Dieldrin	5.6	U
72-55-9-----	4,4'-DDE	5.6	U
72-20-8-----	Endrin	5.6	U
33213-65-9-----	Endosulfan II	5.6	U
72-54-8-----	4,4'-DDD	5.6	U
1031-07-8-----	Endosulfan sulfate	5.6	U
50-29-3-----	4,4'-DDT	5.6	U
72-43-5-----	Methoxychlor	29	U
53494-70-5-----	Endrin ketone	5.6	U
7421-93-4-----	Endrin aldehyde	5.6	U
5103-71-9-----	alpha-Chlordane	2.9	U
5103-74-2-----	gamma-Chlordane	2.9	U
8001-35-2-----	Toxaphene	290	U
12674-11-2-----	Aroclor-1016	56	U
11104-28-2-----	Aroclor-1221	110	U
11141-16-5-----	Aroclor-1232	56	U
53469-21-9-----	Aroclor-1242	56	U
12672-29-6-----	Aroclor-1248	56	U
11097-69-1-----	Aroclor-1254	56	U
11096-82-5-----	Aroclor-1260	56	U

665 3/4/00

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS02

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) SOIL

Lab Sample ID: 70843006

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: E2B9746F

% Moisture: 47 decanted: (Y/N) N

Date Received: 06/08/00

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 06/09/00

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/23/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

319-84-6-----	alpha-BHC	3.2	UJ
319-85-7-----	beta-BHC	3.2	U
319-86-8-----	delta-BHC	3.2	UJ
58-89-9-----	gamma-BHC (Lindane)	3.2	UJ
76-44-8-----	Heptachlor	3.2	U
309-00-2-----	Aldrin	8.9	P
1024-57-3-----	Heptachlor epoxide	3.2	U
959-98-8-----	Endosulfan I	3.2	U
60-57-1-----	Dieldrin	6.2	U
72-55-9-----	4,4'-DDE	6.2	U
72-20-8-----	Endrin	6.2	U
33213-65-9-----	Endosulfan II	6.2	U
72-54-8-----	4,4'-DDD	6.2	U
1031-07-8-----	Endosulfan sulfate	6.2	U
50-29-3-----	4,4'-DDT	6.2	U
72-43-5-----	Methoxychlor	32	U
53494-70-5-----	Endrin ketone	6.2	U
7421-93-4-----	Endrin aldehyde	6.2	U
5103-71-9-----	alpha-Chlordane	3.2	U
5103-74-2-----	gamma-Chlordane	3.2	U
8001-35-2-----	Toxaphene	320	U
12674-11-2-----	Aroclor-1016	62	U
11104-28-2-----	Aroclor-1221	130	U
11141-16-5-----	Aroclor-1232	62	U
53469-21-9-----	Aroclor-1242	62	U
12672-29-6-----	Aroclor-1248	62	U
11097-69-1-----	Aroclor-1254	62	U
11096-82-5-----	Aroclor-1260	62	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B9699F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 06/08/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/09/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 06/22/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	UJ
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	UJ
58-89-9-----	gamma-BHC (Lindane)	0.050	UJ
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

GC 8/4/00

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW02

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70843

Matrix: (soil/water) WATER

Lab Sample ID: 70843005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B9700F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 06/08/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/09/00

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 06/22/00

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	UJ
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	UJ
58-89-9-----	gamma-BHC (Lindane)	0.050	UJ
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Diieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

608 8/4/00

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DUP01600F

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70843

Matrix (soil/water): WATER Lab Sample ID: D70843001

Level (low/med): MED Date Received: 06/08/00

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17.8	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	19.6	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.25	B		P
7440-70-2	Calcium	15100			P
7440-47-3	Chromium	0.45	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	1.1	B		P
7439-89-6	Iron	177			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	3680	B		P
7439-96-5	Manganese	47.4		JE	P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	1.5	B		P
7440-09-7	Potassium	4010	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	3.0	U	J	P
7440-23-5	Sodium	7810			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	1.9	B		P
56-12-5	Cyanide	2.0	U	J	C

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments: _____

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DUP02600

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70843

Matrix (soil/water): SOIL Lab Sample ID: 70843002

Level (low/med): MED Date Received: 06/08/00

% Solids: 35.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8300			P
7440-36-0	Antimony	1.9	U		P
7440-38-2	Arsenic	3.7	B		P
7440-39-3	Barium	41.9	B		P
7440-41-7	Beryllium	0.50	B		P
7440-43-9	Cadmium	1.7	B		P
7440-70-2	Calcium	3190			P
7440-47-3	Chromium	11.8		E J	P
7440-48-4	Cobalt	6.4	B		P
7440-50-8	Copper	22.6			P
7439-89-6	Iron	16800			P
7439-92-1	Lead	30.5			P
7439-95-4	Magnesium	3830			P
7439-96-5	Manganese	187		EX	P ok as is
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	17.5			P
7440-09-7	Potassium	791	B		P
7782-49-2	Selenium	1.9	U		P
7440-22-4	Silver	1.8	B	J	P
7440-23-5	Sodium	336	B		P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	15.2	B		P
7440-66-6	Zinc	173			P
56-12-5	Cyanide	0.29	B	EX	C ok as is
		0.47	B	EX	

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SW01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70843

Matrix (soil/water): WATER Lab Sample ID: 70843003

Level (low/med): MED Date Received: 06/08/00

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	160	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	21.8	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	15500			P
7440-47-3	Chromium	0.61	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	1.5	B		P
7439-89-6	Iron	629			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	3820	B		P
7439-96-5	Manganese	64.2		JE	P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	1.6	B		P
7440-09-7	Potassium	4160	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	3.0	U	J	P
7440-23-5	Sodium	8080			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	5.0	B		P
56-12-5	Cyanide	2.0	U	J	C

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SW01

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70843

Matrix (soil/water): WATER Lab Sample ID: 70843003

Level (low/med): MED Date Received: 06/08/00

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	160	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	21.8	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	15500			P
7440-47-3	Chromium	0.61	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	1.5	B		P
7439-89-6	Iron	629			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	3820	B		P
7439-96-5	Manganese	64.2		JE	P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	1.6	B		P
7440-09-7	Potassium	4160	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	3.0	U	J	P
7440-23-5	Sodium	8080			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	5.0	B		P
56-12-5	Cyanide	2.0	U	J	C

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SW01F

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70843

Matrix (soil/water): WATER Lab Sample ID: D70843003

Level (low/med): MED Date Received: 06/08/00

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	31.8	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	20.5	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	15800			P
7440-47-3	Chromium	0.48	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	1.2	B		P
7439-89-6	Iron	231			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	3810	B		P
7439-96-5	Manganese	49.5		JE	P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	1.7	B		P
7440-09-7	Potassium	4170	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	3.0	U	J	P
7440-23-5	Sodium	8210			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	4.3	B		P
56-12-5	Cyanide	2.0	U	J	C

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS01

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70843

Matrix (soil/water): SOIL Lab Sample ID: 70843004

Level (low/med): MED Date Received: 06/08/00

% Solids: 56.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7770			P
7440-36-0	Antimony	1.5	U		P
7440-38-2	Arsenic	1.5	B		P
7440-39-3	Barium	40.7	B		P
7440-41-7	Beryllium	0.39	B		P
7440-43-9	Cadmium	1.2	B		P
7440-70-2	Calcium	2050			P
7440-47-3	Chromium	11.3		EJ	P
7440-48-4	Cobalt	6.0	B		P
7440-50-8	Copper	20.9			P
7439-89-6	Iron	17200			P
7439-92-1	Lead	35.0			P
7439-95-4	Magnesium	3570			P
7439-96-5	Manganese	211			P
7439-97-6	Mercury	0.081	U		CV
7440-02-0	Nickel	16.0			P
7440-09-7	Potassium	737	B		P
7782-49-2	Selenium	1.5	U		P
7440-22-4	Silver	1.3	B	J	P
7440-23-5	Sodium	305	B		P
7440-28-0	Thallium	1.8	U		P
7440-62-2	Vanadium	14.3	B		P
7440-66-6	Zinc	164			P
56-12-5	Cyanide	~~0.15~~ 0.31	~~U~~ B		C

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SWO2

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70843

Matrix (soil/water): WATER Lab Sample ID: 70843005

Level (low/med): MED Date Received: 06/08/00

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	127	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	21.3	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	15100			P
7440-47-3	Chromium	0.67	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	1.4	B		P
7439-89-6	Iron	623			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	3730	B		P
7439-96-5	Manganese	63.4		JE	P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	1.6	B		P
7440-09-7	Potassium	3960	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	3.0	U	J	P
7440-23-5	Sodium	7970			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	2.5	B		P
56-12-5	Cyanide	2.0	U	J	C

cut from

Color Before: _____ Clarity Before: _____

Texture: _____

Color After: _____ Clarity After: _____

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SWO2F

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70843

Matrix (soil/water): WATER Lab Sample ID: D70843005

Level (low/med): MED Date Received: 06/08/00

% Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.6	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	48.5	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	15200			P
7440-47-3	Chromium	0.40	U		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	0.86	B		P
7439-89-6	Iron	211			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	3730	B		P
7439-96-5	Manganese	46.7		JE	P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	1.5	B		P
7440-09-7	Potassium	3950	B		P
7782-49-2	Selenium	6.4			P
7440-22-4	Silver	3.0	U	J	P
7440-23-5	Sodium	8100			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	21.4			P
56-12-5	Cyanide	2.0	U	J	C

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS02

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70843

Matrix (soil/water): SOIL Lab Sample ID: 70843006

Level (low/med): MED Date Received: 06/08/00

% Solids: 60.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9890			P
7440-36-0	Antimony	1.4	U		P
7440-38-2	Arsenic	7.5			P
7440-39-3	Barium	131			P
7440-41-7	Beryllium	0.50	B		P
7440-43-9	Cadmium	2.1			P
7440-70-2	Calcium	9860			P
7440-47-3	Chromium	10.9		EJ	P
7440-48-4	Cobalt	8.6	B		P
7440-50-8	Copper	13.7			P
7439-89-6	Iron	34000			P
7439-92-1	Lead	28.4			P
7439-95-4	Magnesium	7740			P
7439-96-5	Manganese	2410			P
7439-97-6	Mercury	0.079	U		CV
7440-02-0	Nickel	19.0			P
7440-09-7	Potassium	606	B		P
7782-49-2	Selenium	1.4	U		P
7440-22-4	Silver	3.0		J	P
7440-23-5	Sodium	436	B		P
7440-28-0	Thallium	1.7	U		P
7440-62-2	Vanadium	19.7			P
7440-66-6	Zinc	127			P
56-12-5	Cyanide	~~0.15~~ 0.31	~~U~~ B	~~was~~ 6/29/00	C

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:



Analysis Report: Total Organic Carbon

Client: ERM-Northeast
Analysis: Method 415.1

Units: %
Matrix: Soil

<u>Lab ID</u>	<u>Client ID</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Analysis Date</u>
70843002	DUP02600	1.67	0.10	7/7/00
70843004	SS01	1.68	0.10	7/7/00
70843006	SS02	1.17	0.10	7/7/00

**Data Validation Report
Mayer Landfill
Blooming Grove, New York
Analytical Laboratory: Mitkem Corporation
Sample Delivery Group SDG 70870**

Analytical results for the SDG's referenced below, from the Mayer Landfill were reviewed to evaluate the data quality. Data were assessed in accordance with the New York State Department of Environmental Conservation (NYSDEC) **Analytical Services Protocol** (10/95) and professional judgement. Where applicable data were validated following the United States Environmental Protection Agency (USEPA) **National Functional Guidelines for Organic Data Review** (October 1999), the United States Environmental Protection Agency (USEPA) **Laboratory Program National Functional Guidelines for Inorganic Data Review** (February 1994) and the USEPA Region II Evaluation of Metals Data (January 1992 HW-2 Revision 11).

This validation pertains to the following samples collected by Environmental Resources Management:

SDG 70870 Samples: SW07, SS07, SW08, SS08, SW09 SS09, SW10 SS10, BS01, BS02, BS03, BS04, BS05, FBBS01600, DUP03600, SW07F, SW08F, SW09F SW10F.

The following items/criteria applicable to the samples listed above were reviewed:

Volatile and Semi-Volatile Data:

- Deliverable Requirements
- Case Narrative
- Holding Times and Sample Preparation
- System Monitoring Compound Recoveries
- Laboratory Control Sample (LCS) Data
- Blank Summary and Data
- GC/MS Tuning and Mass Calibration
- Target Compound Identification/Quantitation
- Quantitation Reports and Mass Spectral Data
- EPA/NIH Mass Spectral Library Search for TICs
- Initial and Continuing Calibration Data
- Internal Standard Areas and Retention Times

Pesticides/PCBs:

- Holding Times
- GC/ECD Instrument Performance Check
- Initial Calibration
- Calibration Verification

- Blanks
- Surrogate Spikes
- Matrix Spikes/Matrix Spike Duplicates
- Laboratory Control Samples/
- Pesticide Cleanup Checks
- Target Compound Identification
- Compound Quantitation and Reported Contract Required Quantitation Limits (CRQLs)

Inorganics:

- Holding Times
- Calibration
- Blanks
- ICP Interference Check Sample
- Laboratory Control Sample
- Duplicate Sample Analysis
- Spike Sample Analysis
- ICP Serial Dilution Analysis
- Graphite Furnace AA (where applicable)
- Field Duplicates

The above items were in compliance with USEPA NYSDEC ASP laboratory QC criteria with the exception of the items discussed in the following text. The data have been validated according to the above procedures.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Sample Preservation

The laboratory reported that the temperature of the shipping cooler was 13 –15 degrees centigrade, which is above the preservation criteria of 4 degrees centigrade, which has been established to minimize biological activity. The temperature preservation criterion is most applicable to specific volatile organic compounds, which are potentially subject to biological degradation. Therefore, all sample volatile organic results are considered estimated but usable. No qualification of the semi-volatile organic, PCB/pesticide or the metals/cyanide data are considered necessary.

ORGANIC DATA

VOLATILE DATA

Method Blanks

Methylene chloride and acetone were reported in sample SS07, methylene chloride in sample SS08 and SS09 and both methylene chloride and acetone were detected in the

method blank (VBLK2D) associated with these samples. Methylene chloride was also reported in sample SS10 and in the associated method blank SBLK2E. The reported methylene chloride and acetone concentrations in samples SS07, SS08 and SS09 and the methylene chloride in sample SS10, were less than ten times the associated blank values. Consistent with USEPA data validation guidelines the SS07, SS08 and SS09 methylene chloride and acetone results and the SS10 methylene chloride value, have been flagged as non-detect at the reported concentration or the CRDL, whichever was higher.

Initial and Continuing Calibration

The relative response factor (RRF) for 1,1,2,2-tetrachloroethane on instrument V6 was below (average RRF 0.271) the QC limit of 0.3 for both the initial calibration and the continuing calibrations associated with this SDG. The samples analyzed using this instrument were SW07, SW08, SW09, SW10 and FBBS01600. However, NYSDEC allows up to two volatile compounds in the initial and continuing calibration to be below the minimum RRF's, provided the average RRF is above 0.01. Therefore, the initial and continuing calibration is considered acceptable and no data were qualified.

SEMIVOLATILE DATA

Matrix Spike/Matrix Spike Duplicate

A matrix spike/matrix spike duplicate was performed on aqueous sample SW03. The matrix spike 4-nitrophenol percent recovery (101%) was slightly above the upper QC limit (80%). The matrix spike duplicate percent recovery for 4-nitrophenol (111%) and 2,4-dinitrotoluene (106%) were slightly above the respective upper QC limits (80% and 96%, respectively). USEPA data validation guidelines specify that qualification of data is not performed based on matrix spike or matrix spike duplicate data, unless other information confirms a need for data qualification. No other data indicates that the data need to be qualified.

Method Blanks

SDG 70843

Bis(2-ethylhexyl)phthalate was reported in samples SS04, SS05 and SS06. However, bis(2-ethylhexyl)phthalate was detected in the method blank (SBLK2F) associated with these samples. The bis(2-ethylhexyl) phthalate concentration reported in samples SS04, SS05 and SS06 were less than ten times the SBLK2F value. Consistent with USEPA data validation guidelines, the results have been flagged as non-detect at the reporting limit or listed concentration, whichever was higher.

Bis(2-ethyl-hexyl)phthalate was also reported in sample SS03, however it was not detected in the associated method blank (SBLK2L). However, as previously noted it was detected in the SBLK2F method blank. Laboratory contamination is a random artifact. The SS03 bis(2-ethylhexyl)phthalate concentrations was less than ten times the SBLK2F reported value. Although the SS03 was not associated with the SBLK2F method blank,

the reported sample SS03 bis(2-ethylhexyl)phthalate concentration is considered suspect. The samples have been flagged with a "S" and the reported concentration is most likely laboratory derived.

Initial Calibration

The initial calibration associated with the samples in this SDG exhibited % RSDs for two compounds 4-chlorophenyl-phenylether (32.6 %) and fluorene (28.0 %) and an average RRF for these two compounds and acenaphthene, that exceeded the NYSDEC QC limits. However, NYSDEC allows up to four compounds to exceed the % RSD and or the average RRF QC criteria provided that the RSDs are below 40% and the average RRF is above 0.01. Therefore, no data were qualified.

Continuing Calibration

The percent difference for pentachlorophenol (25.6%) in the continuing calibration associated with sample SW07 exceeded the QC criteria of 25%. However, NYSDEC allows up to four compounds to exceed the continuing calibration percent difference QC criteria, provided the percent difference is less than 40 percent. Therefore, the continuing calibration is considered valid and no data were qualified.

PESTICIDE/PCBS

Initial Calibration

Three compounds, alpha BHC, delta BHC and gamma BHC exhibited percent RSDs for the initial calibration that were slightly above the QC limit of 20 percent. The results for these compounds in the following samples have been flagged as estimated but usable: SW07, SW08, SW09, SW10, SS07, SS08, SS09 and SS10.

INORGANICS/WET CHEMISTRY

CRDL Standard

Currently, NYSDEC does not have any control limits for the CRDL standard. However, USEPA Region II has a control limit of 20 percent for sample results within +/- two times the CRDL. The initial and final CRDL standards associated with samples SW07, SW08, SW09, SW10, SW07F, SW08F, SW09F and SW10F, exhibited a percent recovery for silver (40 and 41.2) that were below the lower QC limit of 80%. The CRDL recoveries for silver (42.2 and 38.7) associated with samples SS07, SS08, SS09, SS10, BS01, BS02, BS03, BS04 and BS05 were also below the lower QC limit of 80%.

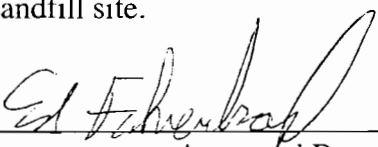
NYSDEC does not have established QC criteria, however all sample silver results, both non-detects and detected values within the affected range have been qualified as estimated and may be biased low. All the qualified data are considered valid and usable.

Serial Dilution

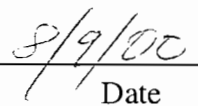
The serial dilution results for zinc in the BS05L (12.4%) and the DUP03600L (11.6%) solid samples exceeded the QC limit of ten percent. Consistent with USEPA data validation guidelines, all solid sample zinc results have been flagged with a "J" and are considered estimated. However, the reported data are valid and usable.

SUMMARY

The data validation indicated that all data are valid and usable. The data are of sufficient quality to make informed decisions with respect to ground water quality at the Mayer Landfill site.



Approved By
Edward G. Fahrenkopf, Jr.



Date

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FBBS01600

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870014

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A5071

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: not dec. _____

Date Analyzed: 06/16/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10	U	J
74-83-9-----	Bromomethane	10	U	
75-01-4-----	Vinyl Chloride	10	U	
75-00-3-----	Chloroethane	10	U	
75-09-2-----	Methylene Chloride	1	J	
67-64-1-----	Acetone	2	J	
75-15-0-----	Carbon Disulfide	10	U	J
75-35-4-----	1,1-Dichloroethene	10	U	
75-34-3-----	1,1-Dichloroethane	10	U	
540-59-0-----	1,2-Dichloroethene (Total)	10	U	
67-66-3-----	Chloroform	10	U	
107-06-2-----	1,2-Dichloroethane	10	U	
78-93-3-----	2-Butanone	10	U	
71-55-6-----	1,1,1-Trichloroethane	10	U	
56-23-5-----	Carbon Tetrachloride	10	U	
75-27-4-----	Bromodichloromethane	10	U	
78-87-5-----	1,2-Dichloropropane	10	U	
10061-01-5-----	cis-1,3-Dichloropropene	10	U	
79-01-6-----	Trichloroethene	10	U	
124-48-1-----	Dibromochloromethane	10	U	
79-00-5-----	1,1,2-Trichloroethane	10	U	
71-43-2-----	Benzene	10	U	
10061-02-6-----	trans-1,3-Dichloropropene	10	U	
75-25-2-----	Bromoform	10	U	
108-10-1-----	4-Methyl-2-Pentanone	10	U	
591-78-6-----	2-Hexanone	10	U	
127-18-4-----	Tetrachloroethene	10	U	
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U	
108-88-3-----	Toluene	10	U	
108-90-7-----	Chlorobenzene	10	U	
100-41-4-----	Ethylbenzene	10	U	
100-42-5-----	Styrene	10	U	
1330-20-7-----	Xylene (Total)	10	U	

FORM I VOA

af 8/7/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FBBS01600

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870014

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A5071

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: not dec. _____

Date Analyzed: 06/16/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

SS07

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) SOIL

Lab Sample ID: 70870002

Sample wt/vol: 5.5 (g/mL) G

Lab File ID: V2D1370

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: not dec. 49

Date Analyzed: 06/19/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	18	U	J
74-83-9-----	Bromomethane	18	U	
75-01-4-----	Vinyl Chloride	18	U	
75-00-3-----	Chloroethane	18	U	
75-09-2-----	Methylene Chloride	6	JB	18 UJ
67-64-1-----	Acetone	14	JB	18 UJ
75-15-0-----	Carbon Disulfide	18	U	J
75-35-4-----	1,1-Dichloroethene	18	U	
75-34-3-----	1,1-Dichloroethane	18	U	
540-59-0-----	1,2-Dichloroethene (Total)	18	U	
67-66-3-----	Chloroform	18	U	
107-06-2-----	1,2-Dichloroethane	18	U	
78-93-3-----	2-Butanone	6	J	
71-55-6-----	1,1,1-Trichloroethane	18	U	
56-23-5-----	Carbon Tetrachloride	18	U	
75-27-4-----	Bromodichloromethane	18	U	
78-87-5-----	1,2-Dichloropropane	18	U	
10061-01-5-----	cis-1,3-Dichloropropene	18	U	
79-01-6-----	Trichloroethene	76		
124-48-1-----	Dibromochloromethane	18	U	
79-00-5-----	1,1,2-Trichloroethane	18	U	
71-43-2-----	Benzene	18	U	
10061-02-6-----	trans-1,3-Dichloropropene	18	U	
75-25-2-----	Bromoform	18	U	
108-10-1-----	4-Methyl-2-Pentanone	18	U	
591-78-6-----	2-Hexanone	18	U	
127-18-4-----	Tetrachloroethene	18	U	
79-34-5-----	1,1,2,2-Tetrachloroethane	18	U	
108-88-3-----	Toluene	18	U	
108-90-7-----	Chlorobenzene	18	U	
100-41-4-----	Ethylbenzene	18	U	
100-42-5-----	Styrene	18	U	
1330-20-7-----	Xylene (Total)	18	U	✓

FORM I VOA

GGF 8/7/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS07

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) SOIL

Lab Sample ID: 70870002

Sample wt/vol: 5.5 (g/mL) G

Lab File ID: V2D1370

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: not dec. 49

Date Analyzed: 06/19/00

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.

SS08

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) SOIL

Lab Sample ID: 70870004

Sample wt/vol: 5.3 (g/mL) G

Lab File ID: V2D1371

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: not dec. 23

Date Analyzed: 06/19/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG		Q
74-87-3	Chloromethane	12	U	J
74-83-9	Bromomethane	12	U	
75-01-4	Vinyl Chloride	12	U	
75-00-3	Chloroethane	12	U	↓
75-09-2	Methylene Chloride	4	JB	DMJ
67-64-1	Acetone	12	U	J
75-15-0	Carbon Disulfide	12	U	
75-35-4	1,1-Dichloroethene	12	U	
75-34-3	1,1-Dichloroethane	12	U	
540-59-0	1,2-Dichloroethene (Total)	12	U	
67-66-3	Chloroform	12	U	
107-06-2	1,2-Dichloroethane	12	U	
78-93-3	2-Butanone	12	U	
71-55-6	1,1,1-Trichloroethane	12	U	
56-23-5	Carbon Tetrachloride	12	U	
75-27-4	Bromodichloromethane	12	U	
78-87-5	1,2-Dichloropropane	12	U	
10061-01-5	cis-1,3-Dichloropropene	12	U	
79-01-6	Trichloroethene	42		
124-48-1	Dibromochloromethane	12	U	
79-00-5	1,1,2-Trichloroethane	12	U	
71-43-2	Benzene	12	U	
10061-02-6	trans-1,3-Dichloropropene	12	U	
75-25-2	Bromoform	12	U	
108-10-1	4-Methyl-2-Pentanone	12	U	
591-78-6	2-Hexanone	12	U	
127-18-4	Tetrachloroethene	12	U	
79-34-5	1,1,2,2-Tetrachloroethane	12	U	
108-88-3	Toluene	12	U	
108-90-7	Chlorobenzene	12	U	
100-41-4	Ethylbenzene	12	U	
100-42-5	Styrene	12	U	
1330-20-7	Xylene (Total)	12	U	✓

FORM I VOA

965 2/7/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS08

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) SOIL

Lab Sample ID: 70870004

Sample wt/vol: 5.3 (g/mL) G

Lab File ID: V2D1371

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: not dec. 23

Date Analyzed: 06/19/00

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.

SS09

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) SOIL

Lab Sample ID: 70870006

Sample wt/vol: 5.4 (g/mL) G

Lab File ID: V2D1376

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: not dec. 17

Date Analyzed: 06/19/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

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

74-87-3-----	Chloromethane	11	U	✓
74-83-9-----	Bromomethane	11	U	
75-01-4-----	Vinyl Chloride	11	U	
75-00-3-----	Chloroethane	11	U	
75-09-2-----	Methylene Chloride	4	JB	11 U
67-64-1-----	Acetone	11	U	✓
75-15-0-----	Carbon Disulfide	11	U	
75-35-4-----	1,1-Dichloroethene	11	U	
75-34-3-----	1,1-Dichloroethane	11	U	
540-59-0-----	1,2-Dichloroethene (Total)	11	U	
67-66-3-----	Chloroform	11	U	
107-06-2-----	1,2-Dichloroethane	11	U	
78-93-3-----	2-Butanone	11	U	
71-55-6-----	1,1,1-Trichloroethane	11	U	
56-23-5-----	Carbon Tetrachloride	11	U	
75-27-4-----	Bromodichloromethane	11	U	
78-87-5-----	1,2-Dichloropropane	11	U	
10061-01-5-----	cis-1,3-Dichloropropene	11	U	
79-01-6-----	Trichloroethene	49		
124-48-1-----	Dibromochloromethane	11	U	
79-00-5-----	1,1,2-Trichloroethane	11	U	
71-43-2-----	Benzene	11	U	
10061-02-6-----	trans-1,3-Dichloropropene	11	U	
75-25-2-----	Bromoform	11	U	
108-10-1-----	4-Methyl-2-Pentanone	11	U	
591-78-6-----	2-Hexanone	11	U	
127-18-4-----	Tetrachloroethene	11	U	
79-34-5-----	1,1,2,2-Tetrachloroethane	11	U	
108-88-3-----	Toluene	11	U	
108-90-7-----	Chlorobenzene	11	U	
100-41-4-----	Ethylbenzene	11	U	
100-42-5-----	Styrene	11	U	
1330-20-7-----	Xylene (Total)	11	U	✓

FORM I VOA

66F 8/7/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS09

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) SOIL

Lab Sample ID: 70870006

Sample wt/vol: 5.4 (g/mL) G

Lab File ID: V2D1376

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: not dec. 17

Date Analyzed: 06/19/00

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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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) SOIL

Lab Sample ID: 70870008

Sample wt/vol: 5.3 (g/mL) G

Lab File ID: V2D1396

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: not dec. 60

Date Analyzed: 06/20/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG		Q
74-87-3	Chloromethane	24	U	J
74-83-9	Bromomethane	24	U	
75-01-4	Vinyl Chloride	24	U	
75-00-3	Chloroethane	24	U	
75-09-2	Methylene Chloride	5	BJ	
67-64-1	Acetone	50	J	
75-15-0	Carbon Disulfide	24	U	
75-35-4	1,1-Dichloroethene	24	U	
75-34-3	1,1-Dichloroethane	24	U	
540-59-0	1,2-Dichloroethene (Total)	24	U	
67-66-3	Chloroform	24	U	
107-06-2	1,2-Dichloroethane	24	U	
78-93-3	2-Butanone	19	J	
71-55-6	1,1,1-Trichloroethane	24	U	
56-23-5	Carbon Tetrachloride	24	U	
75-27-4	Bromodichloromethane	24	U	
78-87-5	1,2-Dichloropropane	24	U	
10061-01-5	cis-1,3-Dichloropropene	24	U	
79-01-6	Trichloroethene	5	J	
124-48-1	Dibromochloromethane	24	U	
79-00-5	1,1,2-Trichloroethane	24	U	
71-43-2	Benzene	24	U	
10061-02-6	trans-1,3-Dichloropropene	24	U	
75-25-2	Bromoform	24	U	
108-10-1	4-Methyl-2-Pentanone	24	U	
591-78-6	2-Hexanone	24	U	
127-18-4	Tetrachloroethene	24	U	
79-34-5	1,1,2,2-Tetrachloroethane	24	U	
108-88-3	Toluene	14	J	
108-90-7	Chlorobenzene	24	U	
100-41-4	Ethylbenzene	24	U	
100-42-5	Styrene	24	U	
1330-20-7	Xylene (Total)	24	U	

24 MJ

FORM I VOA

665 8/7/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) SOIL

Lab Sample ID: 70870008

Sample wt/vol: 5.3 (g/mL) G

Lab File ID: V2D1396

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: not dec. 60

Date Analyzed: 06/20/00

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

Dilution Factor: 70870.0

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.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW07

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870001

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A5072

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: not dec. _____

Date Analyzed: 06/16/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
			Q
74-87-3	Chloromethane	10	U J
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (Total)	10	U

FORM I VOA

Q.F.
8/13/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW07

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870001

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A5072

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: not dec. _____

Date Analyzed: 06/16/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW08

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870003

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A5073

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: not dec. _____

Date Analyzed: 06/16/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U 5
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

8/18/00

FORM I VOA

080

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW08

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870003

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A5073

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: not dec. _____

Date Analyzed: 06/16/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

SW09

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870005

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A5114

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: not dec. _____

Date Analyzed: 06/17/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	10	U	J
74-83-9-----	Bromomethane	10	U	
75-01-4-----	Vinyl Chloride	10	U	
75-00-3-----	Chloroethane	10	U	
75-09-2-----	Methylene Chloride	10	U	
67-64-1-----	Acetone	10	U	
75-15-0-----	Carbon Disulfide	10	U	
75-35-4-----	1,1-Dichloroethene	10	U	
75-34-3-----	1,1-Dichloroethane	10	U	
540-59-0-----	1,2-Dichloroethene (Total)	10	U	
67-66-3-----	Chloroform	10	U	
107-06-2-----	1,2-Dichloroethane	10	U	
78-93-3-----	2-Butanone	10	U	
71-55-6-----	1,1,1-Trichloroethane	10	U	
56-23-5-----	Carbon Tetrachloride	10	U	
75-27-4-----	Bromodichloromethane	10	U	
78-87-5-----	1,2-Dichloropropane	10	U	
10061-01-5-----	cis-1,3-Dichloropropene	10	U	
79-01-6-----	Trichloroethene	3	J	
124-48-1-----	Dibromochloromethane	10	U	
79-00-5-----	1,1,2-Trichloroethane	10	U	
71-43-2-----	Benzene	10	U	
10061-02-6-----	trans-1,3-Dichloropropene	10	U	
75-25-2-----	Bromoform	10	U	
108-10-1-----	4-Methyl-2-Pentanone	10	U	
591-78-6-----	2-Hexanone	10	U	
127-18-4-----	Tetrachloroethene	10	U	
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U	
108-88-3-----	Toluene	10	U	
108-90-7-----	Chlorobenzene	10	U	
100-41-4-----	Ethylbenzene	10	U	
100-42-5-----	Styrene	10	U	
1330-20-7-----	Xylene (Total)	10	U	

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW09

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870005

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A5114

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: not dec. _____

Date Analyzed: 06/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870007

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A5115

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: not dec. _____

Date Analyzed: 06/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
			Q
74-87-3	Chloromethane	10	U 5
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	4	J
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (Total)	10	U

FORM I VOA

605
8/2/00

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870007

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V6A5115

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: not dec. _____

Date Analyzed: 06/17/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS07

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) SOIL

Lab Sample ID: 70870002

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S2B5181

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: 31 decanted: (Y/N) N

Date Extracted: 06/15/00

Concentrated Extract Volume: 500(uL)

Date Analyzed: 06/24/00

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	360	J
111-44-4-----	bis(-2-Chloroethyl) Ether	480	U
95-57-8-----	2-Chlorophenol	480	U
541-73-1-----	1,3-Dichlorobenzene	480	U
106-46-7-----	1,4-Dichlorobenzene	480	U
95-50-1-----	1,2-Dichlorobenzene	480	U
95-48-7-----	2-Methylphenol	480	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	480	U
106-44-5-----	4-Methylphenol	480	U
621-64-7-----	N-Nitroso-di-n-propylamine	480	U
67-72-1-----	Hexachloroethane	480	U
98-95-3-----	Nitrobenzene	480	U
78-59-1-----	Isophorone	480	U
88-75-5-----	2-Nitrophenol	480	U
105-67-9-----	2,4-Dimethyphenol	480	U
120-83-2-----	2,4-Dichlorophenol	480	U
120-82-1-----	1,2,4-Trichlorobenzene	480	U
91-20-3-----	Naphthalene	480	U
106-47-8-----	4-Chloroaniline	480	U
111-91-1-----	bis(2-Chloroethoxy) methane	480	U
87-68-3-----	Hexachlorobutadiene	480	U
59-50-7-----	4-Chloro-3-methylphenol	480	U
91-57-6-----	2-Methylnaphthalene	480	U
77-47-4-----	Hexachlorocyclopentadiene	480	U
88-06-2-----	2,4,6-Trichlorophenol	480	U
95-95-4-----	2,4,5-Trichlorophenol	1200	U
91-58-7-----	2-Chloronaphthalene	480	U
88-74-4-----	2-Nitroaniline	1200	U
131-11-3-----	Dimethylphthalate	480	U
208-96-8-----	Acenaphthylene	480	U
606-20-2-----	2,6-Dinitrotoluene	480	U
99-09-2-----	3-Nitroaniline	1200	U
83-32-9-----	Acenaphthene	480	U

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS07

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) SOIL

Lab Sample ID: 70870002

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S2B5181

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: 31 decanted: (Y/N) N

Date Extracted: 06/15/00

Concentrated Extract Volume: 500(uL)

Date Analyzed: 06/24/00

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.7

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

51-28-5-----	2,4-Dinitrophenol	1200	U
100-02-7-----	4-Nitrophenol	1200	U
132-64-9-----	Dibenzofuran	480	U
121-14-2-----	2,4-Dinitrotoluene	480	U
84-66-2-----	Diethylphthalate	480	U
7005-72-3-----	4-Chlorophenyl-phenylether	480	U
86-73-7-----	Fluorene	480	U
100-01-6-----	4-Nitroaniline	1200	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1200	U
86-30-6-----	N-Nitrosodiphenylamine (1)	480	U
101-55-3-----	4-Bromophenyl-phenylether	480	U
118-74-1-----	Hexachlorobenzene	480	U
87-86-5-----	Pentachlorophenol	1200	U
85-01-8-----	Phenanthrene	480	U
120-12-7-----	Anthracene	480	U
86-74-8-----	Carbazole	480	U
84-74-2-----	Di-n-butylphthalate	480	U
206-44-0-----	Fluoranthene	480	U
129-00-0-----	Pyrene	480	U
85-68-7-----	Butylbenzylphthalate	480	U
91-94-1-----	3,3'-Dichlorobenzidine	480	U
56-55-3-----	Benzo(a)anthracene	480	U
218-01-9-----	Chrysene	480	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	290	J
117-84-0-----	Di-n-octylphthalate	480	U
205-99-2-----	Benzo(b)fluoranthene	480	U
207-08-9-----	Benzo(k)fluoranthene	480	U
50-32-8-----	Benzo(a)pyrene	480	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	480	U
53-70-3-----	Dibenzo(a,h)anthracene	480	U
191-24-2-----	Benzo(g,h,i)perylene	480	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS07

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) SOIL

Lab Sample ID: 70870002

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S2B5181

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: 31 decanted: (Y/N) N

Date Extracted: 06/15/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/24/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 30

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 625-33-2	3-PENTEN-2-ONE	4.21	250	ANJ
2.	UNKNOWN	4.45	240	J
3.	UNKNOWN	4.60	170	J
4.	UNKNOWN	5.07	300	JB
5.	UNKNOWN	5.16	420	JB
6.	UNKNOWN	5.49	3000	JB
7. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	5.95	19000	ANJB
8.	UNKNOWN ALDOL CONDENSATE	7.08	3000	AJB
9.	UNKNOWN ALDOL CONDENSATE	7.19	310	AJ
10. 100-52-7	BENZALDEHYDE	7.84	160	NJ
11.	UNKNOWN	8.43	180	JB
12.	UNKNOWN	9.91	330	J
13.	UNKNOWN	17.09	210	J
14.	UNKNOWN	18.16	110	J
15. 57-10-3	HEXADECANOIC ACID	18.82	240	NJ
16. 629-94-7	HENEICOSANE	19.96	160	NJ
17.	UNKNOWN	20.29	150	J
18. 629-92-5	NONADECANE	21.46	130	NJ
19. 646-31-1	TETRACOSANE	22.16	170	NJ
20. 124-25-4	TETRADECANAL	22.40	190	NJ
21. 629-94-7	HENEICOSANE	22.84	270	NJ
22. 638-66-4	OCTADECANAL	23.77	510	NJ
23. 629-97-0	DOCOSANE	24.22	960	NJ
24.	UNKNOWN	24.97	910	J
25. 56554-86-0	17-OCTADECENAL	25.42	630	NJ
26. 630-06-8	HEXATRIACONTANE	26.00	1700	NJ
27. 629-96-9	1-EICOSANOL	26.09	630	NJ
28. 638-66-4	OCTADECANAL	27.71	500	NJ
29. 630-06-8	HEXATRIACONTANE	28.50	2200	NJ
30.	UNKNOWN	28.83	720	J

at 8/10/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS08

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) SOIL

Lab Sample ID: 70870004

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: S2B5182

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: 24 decanted: (Y/N) N

Date Extracted: 06/15/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/24/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q

108-95-2-----	Phenol	340	J
111-44-4-----	bis(-2-Chloroethyl) Ether	440	U
95-57-8-----	2-Chlorophenol	440	U
541-73-1-----	1,3-Dichlorobenzene	440	U
106-46-7-----	1,4-Dichlorobenzene	440	U
95-50-1-----	1,2-Dichlorobenzene	440	U
95-48-7-----	2-Methylphenol	440	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	440	U
106-44-5-----	4-Methylphenol	440	U
621-64-7-----	N-Nitroso-di-n-propylamine	440	U
67-72-1-----	Hexachloroethane	440	U
98-95-3-----	Nitrobenzene	440	U
78-59-1-----	Isophorone	440	U
88-75-5-----	2-Nitrophenol	440	U
105-67-9-----	2,4-Dimethyphenol	440	U
120-83-2-----	2,4-Dichlorophenol	440	U
120-82-1-----	1,2,4-Trichlorobenzene	440	U
91-20-3-----	Naphthalene	440	U
106-47-8-----	4-Chloroaniline	440	U
111-91-1-----	bis(2-Chloroethoxy) methane	440	U
87-68-3-----	Hexachlorobutadiene	440	U
59-50-7-----	4-Chloro-3-methylphenol	440	U
91-57-6-----	2-Methylnaphthalene	440	U
77-47-4-----	Hexachlorocyclopentadiene	440	U
88-06-2-----	2,4,6-Trichlorophenol	440	U
95-95-4-----	2,4,5-Trichlorophenol	1100	U
91-58-7-----	2-Chloronaphthalene	440	U
88-74-4-----	2-Nitroaniline	1100	U
131-11-3-----	Dimethylphthalate	440	U
208-96-8-----	Acenaphthylene	440	U
606-20-2-----	2,6-Dinitrotoluene	440	U
99-09-2-----	3-Nitroaniline	1100	U
83-32-9-----	Acenaphthene	440	U

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS08

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) SOIL

Lab Sample ID: 70870004

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: S2B5182

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: 24 decanted: (Y/N) N

Date Extracted: 06/15/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/24/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	1100	U
100-02-7-----	4-Nitrophenol	1100	U
132-64-9-----	Dibenzofuran	440	U
121-14-2-----	2,4-Dinitrotoluene	440	U
84-66-2-----	Diethylphthalate	440	U
7005-72-3-----	4-Chlorophenyl-phenylether	440	U
86-73-7-----	Fluorene	440	U
100-01-6-----	4-Nitroaniline	1100	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1100	U
86-30-6-----	N-Nitrosodiphenylamine (1)	440	U
101-55-3-----	4-Bromophenyl-phenylether	440	U
118-74-1-----	Hexachlorobenzene	440	U
87-86-5-----	Pentachlorophenol	1100	U
85-01-8-----	Phenanthrene	440	U
120-12-7-----	Anthracene	440	U
86-74-8-----	Carbazole	440	U
84-74-2-----	Di-n-butylphthalate	440	U
206-44-0-----	Fluoranthene	440	U
129-00-0-----	Pyrene	440	U
85-68-7-----	Butylbenzylphthalate	440	U
91-94-1-----	3,3'-Dichlorobenzidine	440	U
56-55-3-----	Benzo(a)anthracene	440	U
218-01-9-----	Chrysene	440	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	220	J
117-84-0-----	Di-n-octylphthalate	440	U
205-99-2-----	Benzo(b)fluoranthene	440	U
207-08-9-----	Benzo(k)fluoranthene	440	U
50-32-8-----	Benzo(a)pyrene	440	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	440	U
53-70-3-----	Dibenzo(a,h)anthracene	440	U
191-24-2-----	Benzo(g,h,i)perylene	440	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS08

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) SOIL

Lab Sample ID: 70870004

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: S2B5182

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: 24 decanted: (Y/N) N

Date Extracted: 06/15/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/24/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 29

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALCOHOL	4.25	200	J
2.	UNKNOWN	4.46	160	J
3.	UNKNOWN	5.07	240	JB
4.	UNKNOWN	5.15	280	JB
5.	UNKNOWN	5.49	2400	JB
6. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	5.96	17000	ANJB
7.	UNKNOWN ALDOL CONDENSATE	7.07	2000	AJB
8.	UNKNOWN	7.77	200	J
9.	UNKNOWN	9.91	270	J
10.	UNKNOWN	10.68	160	J
11.	UNKNOWN	10.89	120	J
12.	UNKNOWN	16.73	100	JB
13. 55045-08-4	DODECANE, 2-METHYL-6-PROPYL-	21.45	120	NJ
14. 124-25-4	TETRADECANAL	22.40	160	NJ
15.	UNKNOWN ALKANE	22.85	290	J
16.	UNKNOWN ALKANE	23.49	220	J
17.	UNKNOWN	23.97	380	J
18. 629-78-7	HEPTADECANE	24.21	650	NJ
19.	UNKNOWN	24.96	1500	J
20.	UNKNOWN	25.21	340	J
21. 638-66-4	OCTADECANAL	25.42	240	NJ
22. 630-06-8	HEXATRIACONTANE	26.00	1900	NJ
23. 661-19-8	1-DOCOSANOL	26.10	510	NJ
24. 629-78-7	HEPTADECANE	27.11	240	NJ
25. 56554-86-0	17-OCTADECENAL	27.70	300	NJ
26. 112-95-8	EICOSANE	28.49	1800	NJ
27.	UNKNOWN	28.84	170	J
28. 77899-10-6	(Z) 14-TRICOSENYL FORMATE	31.05	270	NJ
29. 629-92-5	NONADECANE	32.13	530	NJ
30.				

FORM I SV-TIC

6675/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS09

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) SOIL

Lab Sample ID: 70870006

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S2B5194

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: 20

decanted: (Y/N) N

Date Extracted: 06/15/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/26/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	410	U
111-44-4-----	bis(-2-Chloroethyl) Ether	410	U
95-57-8-----	2-Chlorophenol	410	U
541-73-1-----	1,3-Dichlorobenzene	410	U
106-46-7-----	1,4-Dichlorobenzene	410	U
95-50-1-----	1,2-Dichlorobenzene	410	U
95-48-7-----	2-Methylphenol	410	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	410	U
106-44-5-----	4-Methylphenol	410	U
621-64-7-----	N-Nitroso-di-n-propylamine	410	U
67-72-1-----	Hexachloroethane	410	U
98-95-3-----	Nitrobenzene	410	U
78-59-1-----	Isophorone	410	U
88-75-5-----	2-Nitrophenol	410	U
105-67-9-----	2,4-Dimethylphenol	410	U
120-83-2-----	2,4-Dichlorophenol	410	U
120-82-1-----	1,2,4-Trichlorobenzene	410	U
91-20-3-----	Naphthalene	410	U
106-47-8-----	4-Chloroaniline	410	U
111-91-1-----	bis(2-Chloroethoxy) methane	410	U
87-68-3-----	Hexachlorobutadiene	410	U
59-50-7-----	4-Chloro-3-methylphenol	410	U
91-57-6-----	2-Methylnaphthalene	410	U
77-47-4-----	Hexachlorocyclopentadiene	410	U
88-06-2-----	2,4,6-Trichlorophenol	410	U
95-95-4-----	2,4,5-Trichlorophenol	1000	U
91-58-7-----	2-Chloronaphthalene	410	U
88-74-4-----	2-Nitroaniline	1000	U
131-11-3-----	Dimethylphthalate	410	U
208-96-8-----	Acenaphthylene	410	U
606-20-2-----	2,6-Dinitrotoluene	410	U
99-09-2-----	3-Nitroaniline	1000	U
83-32-9-----	Acenaphthene	410	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS09

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) SOIL

Lab Sample ID: 70870006

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S2B5194

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: 20 decanted: (Y/N) N

Date Extracted: 06/15/00

Concentrated Extract Volume: 500(uL)

Date Analyzed: 06/26/00

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	1000	U
100-02-7-----	4-Nitrophenol	1000	U
132-64-9-----	Dibenzofuran	410	U
121-14-2-----	2,4-Dinitrotoluene	410	U
84-66-2-----	Diethylphthalate	410	U
7005-72-3-----	4-Chlorophenyl-phenylether	410	U
86-73-7-----	Fluorene	410	U
100-01-6-----	4-Nitroaniline	1000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	410	U
101-55-3-----	4-Bromophenyl-phenylether	410	U
118-74-1-----	Hexachlorobenzene	410	U
87-86-5-----	Pentachlorophenol	1000	U
85-01-8-----	Phenanthrene	410	U
120-12-7-----	Anthracene	410	U
86-74-8-----	Carbazole	410	U
84-74-2-----	Di-n-butylphthalate	410	U
206-44-0-----	Fluoranthene	410	U
129-00-0-----	Pyrene	410	U
85-68-7-----	Butylbenzylphthalate	410	U
91-94-1-----	3,3'-Dichlorobenzidine	410	U
56-55-3-----	Benzo(a)anthracene	410	U
218-01-9-----	Chrysene	410	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	250	J
117-84-0-----	Di-n-octylphthalate	410	U
205-99-2-----	Benzo(b)fluoranthene	410	U
207-08-9-----	Benzo(k)fluoranthene	410	U
50-32-8-----	Benzo(a)pyrene	410	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	410	U
53-70-3-----	Dibenzo(a,h)anthracene	410	U
191-24-2-----	Benzo(g,h,i)perylene	410	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS09

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) SOIL

Lab Sample ID: 70870006

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: S2B5194

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: 20 decanted: (Y/N) N

Date Extracted: 06/15/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/26/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 9

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.01	110	J
2.	UNKNOWN	5.43	1300	JB
3. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	5.89	10000	ANJB
4.	UNKNOWN ALDOL CONDENSATE	7.01	940	AJB
5.	UNKNOWN	7.71	120	J
6. 112-95-8	EICOSANE	24.15	170	NJ
7.	UNKNOWN	24.89	890	J
8. 646-31-1	TETRACOSANE	25.89	330	NJ
9. 630-06-8	HEXATRIACONTANE	28.35	400	NJ
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30.				

FORM I SV-TIC

405 P/B/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS10

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70870

Matrix: (soil/water) SOIL Lab Sample ID: 70870008

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S2B5195

Level: (low/med) LOW Date Received: 06/10/00

% Moisture: 58 decanted: (Y/N) N Date Extracted: 06/15/00

Concentrated Extract Volume: 500(uL) Date Analyzed: 06/26/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND Q

108-95-2-----	Phenol	790	U
111-44-4-----	bis(-2-Chloroethyl) Ether	790	U
95-57-8-----	2-Chlorophenol	790	U
541-73-1-----	1,3-Dichlorobenzene	790	U
106-46-7-----	1,4-Dichlorobenzene	790	U
95-50-1-----	1,2-Dichlorobenzene	790	U
95-48-7-----	2-Methylphenol	790	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	790	U
106-44-5-----	4-Methylphenol	790	U
621-64-7-----	N-Nitroso-di-n-propylamine	790	U
67-72-1-----	Hexachloroethane	790	U
98-95-3-----	Nitrobenzene	790	U
78-59-1-----	Isophorone	790	U
88-75-5-----	2-Nitrophenol	790	U
105-67-9-----	2,4-Dimethylphenol	790	U
120-83-2-----	2,4-Dichlorophenol	790	U
120-82-1-----	1,2,4-Trichlorobenzene	790	U
91-20-3-----	Naphthalene	790	U
106-47-8-----	4-Chloroaniline	790	U
111-91-1-----	bis(2-Chloroethoxy)methane	790	U
87-68-3-----	Hexachlorobutadiene	790	U
59-50-7-----	4-Chloro-3-methylphenol	790	U
91-57-6-----	2-Methylnaphthalene	790	U
77-47-4-----	Hexachlorocyclopentadiene	790	U
88-06-2-----	2,4,6-Trichlorophenol	790	U
95-95-4-----	2,4,5-Trichlorophenol	2000	U
91-58-7-----	2-Chloronaphthalene	790	U
88-74-4-----	2-Nitroaniline	2000	U
131-11-3-----	Dimethylphthalate	790	U
208-96-8-----	Acenaphthylene	790	U
606-20-2-----	2,6-Dinitrotoluene	790	U
99-09-2-----	3-Nitroaniline	2000	U
83-32-9-----	Acenaphthene	790	U

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) SOIL

Lab Sample ID: 70870008

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S2B5195

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: 58

decanted: (Y/N) N

Date Extracted: 06/15/00

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/26/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q

51-28-5-----	2,4-Dinitrophenol	2000	U
100-02-7-----	4-Nitrophenol	2000	U
132-64-9-----	Dibenzofuran	790	U
121-14-2-----	2,4-Dinitrotoluene	790	U
84-66-2-----	Diethylphthalate	790	U
7005-72-3-----	4-Chlorophenyl-phenylether	790	U
86-73-7-----	Fluorene	790	U
100-01-6-----	4-Nitroaniline	2000	U
534-52-1-----	4,6-Dinitro-2-methylphenol	2000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	790	U
101-55-3-----	4-Bromophenyl-phenylether	790	U
118-74-1-----	Hexachlorobenzene	790	U
87-86-5-----	Pentachlorophenol	2000	U
85-01-8-----	Phenanthrene	790	U
120-12-7-----	Anthracene	790	U
86-74-8-----	Carbazole	790	U
84-74-2-----	Di-n-butylphthalate	790	U
206-44-0-----	Fluoranthene	790	U
129-00-0-----	Pyrene	790	U
85-68-7-----	Butylbenzylphthalate	790	U
91-94-1-----	3,3'-Dichlorobenzidine	790	U
56-55-3-----	Benzo(a)anthracene	790	U
218-01-9-----	Chrysene	790	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	320	J
117-84-0-----	Di-n-octylphthalate	790	U
205-99-2-----	Benzo(b)fluoranthene	790	U
207-08-9-----	Benzo(k)fluoranthene	790	U
50-32-8-----	Benzo(a)pyrene	790	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	790	U
53-70-3-----	Dibenzo(a,h)anthracene	790	U
191-24-2-----	Benzo(g,h,i)perylene	790	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SS10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) SOIL

Lab Sample ID: 70870008

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S2B5195

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: 58 decanted: (Y/N) N

Date Extracted: 06/15/00

Concentrated Extract Volume: 500(uL)

Date Analyzed: 06/26/00

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 29

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.02	1800	JB
2.	UNKNOWN	5.11	820	JB
3.	UNKNOWN	5.45	2800	JB
4.	UNKNOWN	5.51	1900	JB
5. 123-42-2	2-PENTANONE, 4-HYDROXY 4-MET	5.90	21000	ANJB
6.	UNKNOWN	7.03	3400	JB
7.	UNKNOWN	8.38	410	JB
8. 103-82-2	BENZENEACETIC ACID	11.62	780	NJ
9.	UNKNOWN ALKANE	16.38	230	J
10. 544-63-8	TETRADECANOIC ACID	16.99	340	NJ
11.	UNKNOWN	18.11	250	J
12. 57-10-3	HEXADECANOIC ACID	18.79	550	NJ
13.	UNKNOWN ALKANE	19.13	530	J
14. 593-45-3	OCTADECANE	19.91	270	NJ
15. 544-76-3	HEXADECANE	21.42	1000	NJ
16. 629-92-5	NONADECANE	22.12	270	NJ
17. 56554-86-0	17-OCTADECENAL	22.36	260	NJ
18.	UNKNOWN	22.69	200	J
19. 629-62-9	PENTADECANE	22.80	1900	NJ
20. 638-67-5	TRICOSANE	23.45	700	NJ
21.	UNKNOWN PAH	23.72	240	J
22.	UNKNOWN	24.03	180	J
23. 629-97-0	DOCOSANE	24.17	3400	NJ
24. 301-02-0	9-OCTADECENAMIDE, (Z)-	24.93	1200	NJB
25. 56554-87-1	16-OCTADECENAL	25.35	200	NJ
26. 630-06-8	HEXATRIACONTANE	25.93	1600	NJ
27.	UNKNOWN	26.04	500	J
28. 544-76-3	HEXADECANE	28.40	2500	NJ
29. 629-66-3	2-NONADECANONE	28.75	1300	NJ
30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW07

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5157

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/13/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/22/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW07

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5157

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/13/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/22/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	Q
51-28-5-----	2,4-Dinitrophenol	25 U
100-02-7-----	4-Nitrophenol	25 U
132-64-9-----	Dibenzofuran	10 U
121-14-2-----	2,4-Dinitrotoluene	10 U
84-66-2-----	Diethylphthalate	10 U
7005-72-3-----	4-Chlorophenyl-phenylether	10 U
86-73-7-----	Fluorene	10 U
100-01-6-----	4-Nitroaniline	25 U
534-52-1-----	4,6-Dinitro-2-methylphenol	25 U
86-30-6-----	N-Nitrosodiphenylamine (1)	10 U
101-55-3-----	4-Bromophenyl-phenylether	10 U
118-74-1-----	Hexachlorobenzene	10 U
87-86-5-----	Pentachlorophenol	25 U
85-01-8-----	Phenanthrene	10 U
120-12-7-----	Anthracene	10 U
86-74-8-----	Carbazole	10 U
84-74-2-----	Di-n-butylphthalate	10 U
206-44-0-----	Fluoranthene	10 U
129-00-0-----	Pyrene	10 U
85-68-7-----	Butylbenzylphthalate	10 U
91-94-1-----	3,3'-Dichlorobenzidine	10 U
56-55-3-----	Benzo(a)anthracene	10 U
218-01-9-----	Chrysene	10 U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10 U
117-84-0-----	Di-n-octylphthalate	10 U
205-99-2-----	Benzo(b)fluoranthene	10 U
207-08-9-----	Benzo(k)fluoranthene	10 U
50-32-8-----	Benzo(a)pyrene	10 U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10 U
53-70-3-----	Dibenzo(a,h)anthracene	10 U
191-24-2-----	Benzo(g,h,i)perylene	10 U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW07

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5157

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/13/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/22/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	23.31	2	J
2. 629-78-7	HEPTADECANE	23.58	6	NJ
3.	UNKNOWN	24.30	6	J
4.	UNKNOWN	25.12	6	J
5.	UNKNOWN	26.09	4	J
6.	UNKNOWN	27.25	17	JB
7.				
8.				
9.				
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FORM I SV-TIC

605 8/13/00

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW08

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5140

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/13/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW08

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5140

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/13/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	1	J
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW08

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5140

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/13/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.57	2	J
2.	UNKNOWN ALKANE	23.62	5	J
3. 629-59-4	TETRADECANE	24.36	5	NJ
4.	UNKNOWN	25.12	23	J
5.	UNKNOWN	25.31	6	J
6. 13475-76-8	DOCOSANE, 11-BUTYL-	26.17	3	NJ
7.	UNKNOWN ALKANE	27.34	4	J
8.	UNKNOWN ALKANE	28.74	2	J
9.				
10.				
11.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW09

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5141

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/13/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethylphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy) methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW09

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5141

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/13/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	1	J
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870007

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5142

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/13/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	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
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW10

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70870

Matrix: (soil/water) WATER Lab Sample ID: 70870007

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S2B5142

Level: (low/med) LOW Date Received: 06/10/00

% Moisture: _____ decanted: (Y/N) _____ Date Extracted: 06/13/00

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/21/00

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO. COMPOUND Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	2	J
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870007

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5142

Level: (low/med) LOW

Date Received: 06/10/00

% Moisture: _____ decanted: (Y/N)____

Date Extracted: 06/13/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.58	2	J
2. 112-88-9	1-OCTADECENE	20.03	2	NJ
3.	UNKNOWN ALKANE	24.36	3	J
4.	UNKNOWN	25.14	35	J
5.	UNKNOWN ALKANE	26.17	3	J
6.	UNKNOWN ALKANE	27.34	4	J
7.				
8.				
9.				
10.				
11.				
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30.				

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS07

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) SOIL

Lab Sample ID: 70870002

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: E2B9827F

% Moisture: 31 decanted: (Y/N) N

Date Received: 06/10/00

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 06/15/00

Concentrated Extract Volume: 5000(uL)

Date Analyzed: 06/28/00

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 5.7

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

319-84-6-----	alpha-BHC	2.4	U
319-85-7-----	beta-BHC	2.4	U
319-86-8-----	delta-BHC	2.4	U
58-89-9-----	gamma-BHC (Lindane)	2.4	U
76-44-8-----	Heptachlor	2.4	U
309-00-2-----	Aldrin	2.4	U
1024-57-3-----	Heptachlor epoxide	2.4	U
959-98-8-----	Endosulfan I	2.4	U
60-57-1-----	Dieldrin	4.8	U
72-55-9-----	4,4'-DDE	4.8	U
72-20-8-----	Endrin	4.8	U
33213-65-9-----	Endosulfan II	4.8	U
72-54-8-----	4,4'-DDD	4.8	U
1031-07-8-----	Endosulfan sulfate	4.8	U
50-29-3-----	4,4'-DDT	4.8	U
72-43-5-----	Methoxychlor	24	U
53494-70-5-----	Endrin ketone	4.8	U
7421-93-4-----	Endrin aldehyde	4.8	U
5103-71-9-----	alpha-Chlordane	2.4	U
5103-74-2-----	gamma-Chlordane	2.4	U
8001-35-2-----	Toxaphene	240	U
12674-11-2-----	Aroclor-1016	48	U
11104-28-2-----	Aroclor-1221	96	U
11141-16-5-----	Aroclor-1232	48	U
53469-21-9-----	Aroclor-1242	48	U
12672-29-6-----	Aroclor-1248	48	U
11097-69-1-----	Aroclor-1254	48	U
11096-82-5-----	Aroclor-1260	48	U

Data File: \\AVOGADRO\USERDATA\Organic\svoa\E2.i\000628F.B\E2B9827F.D

Date : 28-JUN-2000 19:56

Client ID: SS07

Sample Info: 70870002,SS07,P0615-BS2

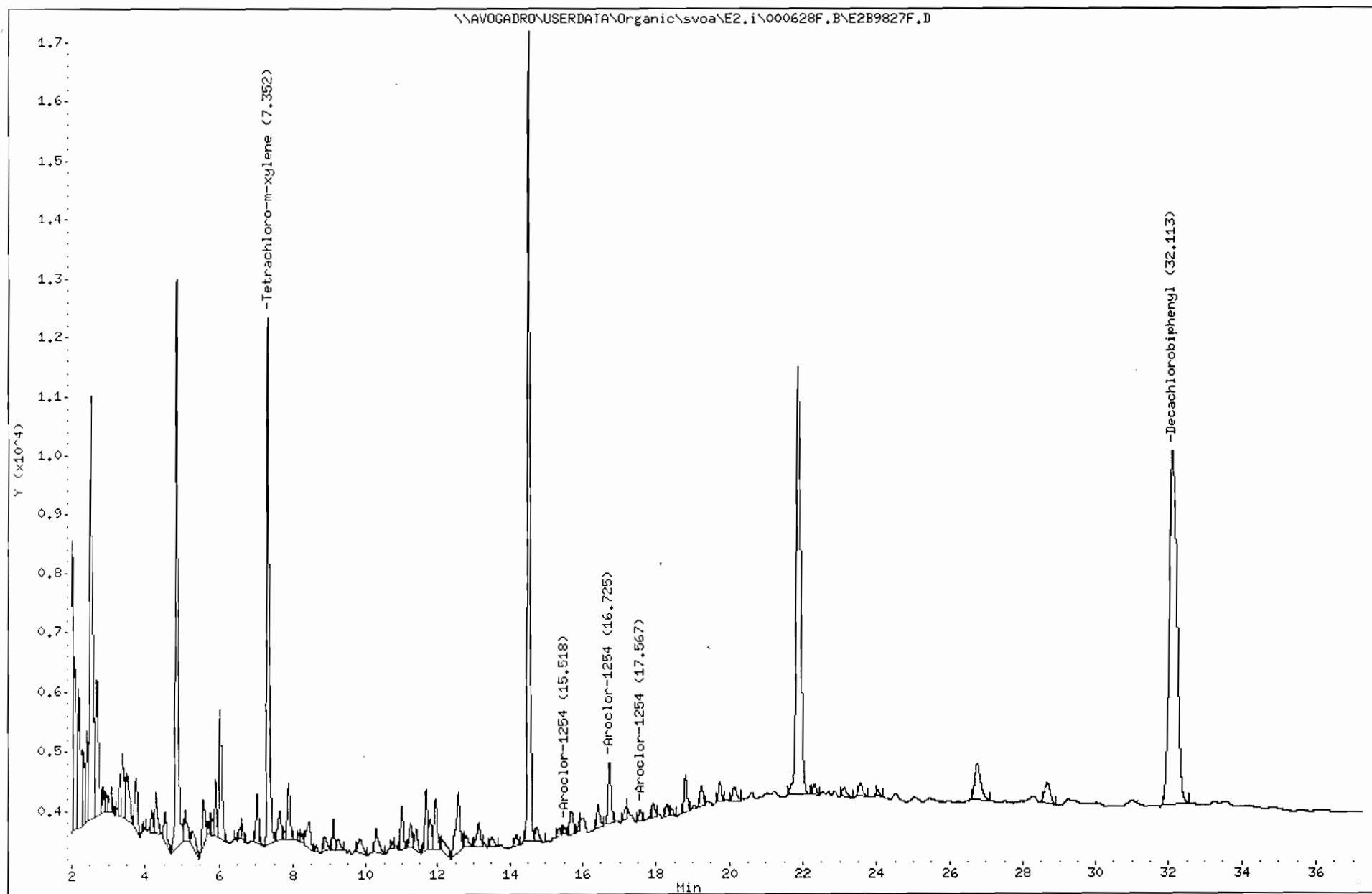
Volume Injected (uL): 1.0

Column phase: DB-5

Instrument: E2.i

Operator: GHL

Column diameter: 0.53



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS08

Lab Name: MITKEM CORPORATION Contract:
Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70870
Matrix: (soil/water) SOIL Lab Sample ID: 70870004
Sample wt/vol: 30.6 (g/mL) G Lab File ID: E2B9880F
% Moisture: 24 decanted: (Y/N) N Date Received: 06/10/00
Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/15/00
Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/30/00
Injection Volume: 1.0(uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) Y pH: 6.7 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6-----	alpha-BHC	2.2	U
319-85-7-----	beta-BHC	2.2	U
319-86-8-----	delta-BHC	2.2	U
58-89-9-----	gamma-BHC (Lindane)	2.2	U
76-44-8-----	Heptachlor	2.2	U
309-00-2-----	Aldrin	2.2	U
1024-57-3-----	Heptachlor epoxide	2.2	U
959-98-8-----	Endosulfan I	2.2	U
60-57-1-----	Dieldrin	4.3	U
72-55-9-----	4,4'-DDE	4.3	U
72-20-8-----	Endrin	4.3	U
33213-65-9-----	Endosulfan II	4.3	U
72-54-8-----	4,4'-DDD	4.3	U
1031-07-8-----	Endosulfan sulfate	4.3	U
50-29-3-----	4,4'-DDT	4.3	U
72-43-5-----	Methoxychlor	22	U
53494-70-5-----	Endrin ketone	4.3	U
7421-93-4-----	Endrin aldehyde	4.3	U
5103-71-9-----	alpha-Chlordane	2.2	U
5103-74-2-----	gamma-Chlordane	2.2	U
8001-35-2-----	Toxaphene	220	U
12674-11-2-----	Aroclor-1016	43	U
11104-28-2-----	Aroclor-1221	86	U
11141-16-5-----	Aroclor-1232	43	U
53469-21-9-----	Aroclor-1242	43	U
12672-29-6-----	Aroclor-1248	43	U
11097-69-1-----	Aroclor-1254	43	U
11096-82-5-----	Aroclor-1260	43	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS09

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) SOIL

Lab Sample ID: 70870006

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: E2B9881F

% Moisture: 20 decanted: (Y/N) N

Date Received: 06/10/00

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 06/15/00

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/30/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.7

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q

319-84-6-----	alpha-BHC	2.1	U
319-85-7-----	beta-BHC	2.1	U
319-86-8-----	delta-BHC	2.1	U
58-89-9-----	gamma-BHC (Lindane)	2.1	U
76-44-9-----	Heptachlor	2.1	U
309-00-2-----	Aldrin	2.1	U
1024-57-3-----	Heptachlor epoxide	2.1	U
959-98-8-----	Endosulfan I	2.1	U
60-57-1-----	Dieldrin	4.1	U
72-55-9-----	4,4'-DDE	4.1	U
72-20-8-----	Endrin	4.1	U
33213-65-9-----	Endosulfan II	4.1	U
72-54-8-----	4,4'-DDD	4.1	U
1031-07-8-----	Endosulfan sulfate	4.1	U
50-29-3-----	4,4'-DDT	4.1	U
72-43-5-----	Methoxychlor	21	U
53494-70-5-----	Endrin ketone	4.1	U
7421-93-4-----	Endrin aldehyde	4.1	U
5103-71-9-----	alpha-Chlordane	2.1	U
5103-74-2-----	gamma-Chlordane	2.1	U
8001-35-2-----	Toxaphene	210	U
12674-11-2-----	Aroclor-1016	41	U
11104-28-2-----	Aroclor-1221	83	U
11141-16-5-----	Aroclor-1232	41	U
53469-21-9-----	Aroclor-1242	41	U
12672-29-6-----	Aroclor-1248	41	U
11097-69-1-----	Aroclor-1254	41	U
11096-82-5-----	Aroclor-1260	41	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) SOIL

Lab Sample ID: 70870008

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: E2B9882F

% Moisture: 58 decanted: (Y/N) N

Date Received: 06/10/00

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 06/15/00

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 06/30/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH: 6.7

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

319-84-6-----	alpha-BHC	4.0	U
319-85-7-----	beta-BHC	4.0	U
319-86-8-----	delta-BHC	4.0	U
58-89-9-----	gamma-BHC (Lindane)	4.0	U
76-44-8-----	Heptachlor	4.0	U
309-00-2-----	Aldrin	4.0	U
1024-57-3-----	Heptachlor epoxide	4.0	U
959-98-8-----	Endosulfan I	4.0	U
60-57-1-----	Dieldrin	7.7	U
72-55-9-----	4,4'-DDE	13	
72-20-8-----	Endrin	7.7	U
33213-65-9-----	Endosulfan II	7.7	U
72-54-8-----	4,4'-DDD	7.7	U
1031-07-8-----	Endosulfan sulfate	7.7	U
50-29-3-----	4,4'-DDT	7.7	U
72-43-5-----	Methoxychlor	40	U
53494-70-5-----	Endrin ketone	7.7	U
7421-93-4-----	Endrin aldehyde	7.7	U
5103-71-9-----	alpha-Chlordane	4.0	U
5103-74-2-----	gamma-Chlordane	4.0	U
8001-35-2-----	Toxaphene	400	U
12674-11-2-----	Aroclor-1016	77	U
11104-28-2-----	Aroclor-1221	160	U
11141-16-5-----	Aroclor-1232	77	U
53469-21-9-----	Aroclor-1242	77	U
12672-29-6-----	Aroclor-1248	77	U
11097-69-1-----	Aroclor-1254	77	U
11096-82-5-----	Aroclor-1260	77	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW07

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B9823F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 06/10/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/15/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 06/28/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW08

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B9824F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 06/10/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/15/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 06/28/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-32-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW09

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870005

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B9825F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 06/10/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/15/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 06/28/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
75-44-3-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70870

Matrix: (soil/water) WATER

Lab Sample ID: 70870007

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E2B9826F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 06/10/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/15/00

Concentrated Extract Volume: 10000(uL)

Date Analyzed: 06/28/00

Injection Volume: 1.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
75-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SW07

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70870

Matrix (soil/water): WATER Lab Sample ID: 70870001

Level (low/med): MED Date Received: 06/10/00

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight):

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	39.3	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	24.1	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	16600			P
7440-47-3	Chromium	0.67	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	1.2	B		P
7439-89-6	Iron	451			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	4230	B		P
7439-96-5	Manganese	61.2			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	1.7	B		P
7440-09-7	Potassium	4490	B		P
7782-49-2	Selenium	5.5			P
7440-22-4	Silver	3.0	U	5	P
7440-23-5	Sodium	9560			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	1.7	B		P
56-12-5	Cyanide	2.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR *666* Texture: *8/4/00*

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SW07F

Lab Name: MITKEM_CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70870

Matrix (soil/water): WATER Lab Sample ID: D70870001

Level (low/med): MED Date Received: 06/10/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight):

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14.7	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	36.5	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	16600			P
7440-47-3	Chromium	0.73	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	1.2	B		P
7439-89-6	Iron	212			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	4210	B		P
7439-96-5	Manganese	58.3			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	1.8	B		P
7440-09-7	Potassium	4600	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	3.0	U		P
7440-23-5	Sodium	9440			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	8.9	B		P
56-12-5	Cyanide	2.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: 466 8/10/00

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

DISSOLVED METALS FOR SW07

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS07

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70870

Matrix (soil/water): SOIL Lab Sample ID: 70870002

Level (low/med): MED Date Received: 06/10/00

% Solids: 78.0

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6950			P
7440-36-0	Antimony	1.3	U		P
7440-38-2	Arsenic	3.4			P
7440-39-3	Barium	48.8	B		P
7440-41-7	Beryllium	0.33	B		P
7440-43-9	Cadmium	1.3			P
7440-70-2	Calcium	966	B		P
7440-47-3	Chromium	8.3			P
7440-48-4	Cobalt	6.1	B		P
7440-50-8	Copper	11.3			P
7439-89-6	Iron	20700			P
7439-92-1	Lead	12.4			P
7439-95-4	Magnesium	2320			P
7439-96-5	Manganese	338			P
7439-97-6	Mercury	0.051	U		CV
7440-02-0	Nickel	13.3			P
7440-09-7	Potassium	621	B		P
7782-49-2	Selenium	1.3	U		P
7440-22-4	Silver	2.0	B	J	P
7440-23-5	Sodium	108	B		P
7440-28-0	Thallium	1.5	U		P
7440-62-2	Vanadium	12.5	B		P
7440-66-6	Zinc	54.2		E J	P
56-12-5	Cyanide	0.12	U		C

66 F 3/9/00

Color Before: BROWN\BLACK Clarity Before: _____ Texture: SANDY\GRAVEL

Color After: LT_ YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SW08

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70870

Matrix (soil/water): WATER Lab Sample ID: 70870003

Level (low/med): MED Date Received: 06/10/00

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight):

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	39.2	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	24.2	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	16700			P
7440-47-3	Chromium	0.58	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	0.95	B		P
7439-89-6	Iron	454			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	4250	B		P
7439-96-5	Manganese	60.3			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	1.8	B		P
7440-09-7	Potassium	4610	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	3.0	U	J	P
7440-23-5	Sodium	9530			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	1.8	B		P
56-12-5	Cyanide	2.0	U		C

CLF
8/19/00

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SW08F

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70870

Matrix (soil/water): WATER Lab Sample ID: D70870003

Level (low/med): MED Date Received: 06/10/00

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight):

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12.0	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	41.3	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	16300			P
7440-47-3	Chromium	0.56	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	2.2	B		P
7439-89-6	Iron	217			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	4120	B		P
7439-96-5	Manganese	56.0			P
7439-97-6	Mercury	0.15	U		CV
7440-02-0	Nickel	1.7	B		P
7440-09-7	Potassium	4490	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	3.0	U		P
7440-23-5	Sodium	9390			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	9.6	B		P
56-12-5	Cyanide	2.0	U		C

8/4/00

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

DISSOLVED_METALS_FOR_SW08

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS08

Lab Name: MITKEM_CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70870

Matrix (soil/water): SOIL Lab Sample ID: 70870004

Level (low/med): MED Date Received: 06/10/00

% Solids: 84.0

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6250			P
7440-36-0	Antimony	1.1	U		P
7440-38-2	Arsenic	1.8	B		P
7440-39-3	Barium	30.7	B		P
7440-41-7	Beryllium	0.33	B		P
7440-43-9	Cadmium	0.92	B		P
7440-70-2	Calcium	588	B		P
7440-47-3	Chromium	7.7			P
7440-48-4	Cobalt	5.2	B		P
7440-50-8	Copper	9.6			P
7439-89-6	Iron	16300			P
7439-92-1	Lead	11.9			P
7439-95-4	Magnesium	2460			P
7439-96-5	Manganese	262			P
7439-97-6	Mercury	0.048	U		CV
7440-02-0	Nickel	11.8			P
7440-09-7	Potassium	441	B		P
7782-49-2	Selenium	1.1	U		P
7440-22-4	Silver	1.5	B	J	P
7440-23-5	Sodium	112	B		P
7440-28-0	Thallium	1.9	B		P
7440-62-2	Vanadium	12.1			P
7440-66-6	Zinc	45.6		E J	P
56-12-5	Cyanide	0.098	U		C

665
8/19/00

Color Before: BLACK\GREEN Clarity Before:

Texture: SAND \GRAVEL

Color After: LT.YELLOW Clarity After: CLEAR

Artifacts:

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SW09

Lab Name: MITKEM_CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70870

Matrix (soil/water): WATER Lab Sample ID: 70870005

Level (low/med): MED Date Received: 06/10/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight):

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	46.4	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	24.5	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	16800			P
7440-47-3	Chromium	0.54	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	1.3	B		P
7439-89-6	Iron	502			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	4280	B		P
7439-96-5	Manganese	60.1			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	1.7	B		P
7440-09-7	Potassium	4650	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	3.0	U	J	P
7440-23-5	Sodium	9740			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	2.5	B		P
56-12-5	Cyanide	2.0	U		C

666 8/9/00

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

NYSDEC - ASP
I
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SW09F

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____

SDG No.: 70870

Matrix (soil/water): WATER Lab Sample ID: D70870005

Level (low/med): MED Date Received: 06/10/00

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight):

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	22.1	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	45.5	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	17400			P
7440-47-3	Chromium	0.57	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	0.90	B		P
7439-89-6	Iron	231			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	4390	B		P
7439-96-5	Manganese	58.2			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	1.8	B		P
7440-09-7	Potassium	4840	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	3.0	U	J	P
7440-23-5	Sodium	10100			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	8.8	B		P
56-12-5	Cyanide	2.0	U		C

66f
8/2/00

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

DISSOLVED_METALS_FOR_SW09

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS09

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70870

Matrix (soil/water): SOIL Lab Sample ID: 70870006

Level (low/med): MED Date Received: 06/10/00

% Solids: 88.0

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7240			P
7440-36-0	Antimony	0.95	U		P
7440-38-2	Arsenic	2.6			P
7440-39-3	Barium	29.3	B		P
7440-41-7	Beryllium	0.48	B		P
7440-43-9	Cadmium	1.3			P
7440-70-2	Calcium	271	B		P
7440-47-3	Chromium	9.5			P
7440-48-4	Cobalt	7.7	B		P
7440-50-8	Copper	13.9			P
7439-89-6	Iron	22300			P
7439-92-1	Lead	11.9			P
7439-95-4	Magnesium	3100			P
7439-96-5	Manganese	191			P
7439-97-6	Mercury	0.052	U		CV
7440-02-0	Nickel	16.6			P
7440-09-7	Potassium	422	B		P
7782-49-2	Selenium	0.95	U		P
7440-22-4	Silver	2.1		J	P
7440-23-5	Sodium	95.9	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	14.4			P
7440-66-6	Zinc	50.7		E J	P
56-12-5	Cyanide	0.099	U		C

Color Before: BLACK\GREEN Clarity Before: CLEAR

Texture: SANDY\GRAVEL

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SW10

Lab Name: MITKEM_CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.:

SDG No.: 70870

Matrix (soil/water): WATER Lab Sample ID: 70870007

Level (low/med): MED Date Received: 06/10/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight):

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	39.2	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	21.3	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	15000			P
7440-47-3	Chromium	0.49	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	1.7	B		P
7439-89-6	Iron	362			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	3800	B		P
7439-96-5	Manganese	41.2			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	1.5	B		P
7440-09-7	Potassium	4040	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	3.0	U		P
7440-23-5	Sodium	8410			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	1.6	B		P
56-12-5	Cyanide	2.0	U		C

06/ 8/9/00

Color Before: COLORLESS Clarity Before: CLEAR

Texture:

Color After: COLORLESS Clarity After: CLEAR

Artifacts:

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SW10F

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70870

Matrix (soil/water): WATER Lab Sample ID: D70870007

Level (low/med): MED Date Received: 06/10/00

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight):

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13.1	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	29.7	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	15700			P
7440-47-3	Chromium	0.49	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	0.50	B		P
7439-89-6	Iron	140			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	3910	B		P
7439-96-5	Manganese	39.2			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	1.5	B		P
7440-09-7	Potassium	4180	B		P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	3.0	U	J	P
7440-23-5	Sodium	8680			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	3.6	B		P
56-12-5	Cyanide	2.0	U		C

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

DISSOLVED_METALS_FOR_SW10

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SS10

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70870

Matrix (soil/water): SOIL Lab Sample ID: 70870008

Level (low/med): MED Date Received: 06/10/00

% Solids: 45.0

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12400			P
7440-36-0	Antimony	1.8	U		P
7440-38-2	Arsenic	6.7			P
7440-39-3	Barium	126			P
7440-41-7	Beryllium	0.79	B		P
7440-43-9	Cadmium	1.6	B		P
7440-70-2	Calcium	3810			P
7440-47-3	Chromium	16.1			P
7440-48-4	Cobalt	6.7	B		P
7440-50-8	Copper	39.1			P
7439-89-6	Iron	15100			P
7439-92-1	Lead	31.8			P
7439-95-4	Magnesium	3370			P
7439-96-5	Manganese	227			P
7439-97-6	Mercury	0.093	U		CV
7440-02-0	Nickel	21.8			P
7440-09-7	Potassium	944	B		P
7782-49-2	Selenium	1.8	U		P
7440-22-4	Silver	1.2	B	J	P
7440-23-5	Sodium	381	B		P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	18.3			P
7440-66-6	Zinc	108		E J	P
56-12-5	Cyanide	0.22	U		C

605 8/10/00

Color Before: DARK_BROWN Clarity Before: _____ Texture: SILTY

Color After: LT_YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

BS01

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70870

Matrix (soil/water): SOIL Lab Sample ID: 70870009

Level (low/med): MED Date Received: 06/10/00

% Solids: 69.0

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15600			P
7440-36-0	Antimony	1.4	U		P
7440-38-2	Arsenic	6.5			P
7440-39-3	Barium	62.3			P
7440-41-7	Beryllium	0.46	B		P
7440-43-9	Cadmium	1.2	B		P
7440-70-2	Calcium	1440			P
7440-47-3	Chromium	20.4			P
7440-48-4	Cobalt	7.6	B		P
7440-50-8	Copper	4.7	B		P
7439-89-6	Iron	21600			P
7439-92-1	Lead	18.8			P
7439-95-4	Magnesium	4440			P
7439-96-5	Manganese	216			P
7439-97-6	Mercury	0.063	U		CV
7440-02-0	Nickel	17.4			P
7440-09-7	Potassium	1070	B		P
7782-49-2	Selenium	1.4	U		P
7440-22-4	Silver	1.5	B	J	P
7440-23-5	Sodium	152	B		P
7440-28-0	Thallium	1.6	U		P
7440-62-2	Vanadium	22.0			P
7440-66-6	Zinc	53.3		E J	P
56-12-5	Cyanide				NR

Get 7/1/02

Color Before: GREY\BROWN Clarity Before: _____ Texture: SILTY

Color After: LT. YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

BS02

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____

SDG No.: 70870

Matrix (soil/water): SOIL Lab Sample ID: 70870010

Level (low/med): MED Date Received: 06/10/00

% Solids: 87.0

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12000			P
7440-36-0	Antimony	1.4	B		P
7440-38-2	Arsenic	5.7			P
7440-39-3	Barium	41.2	B		P
7440-41-7	Beryllium	0.47	B		P
7440-43-9	Cadmium	1.2			P
7440-70-2	Calcium	112	B		P
7440-47-3	Chromium	13.6			P
7440-48-4	Cobalt	10.8	B		P
7440-50-8	Copper	19.5			P
7439-89-6	Iron	21600			P
7439-92-1	Lead	12.4			P
7439-95-4	Magnesium	4380			P
7439-96-5	Manganese	742			P
7439-97-6	Mercury	0.052	U		CV
7440-02-0	Nickel	21.4			P
7440-09-7	Potassium	717	B		P
7782-49-2	Selenium	1.1	U		P
7440-22-4	Silver	1.6	B	J	P
7440-23-5	Sodium	83.7	B		P
7440-28-0	Thallium	1.3	U		P
7440-62-2	Vanadium	16.6			P
7440-66-6	Zinc	52.6		E J	P
56-12-5	Cyanide				NR

605 8/14/00

Color Before: LT. BROWN Clarity Before: _____

Texture: SAND

Color After: LT. YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

BS03

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70870

Matrix (soil/water): SOIL Lab Sample ID: 70870011

Level (low/med): MED Date Received: 06/10/00

% Solids: 84.0

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11000			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	6.3			P
7440-39-3	Barium	49.0			P
7440-41-7	Beryllium	0.47	B		P
7440-43-9	Cadmium	0.95	B		P
7440-70-2	Calcium	253	B		P
7440-47-3	Chromium	11.0			P
7440-48-4	Cobalt	7.3	B		P
7440-50-8	Copper	12.4			P
7439-89-6	Iron	17200			P
7439-92-1	Lead	13.0			P
7439-95-4	Magnesium	3200			P
7439-96-5	Manganese	586			P
7439-97-6	Mercury	0.052	U		CV
7440-02-0	Nickel	16.3			P
7440-09-7	Potassium	438	B		P
7782-49-2	Selenium	1.1			P
7440-22-4	Silver	1.3	B	J	P
7440-23-5	Sodium	89.6	B		P
7440-28-0	Thallium	1.7	B		P
7440-62-2	Vanadium	14.5			P
7440-66-6	Zinc	47.5		E J	P
56-12-5	Cyanide				NR

Color Before: LT_BROWN Clarity Before: _____ Texture: SAND

Color After: LT_YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

BS04

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70870

Matrix (soil/water): SOIL Lab Sample ID: 70870012

Level (low/med): MED Date Received: 06/10/00

% Solids: 85.0

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12200			P
7440-36-0	Antimony	0.94	U		P
7440-38-2	Arsenic	2.5			P
7440-39-3	Barium	42.9			P
7440-41-7	Beryllium	0.40	B		P
7440-43-9	Cadmium	1.1			P
7440-70-2	Calcium	56.1	U		P
7440-47-3	Chromium	14.0			P
7440-48-4	Cobalt	7.0	B		P
7440-50-8	Copper	10.9			P
7439-89-6	Iron	21800			P
7439-92-1	Lead	11.5			P
7439-95-4	Magnesium	3950			P
7439-96-5	Manganese	318			P
7439-97-6	Mercury	0.053	U		CV
7440-02-0	Nickel	16.7			P
7440-09-7	Potassium	611	B		P
7782-49-2	Selenium	0.94	U		P
7440-22-4	Silver	1.6	B	J	P
7440-23-5	Sodium	87.0	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	19.5			P
7440-66-6	Zinc	43.8		E J	P
56-12-5	Cyanide				NR

Q. 4/10/00

Color Before: LT._BROWN_RED Clarity Before: _____

Texture: SILT\CLAY

Color After: LT._YELLOW Clarity After: CLEAR_

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

BS05

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70870

Matrix (soil/water): SOIL Lab Sample ID: 70870013

Level (low/med): MED Date Received: 06/10/00

% Solids: 60.0

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15900			P
7440-36-0	Antimony	1.7	U		P
7440-38-2	Arsenic	2.2	B		P
7440-39-3	Barium	121			P
7440-41-7	Beryllium	0.83	B		P
7440-43-9	Cadmium	0.89	B		P
7440-70-2	Calcium	3940			P
7440-47-3	Chromium	16.0			P
7440-48-4	Cobalt	4.5	B		P
7440-50-8	Copper	13.8			P
7439-89-6	Iron	12700			P
7439-92-1	Lead	41.4			P
7439-95-4	Magnesium	3020			P
7439-96-5	Manganese	190			P
7439-97-6	Mercury	0.091	B		CV
7440-02-0	Nickel	16.4			P
7440-09-7	Potassium	845	B		P
7782-49-2	Selenium	1.7	U		P
7440-22-4	Silver	0.99	U	J	P
7440-23-5	Sodium	244	B		P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	19.1			P
7440-66-6	Zinc	56.9		E J	P
56-12-5	Cyanide				NR

Color Before: BLACK Clarity Before: _____

Texture: SILT

Color After: LT. YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DUP03600

Lab Name: MITKEM_CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 70870

Matrix (soil/water): SOIL Lab Sample ID: 70870015

Level (low/med): MED Date Received: 06/10/00

% Solids: 77.0

Concentration Units (ug/L or mg/kg dry weight):

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12900			P
7440-36-0	Antimony	0.66	U		P
7440-38-2	Arsenic	4.3			P
7440-39-3	Barium	47.1			P
7440-41-7	Beryllium	0.37	B		P
7440-43-9	Cadmium	1.6			P
7440-70-2	Calcium	1390			P
7440-47-3	Chromium	17.8			P
7440-48-4	Cobalt	6.6	B		P
7440-50-8	Copper	5.0	B		P
7439-89-6	Iron	18300			P
7439-92-1	Lead	22.6			P
7439-95-4	Magnesium	3580			P
7439-96-5	Manganese	188			P
7439-97-6	Mercury	0.089	B		CV
7440-02-0	Nickel	16.3			P
7440-09-7	Potassium	29.7	U		P
7782-49-2	Selenium	1.1	U		P
7440-22-4	Silver	2.8	J		P
7440-23-5	Sodium	45.1	B		P
7440-28-0	Thallium	0.44	U		P
7440-62-2	Vanadium	7.0	B		P
7440-66-6	Zinc	46.3	J		P
56-12-5	Cyanide				NR

at 2/9/00

Color Before: TAN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

**Data Validation Report
Mayer Landfill
Blooming Grove, New York
Analytical Laboratory: Mitkem Corporation
Sample Delivery Group SDG 70916**

Analytical results for the SDG's referenced below, from the Mayer Landfill were reviewed to evaluate the data quality. Data were assessed in accordance with the New York State Department of Environmental Conservation (NYSDEC) **Analytical Services Protocol** (10/95) and professional judgement. Where applicable data were validated following the United States Environmental Protection Agency (USEPA) **National Functional Guidelines for Organic Data Review** (October 1999), the United States Environmental Protection Agency (USEPA) **Laboratory Program National Functional Guidelines for Inorganic Data Review** (February 1994) and the USEPA Region II Evaluation of Metals Data (January 1992 HW-2 Revision 11).

This validation pertains to the following samples collected by Environmental Resources Management:

SDG 70916 Samples: DUP061500, SEEP01, SEEP02, TB061500, SEEP01MS, SEEO01MSD, SEEP01DUP

The following items/criteria applicable to the samples listed above were reviewed:

Volatile and Semi-Volatile Data:

- Deliverable Requirements
- Case Narrative
- Holding Times and Sample Preparation
- System Monitoring Compound Recoveries
- Laboratory Control Sample (LCS) Data
- Blank Summary and Data
- GC/MS Tuning and Mass Calibration
- Target Compound Identification/Quantitation
- Quantitation Reports and Mass Spectral Data
- EPA/NIH Mass Spectral Library Search for TICs
- Initial and Continuing Calibration Data
- Internal Standard Areas and Retention Times

Pesticides/PCBs:

- Holding Times
- GC/ECD Instrument Performance Check
- Initial Calibration
- Calibration Verification

- Blanks
- Surrogate Spikes
- Matrix Spikes/Matrix Spike Duplicates
- Laboratory Control Samples/
- Pesticide Cleanup Checks
- Target Compound Identification
- Compound Quantitation and Reported Contract Required Quantitation Limits (CRQLs)

Inorganics:

- Holding Times
- Calibration
- Blanks
- ICP Interference Check Sample
- Laboratory Control Sample
- Duplicate Sample Analysis
- Spike Sample Analysis
- ICP Serial Dilution Analysis
- Graphite Furnace AA (where applicable)
- Field Duplicates

The above items were in compliance with USEPA NYSDEC ASP laboratory QC criteria with the exception of the items discussed in the following text. The data have been validated according to the above procedures.

ORGANIC DATA

VOLATILE DATA

Continuing Calibration

The continuing calibration percent difference for vinyl chloride (39.4%) and 1,1-dichloroethane (25.8%) were above the QC limit of 25%. NYSDEC allows up to two volatile compounds in the continuing calibration to exceed the 25% QC limit, provided the average percent recovery is less than 40%. Therefore, the continuing calibration is considered acceptable and no data were qualified.

SEMIVOLATILE DATA

Matrix Spike/Matrix Spike Duplicate and LCS Control Sample

A matrix spike/matrix spike duplicate was performed on aqueous sample SEEP01. The matrix spike recoveries for 4-chloro-3-methylphenol, 4-nitrophenol, and pentachlorophenol were above the respective upper QC limits. The matrix spike

duplicate percent recovery for 4-chloro-3-methylphenol, 4-nitrophenol, and pentachlorophenol and 2,4-dinitrotoluene were slightly above the respective upper QC limits. Also, the matrix spike duplicate relative percent difference (RPD) for 1,4-dichlorobenzene (30%) was slightly above the QC limit of 28%. USEPA data validation guidelines specify that qualification of data is not performed based on matrix spike or matrix spike duplicate data, unless other information confirms a need for data qualification. With the possible exception of the 2,4-dinitrotoluene, no other data indicates that these data need to be qualified. The percent recovery of 2,2-dinitrotoluene in the LCS sample (98%) was slightly above the upper QC limit of 96%, indicating a potential high bias in samples in which this compound was detected. However, 2,4-dinitrotoluene was not detected in any sample. Therefore, no qualification of these data was required based on the matrix spike, matrix spike duplicate or LCS data.

Initial Calibration

The initial calibration associated with the samples in this SDG exhibited % RSDs for two compounds, 4-chlorophenyl-phenylether (32.6 %) and fluorene (28.0 %) and an average RRF for these two compounds and acenaphthene, that exceeded the NYSDEC QC limits. However, NYSDEC allows up to four compounds to exceed the % RSD and or the average RRF QC criteria provided that the RSDs are below 40% and the average RRF is above 0.01. Therefore, no data were qualified.

Continuing Calibration

The percent difference for 2,4-dimethylphenol (28.9%) in the continuing calibration associated with the samples in this SDG exceeded the QC criteria of 25%. Also the RRF for 4-chlorophenyl-phenylether, fluorene and acenaphthene exceeded the respective QC limits. However, NYSDEC allows up to four compounds to exceed the continuing calibration percent difference QC criteria, provided the percent difference is less than 40 percent and the average RRF is above 0.01 percent. Therefore, the continuing calibration is considered valid and no data were qualified.

PESTICIDE/PCBS

No qualification of data was necessary.

INORGANICS/WET CHEMISTRY

Sample Analysis

Sample SEEP02 was not analyzed for aluminum or manganese.

CRDL Standard

Currently, NYSDEC does not have any control limits for the CRDL standard. However, USEPA Region II has a control limit of 20 percent for sample results within +/- two times the CRDL. The initial and final CRDL standard for silver exhibited percent

recoveries (40 and 41.2) that were below the lower QC limit of 80%, indicating a potential low bias. The initial and final CRDL recoveries for thallium (123.4 and 120.9) were slightly above the upper QC limit of 120%, indicating a potential high bias.

All sample silver results, both non-detects and detected values within the affected range (+/- two times the CRDL) have been qualified as estimated and may be biased low. All positive thallium results within the affected range have been qualified as estimated. The qualified data are considered valid and usable.

Matrix Spike and Laboratory Duplicate

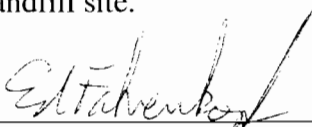
A matrix spike and a laboratory duplicate analysis were performed on sample SEEP01. The matrix spike percent recovery for aluminum (45%) was below the lower QC limit of 75%. The laboratory duplicate RPD (24.9%) was above the 20% QC limit. All sample aluminum results are considered estimated. However, the data are considered valid and usable.

Serial Dilution

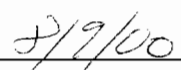
The serial dilution results for aluminum on sample SEEP01 (12.2 exceeded the QC limit of ten percent. Consistent with USEPA data validation guidelines, aluminum results for all samples have been flagged with a "J" and are considered estimated. However, the reported data are valid and usable.

SUMMARY

The data validation indicated that all data are valid and usable. The data are of sufficient quality to make informed decisions with respect to ground water quality at the Mayer Landfill site.



Approved By
Edward G. Fahrenkopf, Jr.



Date

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP061500

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70916

Matrix: (soil/water) WATER

Lab Sample ID: 70916001

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C1934

Level: (low/med) LOW

Date Received: 06/16/00

% Moisture: not dec. _____

Date Analyzed: 06/22/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	5	J
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP061500

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70916

Matrix: (soil/water) WATER

Lab Sample ID: 70916001

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C1934

Level: (low/med) LOW

Date Received: 06/16/00

% Moisture: not dec. _____

Date Analyzed: 06/22/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70916

Matrix: (soil/water) WATER

Lab Sample ID: 70916002

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C1940

Level: (low/med) LOW

Date Received: 06/16/00

% Moisture: not dec. _____

Date Analyzed: 06/22/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	14	
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SEEP01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70916

Matrix: (soil/water) WATER

Lab Sample ID: 70916002

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C1940

Level: (low/med) LOW

Date Received: 06/16/00

% Moisture: not dec. _____

Date Analyzed: 06/22/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP02

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70916

Matrix: (soil/water) WATER

Lab Sample ID: 70916003

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C1936

Level: (low/med) LOW

Date Received: 06/16/00

% Moisture: not dec. _____

Date Analyzed: 06/22/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	3	J
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	62	
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	34	

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SEEP02

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70916

Matrix: (soil/water) WATER

Lab Sample ID: 70916003

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C1936

Level: (low/med) LOW

Date Received: 06/16/00

% Moisture: not dec. _____

Date Analyzed: 06/22/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-45-6	METHANE, CHLORODIFLUORO-	2.19	8	NJ
2. 103-65-1	BENZENE, PROPYL-	12.10	6	NJ
3. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	12.22	6	NJ
4. 108-67-8	BENZENE, 1,3,5-TRIMETHYL-	12.30	13	NJ
5. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	12.77	64	NJ
6. 95-50-1	BENZENE, 1,2-DICHLORO-	13.24	10	NJ
7. 95-36-3	1,2,4-TRIMETHYLBENZENE	13.29	21	NJ
8. 873-66-5	BENZENE, 1-PROPENYL-, (E)-	13.54	14	NJ
9. 91-20-3	NAPHTHALENE	16.00	10	NJ
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB061500

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70916

Matrix: (soil/water) WATER

Lab Sample ID: 70916004

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C1935

Level: (low/med) LOW

Date Received: 06/16/00

% Moisture: not dec. _____

Date Analyzed: 06/22/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB061500

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70916

Matrix: (soil/water) WATER

Lab Sample ID: 70916004

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: V5C1935

Level: (low/med) LOW

Date Received: 06/16/00

% Moisture: not dec. _____

Date Analyzed: 06/22/00

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP061500

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70916

Matrix: (soil/water) WATER

Lab Sample ID: 70916001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5280

Level: (low/med) LOW

Date Received: 06/16/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/19/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

108-95-2-----	Phenol	10	U
111-44-4-----	bis(-2-Chloroethyl) Ether	10	U
95-57-8-----	2-Chlorophenol	10	U
541-73-1-----	1,3-Dichlorobenzene	10	U
106-46-7-----	1,4-Dichlorobenzene	1	J
95-50-1-----	1,2-Dichlorobenzene	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
67-72-1-----	Hexachloroethane	10	U
98-95-3-----	Nitrobenzene	10	U
78-59-1-----	Isophorone	10	U
88-75-5-----	2-Nitrophenol	10	U
105-67-9-----	2,4-Dimethyphenol	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	10	U
111-91-1-----	bis(2-Chloroethoxy)methane	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	10	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	25	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	25	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U
99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP061500

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70916

Matrix: (soil/water) WATER

Lab Sample ID: 70916001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5280

Level: (low/med) LOW

Date Received: 06/16/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/19/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	2	J
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP061500

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70916

Matrix: (soil/water) WATER

Lab Sample ID: 70916001

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5280

Level: (low/med) LOW

Date Received: 06/16/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/19/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 16

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	9.95	2	J
2.	UNKNOWN PAH	10.93	3	J
3.	UNKNOWN	11.36	6	J
4.	UNKNOWN	11.80	2	J
5.	UNKNOWN	13.72	3	J
6.	UNKNOWN	14.29	3	J
7. 134-62-3	DIETHYLTOLUAMIDE	15.25	50	NJ
8. 119-39-1	PHTHALAZIN-1-ONE	15.42	3	NJ
9. 126-73-8	PHOSPHORIC ACID TRIBUTYL EST	15.79	5	J
10. 934-34-9	2 (3H) -BENZOTHAZOLONE	16.35	20	NJ
11.	UNKNOWN	16.67	3	J
12. 77-21-4	GLUTETHIMIDE	18.12	3	NJ
13.	UNKNOWN	18.62	7	J
14.	UNKNOWN	20.15	2	J
15. 80-05-7	PHENOL, 4,4' - (1-METHYLETHYL	20.56	4	NJ
16.	UNKNOWN	21.97	24	J
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FORM I SV-TIC

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70916

Matrix: (soil/water) WATER

Lab Sample ID: 70916002

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5281

Level: (low/med) LOW

Date Received: 06/16/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/19/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	Q
108-95-2-----	Phenol	10 U
111-44-4-----	bis(-2-Chloroethyl) Ether	10 U
95-57-8-----	2-Chlorophenol	10 U
541-73-1-----	1,3-Dichlorobenzene	10 U
106-46-7-----	1,4-Dichlorobenzene	2 J
95-50-1-----	1,2-Dichlorobenzene	10 U
95-48-7-----	2-Methylphenol	10 U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10 U
106-44-5-----	4-Methylphenol	10 U
621-64-7-----	N-Nitroso-di-n-propylamine	10 U
67-72-1-----	Hexachloroethane	10 U
98-95-3-----	Nitrobenzene	10 U
78-59-1-----	Isophorone	10 U
88-75-5-----	2-Nitrophenol	10 U
105-67-9-----	2,4-Dimethylphenol	10 U
120-83-2-----	2,4-Dichlorophenol	10 U
120-82-1-----	1,2,4-Trichlorobenzene	10 U
91-20-3-----	Naphthalene	1 J
106-47-8-----	4-Chloroaniline	10 U
111-91-1-----	bis(2-Chloroethoxy) methane	10 U
87-68-3-----	Hexachlorobutadiene	10 U
59-50-7-----	4-Chloro-3-methylphenol	10 U
91-57-6-----	2-Methylnaphthalene	10 U
77-47-4-----	Hexachlorocyclopentadiene	10 U
88-06-2-----	2,4,6-Trichlorophenol	10 U
95-95-4-----	2,4,5-Trichlorophenol	25 U
91-58-7-----	2-Chloronaphthalene	10 U
88-74-4-----	2-Nitroaniline	25 U
131-11-3-----	Dimethylphthalate	10 U
208-96-8-----	Acenaphthylene	10 U
606-20-2-----	2,6-Dinitrotoluene	10 U
99-09-2-----	3-Nitroaniline	25 U
83-32-9-----	Acenaphthene	10 U

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70916

Matrix: (soil/water) WATER

Lab Sample ID: 70916002

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5281

Level: (low/med) LOW

Date Received: 06/16/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/19/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	3	J
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	10	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SEEP01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70916

Matrix: (soil/water) WATER

Lab Sample ID: 70916002

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5281

Level: (low/med) LOW

Date Received: 06/16/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/19/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

Number TICs found: 17

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	9.96	3	J
2. 25395-31-7	1,2,3-PROPANETRIOL, DIACETAT	11.34	24	NJ
3.	UNKNOWN	11.75	2	J
4.	UNKNOWN	13.71	3	J
5. 134-62-3	DIETHYLTOLUAMIDE	15.24	3	NJ
6. 119-39-1	PHTHALAZIN-1-ONE	15.42	2	NJ
7. 126-73-8	PHOSPHORIC ACID TRIBUTYL EST	15.79	5	NJ
8. 934-34-9	2(3H)-BENZOTHAZOLONE	16.36	23	NJ
9.	UNKNOWN	16.68	4	J
10. 57-10-3	HEXADECANOIC ACID	18.62	4	NJ
11.	UNKNOWN	19.40	3	J
12.	UNKNOWN	20.15	3	J
13. 80-05-7	PHENOL, 4,4'-(1-METHYLETHYLI	20.56	5	NJ
14.	UNKNOWN	21.20	16	J
15.	UNKNOWN	21.97	15	J
16. 7225-64-1	HEPTADECANE, 9-OCTYL-	24.75	0.6	NJ
17.	UNKNOWN	25.32	1	J
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP02

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70916

Matrix: (soil/water) WATER

Lab Sample ID: 70916003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5284

Level: (low/med) LOW

Date Received: 06/16/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/19/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/30/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2-----	Phenol	10 U	
111-44-4-----	bis(-2-Chloroethyl) Ether	10 U	
95-57-8-----	2-Chlorophenol	10 U	
541-73-1-----	1,3-Dichlorobenzene	10 U	
106-46-7-----	1,4-Dichlorobenzene	6 J	
95-50-1-----	1,2-Dichlorobenzene	1 J	
95-48-7-----	2-Methylphenol	10 U	
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10 U	
106-44-5-----	4-Methylphenol	10 U	
621-64-7-----	N-Nitroso-di-n-propylamine	10 U	
67-72-1-----	Hexachloroethane	10 U	
98-95-3-----	Nitrobenzene	10 U	
78-59-1-----	Isophorone	10 U	
88-75-5-----	2-Nitrophenol	10 U	
105-67-9-----	2,4-Dimethyphenol	10 U	
120-83-2-----	2,4-Dichlorophenol	10 U	
120-82-1-----	1,2,4-Trichlorobenzene	10 U	
91-20-3-----	Naphthalene	6 J	
106-47-8-----	4-Chloroaniline	10 U	
111-91-1-----	bis(2-Chloroethoxy) methane	10 U	
87-68-3-----	Hexachlorobutadiene	10 U	
59-50-7-----	4-Chloro-3-methylphenol	10 U	
91-57-6-----	2-Methylnaphthalene	1 J	
77-47-4-----	Hexachlorocyclopentadiene	10 U	
88-06-2-----	2,4,6-Trichlorophenol	10 U	
95-95-4-----	2,4,5-Trichlorophenol	25 U	
91-58-7-----	2-Chloronaphthalene	10 U	
88-74-4-----	2-Nitroaniline	25 U	
131-11-3-----	Dimethylphthalate	10 U	
208-96-8-----	Acenaphthylene	10 U	
606-20-2-----	2,6-Dinitrotoluene	10 U	
99-09-2-----	3-Nitroaniline	25 U	
83-32-9-----	Acenaphthene	10 U	

FORM I SV-1

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP02

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70916

Matrix: (soil/water) WATER

Lab Sample ID: 70916003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5284

Level: (low/med) LOW

Date Received: 06/16/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/19/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/30/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine (1)	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
91-94-1-----	3,3'-Dichlorobenzidine	10	U
56-55-3-----	Benzo (a) anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	3	J
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo (b) fluoranthene	10	U
207-08-9-----	Benzo (k) fluoranthene	10	U
50-32-8-----	Benzo (a) pyrene	10	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	10	U
53-70-3-----	Dibenzo (a,h) anthracene	10	U
191-24-2-----	Benzo (g,h,i) perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SEEP02

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70916

Matrix: (soil/water) WATER

Lab Sample ID: 70916003

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S2B5284

Level: (low/med) LOW

Date Received: 06/16/00

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 06/19/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 06/30/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 26

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.58	3	J
2. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	8.14	15	NJ
3. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	8.55	7	NJ
4.	UNKNOWN	10.00	4	J
5.	UNKNOWN	10.24	3	J
6. 2039-89-6	BENZENE, 2-ETHENYL-1,4-DIMET	10.37	4	NJ
7.	UNKNOWN	10.99	2	J
8.	UNKNOWN	11.62	2	J
9.	UNKNOWN	11.74	5	J
10. 98-54-4	PHENOL, P-TERT-BUTYL-	12.05	4	NJ
11. 85-44-9	PHthalic ANHYDRIDE	12.42	2	NJ
12.	UNKNOWN	12.83	4	J
13.	UNKNOWN	13.25	3	J
14.	UNKNOWN	13.75	3	J
15. 134-62-3	DIETHYLTOLUAMIDE	15.25	5	NJ
16. 119-39-1	PHthalAZIN-1-ONE	15.44	4	NJ
17. 140-66-9	PHENOL, 4-(1,1,3,3-TETRAMETH	15.53	6	NJ
18. 126-73-8	PHOSPHORIC ACID TRIBUTYL EST	15.80	9	NJ
19. 934-34-9	2(3H)-BENZOTHAZOLONE	16.41	42	NJ
20.	UNKNOWN	16.52	3	J
21.	UNKNOWN	16.71	8	J
22.	UNKNOWN	18.38	1	J
23.	UNKNOWN	20.16	12	J
24. 80-05-7	PHENOL, 4,4'-(1-METHYLETHYL	20.57	6	NJ
25.	UNKNOWN	21.24	8	J
26.	UNKNOWN	21.98	22	J
27.				
28.				
29.				
30.				

FORM I SV-TIC

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP061500

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70916

Matrix: (soil/water) WATER Lab Sample ID: 70916001

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4A1813F

% Moisture: _____ decanted: (Y/N) _____ Date Received: 06/16/00

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/20/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/28/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
			Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP01

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70916

Matrix: (soil/water) WATER

Lab Sample ID: 70916002

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E4A1814F

% Moisture: _____ decanted: (Y/N) _____

Date Received: 06/16/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 06/20/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 06/28/00

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SEEP02

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70916

Matrix: (soil/water) WATER Lab Sample ID: 70916003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4A1817F

% Moisture: _____ decanted: (Y/N) _____ Date Received: 06/16/00

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/20/00

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/28/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-93-4-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U
12674-11-2-----	Aroclor-1016	1.0	U
11104-28-2-----	Aroclor-1221	2.0	U
11141-16-5-----	Aroclor-1232	1.0	U
53469-21-9-----	Aroclor-1242	1.0	U
12672-29-6-----	Aroclor-1248	1.0	U
11097-69-1-----	Aroclor-1254	1.0	U
11096-82-5-----	Aroclor-1260	1.0	U

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DUP061500

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70916__

Matrix (soil/water): WATER__ Lab Sample ID: 70916001__

Level (low/med): MED__ Date Received: 06/16/00__

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight):

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5570		E*N J	P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	208			P
7440-41-7	Beryllium	0.22	B		P
7440-43-9	Cadmium	3.6	B		P
7440-70-2	Calcium	104000			P
7440-47-3	Chromium	2.4	B		P
7440-48-4	Cobalt	25.9	B		P
7440-50-8	Copper	9.7	B		P
7439-89-6	Iron	61200			P
7439-92-1	Lead	8.1			P
7439-95-4	Magnesium	10500			P
7439-96-5	Manganese	12900			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	32.5	B		P
7440-09-7	Potassium	5910			P
7782-49-2	Selenium	76.1			P
7440-22-4	Silver	8.1	B	J	P
7440-23-5	Sodium	9540			P
7440-28-0	Thallium	6.0	U	*	P
7440-62-2	Vanadium	8.9	B		P
7440-66-6	Zinc	41.1			P
56-12-5	Cyanide	3.0	B		C

Color Before: TAN__ Clarity Before: CLOUDY *EGG 8/9/00* Texture: _____

Color After: YELLOW__ Clarity After: SLIGHTLY_CLOUDY Artifacts: _____

Comments: _____

NYSDEC - ASP
I
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SEEP01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____

SDG No.: 70916

Matrix (soil/water): WATER Lab Sample ID: 70916002

Level (low/med): MED Date Received: 06/16/00

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight):

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4320		E*N J	P
7440-36-0	Antimony	5.2	B		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	216			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	3.5	B		P
7440-70-2	Calcium	103000			P
7440-47-3	Chromium	0.53	B		P
7440-48-4	Cobalt	26.0	B		P
7440-50-8	Copper	7.9	B		P
7439-89-6	Iron	60000			P
7439-92-1	Lead	5.4			P
7439-95-4	Magnesium	9760			P
7439-96-5	Manganese	13400			P
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	31.4	B		P
7440-09-7	Potassium	5650			P
7782-49-2	Selenium	68.9			P
7440-22-4	Silver	7.1	B	J	P
7440-23-5	Sodium	9240			P
7440-28-0	Thallium	11.3		*J	P
7440-62-2	Vanadium	5.7	B		P
7440-66-6	Zinc	30.7			P
56-12-5	Cyanide	2.0	U		C

66E 2/9/00

Color Before: TAN Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: SLIGHTLY_CLOUDY Artifacts: _____

Comments: _____

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SEEP02

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70916__

Matrix (soil/water): WATER Lab Sample ID: 70916003

Level (low/med): MED Date Received: 06/16/00

% Solids: _____

Concentration Units (ug/L or mg/kg dry weight):

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum			~~✓~~	NR
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	211			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	5.5			P
7440-70-2	Calcium	65100			P
7440-47-3	Chromium	0.40	U		P
7440-48-4	Cobalt	3.1	B		P
7440-50-8	Copper	0.50	U		P
7439-89-6	Iron	101000			P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	8030			P
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.13	U		CV
7440-02-0	Nickel	13.4	B		P
7440-09-7	Potassium	9930			P
7782-49-2	Selenium	88.5			P
7440-22-4	Silver	11.6		J	P
7440-23-5	Sodium	8850			P
7440-28-0	Thallium	6.0	U	*	P
7440-62-2	Vanadium	0.95	B		P
7440-66-6	Zinc	6.7	B		P
56-12-5	Cyanide	2.0	U		C

Color Before: TAN Clarity Before: CLOUDY Texture: _____

Color After: YELLOW Clarity After: SLIGHTLY_CLOUDY Artifacts: _____

Comments:

R

TABLE 34
Chemicals of Potential Concern in Soil
Volatiles
Mayer Landfill, Blooming Grove, New York

CONSTITUENT (ug/kg)	Recommended Soil Cleanup Objective	Maximum Detected Concentration
Chloromethane	-	2J
Methylene chloride	100	19J
Acetone	200	1200 DB
Carbon disulfide	2700	82J
1,1-Dichloroethane	200	3J
1,2-Dichloroethene (Total)	300	2J
Chloroform	300	11
1,2-Dichloroethane	100	2J
2-Butanone	300	330
1,1,1-Trichloroethane	800	69
Trichloroethene	700	11J
Benzene	60	200
4-Methyl-2-pentanone	1000	2J
2-Hexanone	-	2J
Tetrachloroethene	1400	4J
Toluene	1500	210
Chlorobenzene	1700	2200
Ethylbenzene	5500	240
Styrene	-	2J
Xylene (total)	1200	3000

TABLE 35
Chemicals of Potential Concern in Soil
Semi Volatiles
Mayer Landfill, Blooming Grove, New York

	Recommended Soil Cleanup Objective	Maximum Detected Concentration
CONSTITUENT(ug/kg)		
1,4-Dichlorobenzene	8500	2900
1,2-Dichlorobenzene	7900	1200
4-Methylphenol	900	600
1,2,4-Trichlorobenzene	3400	350 DJ
Naphthalene	13000	6900 D
4-Chloroaniline	220 or MDL	150 J
2-Methylnaphthalene	36400	2800 DJ
2-Chloronaphthalene	-	160 J
Acenaphthylene	41000	87 J
Acenaphthene	50000	360 J
Dibenzofuran	6200	320 J
Diethyl phthalate	7100	1400
Fluorene	50000	520
N-Nitrosodiphenylamine	-	290 J
Phenanthrene	50000	2700
Anthracene	50000	490
Carbazole	-	500
Di-n-butylphthalate	8100	5800
Fluoranthene	50000	2700 DJ
Pyrene	50000	2700 DJ
Butylbenzylphthalate	50000	11000 D
Benzo(a)anthracene	224 or MDL	460
Chrysene	400	450
bis(2-Ethylhexyl) phthalate	50000	240000 D
Di-n-octylphthalate	50000	26000 DJ
Benzo(b)fluoranthene	1100	410
Benzo(k)fluoranthene	1100	190 J
Benzo(a)pyrene	61 or MDL	850 DJ
Indeno(1,2,3-cd)pyrene	3200	170 J
Benzo(g,h,i)perylene	50000	490 DJ

MDL: Method Detection Limit

TABLE 36
Chemicals of Potential Concern in Soil
Pesticides/PCBs
Mayer Landfill, Blooming Grove, New York

	Recommended Soil Cleanup Objective	Maximum Detected Concentration
CONSTITUENT (µg/Kg)		
alpha-BHC	110	15 PJ
beta-BHC	200	16 J
delta-BHC	300	14 P
gamma-BHC (Lindane)	60	5.4 P
Heptachlor	100	29 P
Aldrin	41	64 PD
Heptachlor epoxide	20	36 P
Endosulfan I	900	12
Dieldrin	44	53 P
4,4'-DDE	2100	67 P
Endosulfan II	900	26 P
4,4'-DDD	2900	66 PD
Endosulfan sulfate	1000	12 P
4,4'-DDT	2100	13 P
Methoxychlor	10000	67 P
Endrin ketone	-	9 P
Endrin aldehyde	-	14 P
alpha-Chlordane	540	16
gamma-Chlordane	540	32 P
Aroclor-1242	1000/10000(1)	1300
Aroclor-1254	1000/10000(1)	2000

(1) Surface/subsurface cleanup objective.

TABLE 37
Chemicals of Potential Concern in Soil
Inorganics
Mayer Landfill, Blooming Grove, New York

CONSTITUENT (mg/kg)	Recommended Soil Cleanup Objective	Maximum Detected Concentration	95 % UCL of Average Site Background Mayer Landfill
Aluminum	SB	47984	14319
Antimony	SB	346	2.0
Arsenic	7.5 or SB	32.5	7.0
Barium	300 or SB	1220	80
Beryllium	0.16 or SB	2.55 B	0.6
Cadmium	1 or SB	13.5	1.41
Calcium	SB	38900	2946
Chromium	10 or SB	339	18.5
Cobalt	30 or SB	48.08	9
Copper	25 or SB	2210	17.5
Iron	2000 or SB	417705	23723
Lead	SB	3130	27.8
Magnesium	SB	19144	4390
Manganese	SB	3549	514
Mercury	0.1	1.1 N	0.1
Nickel	13 or SB	458	18.6
Potassium	SB	4666	1041
Selenium	2 or SB	413	1.4
Silver	SB	47.2	2.2
Sodium	SB	2080	162
Thallium	SB	29.1 B	2.4
Vanadium	150 or SB	83 B	23
Zinc	20 or SB	1970	55.3
Cyanide	-	14.7	-

SB = Site background

S

TABLE 38
Chemicals of Potential Concern in Groundwater
Volatiles
Mayer Landfill, Blooming Grove, New York

CONSTITUENT (ug/l)	NYSDOH Drinking Water Standard	NYSDEC Class GA Standard	Maximum Detected Concentration
Methylene chloride	5	5	1 JB
Acetone	50	50(1)	45
Benzene	5	1	8 J
4-Methyl-2-pentanone	50	-	2 J
2-Hexanone	50	50(1)	2 J
Toluene	5	5	1 J
Chlorobenzene	5	5	57
Ethylbenzene	5	5	34
Xylene (total)	5	5	43

(1) Guidance Value

TABLE 39
Chemicals of Potential Concern in Groundwater
Semivolatiles
Mayer Landfill, Blooming Grove, New York

DATE CONSTITUENT(ug/l)	NYSDOH Drinking Water Standard	NYSDEC Class GA Standard	Maximum Detected Concentration
1,4-Dichlorobenzene	5	3	11
1,2-Dichlorobenzene	5	3	2 J
4-Methylphenol	50	-	11
Naphthalene	50	-	21
2-Methylnaphthalene	50	-	2 J
Dibenzofuran	50	-	1 J
Diethyl phthalate	50	50(1)	3 J
Fluorene	50	50(1)	2 J
N-Nitrosodiphenylamine	50	50(1)	2 J
Phenanthrene	50	50(1)	11
Di-n-butylphthalate	50	50	3 J
bis(2-Ethylhexyl) phthalate	6	5	4 J

(1) Guidance Value

TABLE 40
Chemicals of Potential Concern in Groundwater
Pesticides/PCBs
Mayer Landfill, Blooming Grove, New York

CONSTITUENT (µg/l)	NYSDOH Drinking Water Standard	NYSDEC Class GA Standard	Maximum Detected Concentration
alpha-BHC	50	0.01	0.14 J
gamma-BHC (Lindane)	0.2	0.05	0.34 PJ
Heptachlor	0.4	0.04	0.2
Aldrin	50	ND	0.15 P
Dieldrin	50	0.004	0.14 P
Endrin	2	ND	0.3 P
4,4'-DDD	50	0.3	0.11 PJ
Aroclor-1260	0.5	0.09	2.4 P

ND: Non-Detect

TABLE 41
Chemicals of Potential Concern in Groundwater
Inorganics
Mayer Landfill, Blooming Grove, New York

CONSTITUENT (ug/l)	NYSDOH Drinking Water Standard	NYSDEC Class GA Standard	Maximum Detected Concentration
Aluminum	-	-	4130
Arsenic	50	25	10.9
Barium	2000	1000	206
Beryllium	4	3(1)	0.44 B
Cadmium	5	5	4.5 B
Calcium	-	-	171000
Chromium	100	50	6.8 B
Cobalt	-	-	5.9 B
Copper	-	200	17.2 B
Iron	300	-	67900
Lead	-	25	11
Magnesium	-	35000(1)	51200
Manganese	300	-	5790
Nickel	-	100	41.9
Potassium	-	-	59300
Selenium	50	10	11.4
Silver	100	50	12.1
Sodium	20000(1)	20000	355000
Thallium	2	0.5(1)	4.7 B
Vanadium	-	-	50.3
Zinc	5000	2000(1)	46.8
Cyanide	200	200	10.4

(1) Guidance Value

T

TABLE 42
Chemicals of Potential Concern in Surface Water
Mayer Landfill, Blooming Grove, New York

CONSTITUENT (ug/l)	NYSDEC Class C Surface Water Quality Standard	Maximum Detected Concentration
Volatiles		
Trichloroethene	40(1)	4J
Semi-Volatiles		
Bis(2-ethylhexyl)phthalate	5(1)	2J
Inorganics		
Aluminum	N/A(2)	160 B
Barium	1000(3)	48.5 B
Beryllium	3(4)	0.2 B
Cadmium	5(3)	0.25 B
Calcium	N/A(2)	17400
Chromium	50(3)	0.73 B
Copper	200(3)	2.2 B
Iron	300(5)	629
Magnesium	35000(3)	4390 B
Manganese	300(5)	64.2
Nickel	100(3)	2.2 B
Potassium	N/A(2)	4840
Selenium	10(3)	6.4
Sodium	N/A(2)	10100
Zinc	2000(4)	21.4

- (1) No Class C standard based on human health effects. Standard listed is the more stringent Class A (Water Supply) standard.
- (2) No human health standard or guidance value for any class surface waters.
- (3) No Class C human health-based standard available. Value listed is the Class A standard for human water supply.
- (4) No Class C human health-based standard available. Value listed is the Class A guidance value for human water supply.
- (5) No Class C human health-based standard available. Value listed is the Class A standard for aesthetics.

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TABLE 43
Chemicals of Potential Concern in Sediment
Volatiles
Mayer Landfill, Blooming Grove, New York

CONSTITUENT (ug/kg)	Cleanup Objective(1)	Maximum Detected Concentration
Methylene chloride	93,000	1J
Acetone	8,000,000	50J
2-Butanone	4,000,000	19J
Trichloroethene	64,000	76J

(1) USEPA Health Based Soil Cleanup Objective (Direct Contact Exposures) as cited in TAGM 4046.

TABLE 44
Chemicals of Potential Concern in Sediment
Semi Volatiles
Mayer Landfill, Blooming Grove, New York

CONSTITUENT(ug/kg)	Cleanup Objective(1)	Maximum Detected Concentration
Phenol	50,000,000	270J
Naphthalene	300,000	62J
Acenaphthylene	-	130J
Acenaphthene	5,000,000	240J
Dibenzofuran	-	80J
Fluorene	50000(2)	250J
Phenanthrene	50000(2)	2900
Anthracene	50000(2)	540J
Carbazole	-	210J
Fluoranthene	50000(2)	5000
Pyrene	50000(2)	4200
Benzo(a)anthracene	224 or MDL	2400
Chrysene	-	2500
bis(2-Ethylhexyl) phthalate	50,000	320
Benzo(b)fluoranthene	-	4000
Benzo(k)fluoranthene	-	1500
Benzo(a)pyrene	61 or MDL	3000
Indeno(1,2,3-cd)pyrene	-	1800
Dibenz(a,h)anthracene	14 or MDL	370J
Benzo(g,h,i)perylene	50000(2)	1500

(1) USEPA Health Based Soil Cleanup Objective (Direct Contact Exposures)
as cited in TAGM 4046.

(2) Value listed in the maximum allowable concentration of SVOCs per TAGM
4046 Table 2 footnote ***

TABLE 45
Chemicals of Potential Concern in Sediment
Pesticides/PCBs
Mayer Landfill, Blooming Grove, New York

CONSTITUENT (µg/kg)	Cleanup Objective(1)	Maximum Detected Concentration
Aldrin	41	8.9P
4,4'-DDE	2100	13

(1) USEPA Health Based Soil Cleanup Objective (Direct Contact Exposures)
as cited in TAGM 4046.

V

TABLE 46
Chemicals of Potential Concern
Mayer Landfill, Blooming Grove, New York

Medium	Soil	Groundwater	Surface Water	Sediment	Landfill Gas
Volatiles	Acetone 2-Butanone Benzene Chlorobenzene Xylene	Benzene Chlorobenzene Ethylbenzene Xylene	None	None	Benzene 2-Butanone Chlorobenzene Chloroethane Chloromethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethene (cis) 1,2-Dichloroethene (trans) Ethylbenzene Styrene Tetrachloroethene Toluene Trichloroethene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene Vinyl Chloride Xylenes Methane
Semivolatiles	Benzo(a)anthracene Chrysene Bis(2-ethylhexyl)phthalate Benzo(a)pyrene	1,4-Dichlorobenzene	None	Benzo(a)anthracene Benzo(a)pyrene Dibenz(a,h)anthracene	
Pesticides/PCBs	Aldrin Heptachlor epoxide Dieldrin PCB-1242 PCB-1254	alpha-BHC gamma-BHC (Lindane) Heptachlor Aldrin Dieldrin Endrin PCB-1260	None	None	
Inorganics	Aluminum Antimony Arsenic Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Mercury Nickel Potassium Selenium Silver Sodium Thallium Zinc	Iron Magnesium Manganese Selenium Sodium Thallium	Iron	Not evaluated	

TABLE 47

Comparison of Maximum Detected Soil Concentrations to Groundwater Protection and Direct Contact Human Health Criteria

CONSTITUENT (ug/kg)	Maximum Detected Concentration	Groundwater Protection Criteria	Direct Contact Criteria
Acetone	1200 DB	110	8000000
2-Butanone	330	300	4000000
Benzene	200	60	24000
Chlorobenzene	2200	1700	2000000
Xylene (total)	3000	1200	200000000
Benzo(a)anthracene	460	3000	224
Chrysene	450	400	NA
bis(2-Ethylhexyl) phthalate	240000 D	435000	2000000
Benzo(a)pyrene	850 DJ	11000	61
Aldrin	64 PD	500	41
Heptachlor epoxide	36 P	20	77
Dieldrin	53 P	100	44
Aroclor-1242	210/1300(1)	10000	1000/10000(1)
Aroclor-1254	ND/2000(1)	10000	1000/10000(1)

(1) Surface/subsurface cleanup objective.

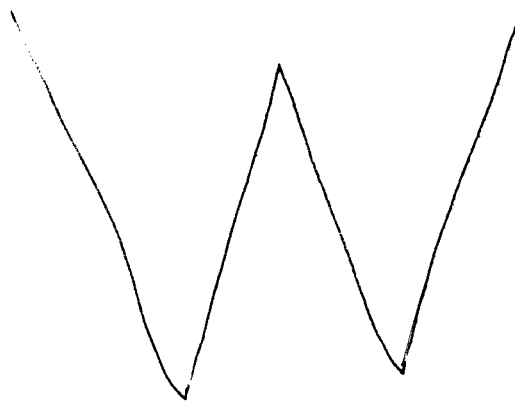


TABLE 48
Mayer Landfill
Dominant Vegetation Identified in Natural Areas
Within One-Half Mile of the Site

#1 DF: Deciduous Forest

Red Oak (*Quercus rubra*)

#2 DF: Deciduous Forest

American Beech (*Fagus grandifolia*), Red Maple (*Acer rubra*), Green Ash (*Fraxinus pennsylvanica*), White Ash (*Fraxinus americana*), Shagbark Hickory (*Carya Ovata*, Ironwood (*Ostrya virginiana*), American Elm (*Ulmus americana*).

#3 CF/DF: Conifer/ Deciduous Forest

Eastern Hemlock (*Tsuga canadensis*), American Beech, Ironwood, Shagbark Hickory.

#4 DFW: Deciduous Forested Wetland/Shallow Emergent Marsh

Red Maple, Phragmites (*Phragmites communis*), Reed Canary Grass (*Phalaris arundinacea*)

#5 SS: Successional Shrub Field

Staghorn Sumac (*Rhus typhina*) Red Maple, Common Juniper (*Juniperus communis*), White Ash, White Pine (*Pinus strobus*), American Elm, Eastern Cottonwood (*Populus deltoides*), Paper Birch (*Betula papyrifera*), Gray Dogwood (*Cornus racemosa*), Golden Rod (*Solidago*), Hawthorn (*Catagus*), Ailanthus (*Ailanthus gladulosa*).

#6 SOF: Successional Old Field

Golden rod species, Queen Anne's Lace (*Daucus carota*), Common Juniper, Grass species, Gray Dogwood.

TABLE 49
Mayer Landfill
Mammal/Amphibian/Reptile Species That Could Potentially Utilize Habitats
Within One-Half Mile Of The Site

COMMON NAME	GENUS AND SPECIES

Mammals

Big Brown Bat	Eptesicus fuscus
Beaver	Custor canadensis
Bobcat	Lynx rufus
Eastern Cottontail	Sylvilagus floridanus
White-tailed Deer	Odocoileus virginiana
Ermine	Mustella erminea
Red Fox	Vulpes vulpes
Mink	Mustella vison
Hairy-tailed Mole	Parascalops breweri
Star-nosed Mole	Condylura cristata
Deer Mouse	Peromyscus maniculatus
House Mouse	Mus musculus
Meadow Jumping Mouse	Zapus hudsonius
Woodland Jumping Mouse	Napaeozapus insignis
Muskrat	Ondatra zibethica
Keen's Myotis	Myotis keenii
Little Brown Myotis	Myotis lucifugus
Virginia Opossum	Didelphis virginiana
Raccoon	Procyon lotor
Norway Rat	Rattus norvegicus
Northern Short-tailed Shrew	Blarina brevicauda
Striped Skunk	Mephitis mephitis
Gray Squirrel	Sciurus carolinensis
Meadow Vole	Microtus pennsylvanicus
Southern Red-backed Vole	Clethrionomys gapperi
Woodland Vole	Microtus pinetroum
Long-tailed Weasel	Mustella frenata
Small Footed Myotis	Myotis leibii
Woodchuck	Marmota monax

Amphibians/Reptiles

Bull Frog	Rana catesbeiana
Green Frog	Rana clamitans
Pickerel Frog	Rana palustris
Wood Frog	Rana sylvatica
Eastern Newt	Notophthalmus viridescens
Spring Peeper	Hyla crucifer
Four-Toed Salamander	Ambystoma maculatum
Brown Snake	Storeria dekayi
Eastern Ribbon Snake	Thamnophis sauritus
Northern Water Snake	Nerodia sipedon
Redbelly Snake	Storeria occipitmaculata
Bog Turtle	Clemmys muhlenbergi
Painted Turtle	Chrysemys picta
Snapping Turtle	Chelydra serpentina
Spotted Turtle	Clemmys guttata

TABLE 50
Manning-Walden Site
Fish Species That Could Potentially Utilize Habitats
On The Site

COMMON NAME	GENUS AND SPECIES
Rock Bass	<i>Ambloplites rupestris</i>
Largemouth Bass	<i>Micropterus salmoides</i>
Smallmouth Bass	<i>Micropterus dolomieu</i>
Bluegill	<i>Lepomis macrochirus</i>
Brown Bullhead	<i>Ictalurus nebulosus</i>
Creek Chub	<i>Semotilus atromaculatus</i>
Pearl Dace	<i>Semotilus margarita</i>
Blacknose Dace	<i>Rhinichthys atratulus</i>
Longnose Dace	<i>Rhinichthys cataractae</i>
Fantail Darter	<i>Etheostoma flabellare</i>
Greenside Darter	<i>Etheostoma blennioides</i>
Nothern Hogsucker	<i>Hypentelium nigricans</i>
Banded Killfish	<i>Fundulus diaphanus</i>
Bluntnose Minnow	<i>Pimephales notatus</i>
Fathead Minnow	<i>Pimephales promelas</i>
Yellow Perch	<i>Perca flavescens</i>
Chain Pickerel	<i>Esox niger</i>
Pumpkinseed	<i>Lepomis gibbosus</i>
Blacknose Shiner	<i>Notropis heterolepis</i>
Golden Shiner	<i>Notemigonus crysoleucas</i>
Spottail Shiner	<i>Notropis hudsonius</i>
Common Shiner	<i>Notropis cornutus</i>
Brook Stickleback	<i>Culaea inconstans</i>
White Sucker	<i>Catostomus commersoni</i>

TABLE 51
Mayer Landfill Site
Bird Species
That Could Potentially Utilize Habitats Within One-Half Mile Of the
Site

COMMON NAME	GENUS AND SPECIES
Red-winged Blackbird	Agelaius phoeniceus
Northern Cardinal	Cardinalis cardinalis
Black-capped Chickadee	Parus atricapillus
Brown-headed Cowbird	Molothrus ater
American Crow	Corvus brachyrhynchos
Mourning Dove	Zenaida macroura
Rock Dove	Columba livia
American Black Duck	Anas rubripes
American Goldfinch	Carduelis tristis
Canada Goose	Branta canadensis
Common Grackle	Quiscalus guiscula
Ruffed Grouse	Bonasa umbellus
Red-tailed Hawk	Buteo jamaicensis
Copper's Hawk	Accipiter cooperii
Ruby-throated Hummingbird	Archilochus colubris
Blue Jay	Cyanocitta cristata
American Kestrel	Falco sparverius
Killdeer	Charadrius vociferus
Mallard	Anas platyrhynchos
Common Nighthawk	Chordeiles minor
White-breasted Nuthatch	Sitta carolinensis
Screech Owl	Otus asio
Common Barn Owl	Tyto alba
Great-horned Owl	Dubo virginianus
Eastern Phoebe	Sayonis phoebe
American Robin	Turdus migratorius
Spotted Sandpiper	Actitis macularia
Song Sparrow	Melospiza melodia
House Sparrow	Passer domesticus
European Starling	Sturnus vulgaris
Barn Swallow	Hirundo rustica
Rough-winged Swallow	Stelgidopteryx ruficollis
Chimney Swift	Chaetura pelagica
Blue-winged Teal	Anas discors
Wild Turkey	Meleagris gallopavo
Yellow Warbler	Dendroica petechia
Cedar Waxwing	Bonbycila cedrorum
Downy Woodpecker	Picoides pubescens
House Wren	Troglodytes aedon
Wood Duck	Aix sponsa
Common Yellowthroat	Geothlypis trichas

TABLE 52
Sediment Sample Metal Results Compared To NYSDEC Sediment Guidelines
Mayer Landfill, Blooming Grove, New York

ANALYTE	NYSDEC SEDIMENT CRITERIA (mg/kg)		SS01	SS02	SS03	SS04	SS05	SS06	SS07	SS08	SS09	SS10
	LOWEST EFFECT LEVEL	SEVERE EFFECT LEVEL	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	6	33	1.5 B	7.5	7.5	5.5	1.7 B	4.3 B	3.4	1.8 B	2.6	6.7
Cadmium	0.6	9	1.2 B	2.1	2.1 EJ	1.3 BEJ	0.86 BEJ	1.3 BEJ	1.3	0.92 B	1.3	1.6 B
Calcium	NS	NS	2050	9860	1110	1160 B	642 B	2310 B	966 B	588 B	271 B	3810
Copper	16	110	20.9	13.7	18.8	13.1	13.4	17.4	11.3	9.6	13.9	39.1
Iron	20,000	40,000	17200	34000	35600	22700	15500	19400	20700	16300	22300	15100
Lead	31	110	35	28.4	29.6	37.4	11.2	23.6	12.4	11.9	11.9	31.8
Manganese	460	1100	211	2410	2430	691	440	265	338	262	191	227
Nickel	16	50	16	19	23.4 EJ	15.5 EJ	14.7 EJ	16.9 EJ	13.3	11.8	16.6	21.8
Silver	1	2.2	1.3 BJ	3 J	3.1	1.8 B	1.2 B	1.4 B	2 BJ	1.5 BJ	2.1 J	1.2 BJ

Bold Exceeds Lowest Effect Level

Exceeds Severe Effect Level

TABLE 53
Organic Compound
Sediment Sample Results Compared To Available Sediment Criteria Guidelines
Mayer Landfill, New York

ANALYTE	NYSDEC SEDIMENT CRITERIA* (ug/kg)	SS01 ug/kg	SS02 ug/kg	SS03 ug/kg	SS04 ug/kg	SS05 ug/kg	SS06 ug/kg	SS07 ug/kg	SS08 ug/kg	SS09 ug/kg	SS10 ug/kg
Phenol	6.1**	590 U	940 U	550 U	270 J	470 U	470 U	660 U	360 J	340 J	410 U
Acenaphthene	1708**	240 J	170 J	550 U	450 U	470 U	470 U	660 U	480 U	440 U	410 U
Fluorene		250 J	220 J	550 U	450 U	470 U	470 U	660 U	480 U	440 U	410 U
Phenanthrene	1464**	2300	2900	170 J	450 U	56 J	470 U	660 U	480 U	440 U	410 U
Anthracene		540 J	530 J	550 U	450 U	470 U	470 U	660 U	480 U	440 U	410 U
Fluoranthene	12,444 **	3500	5000	380 J	450 U	210 J	470 U	660 U	480 U	440 U	410 U
Pyrene		3100	4200	240 J	450 U	140 J	470 U	660 U	480 U	440 U	410 U
Benzo(a)anthracene	15.86*****	1900	2400	120 J	450 U	83 J	470 U	660 U	480 U	440 U	410 U
Chrysene	15.86*****	1900	2500	130 J	450 U	85 J	470 U	660 U	480 U	440 U	410 U
bis(2-Ethylhexyl)phthalate	2,434	550 U	940 U	550 U	220 JS	470 U	470 U	660 U	290 J	220 J	250 J
Benzo(b)fluoranthene	15.86*****	3300	4000	220 J	450 U	150 J	470 U	660 U	480 U	440 U	410 U
Benzo(k)fluoranthene	15.86*****	1100	1500	81 J	450 U	51 J	470 U	660 U	480 U	440 U	410 U
Benzo(a)pyrene	15.86*****	2400	3000	150 J	450 U	89 J	470 U	660 U	480 U	440 U	410 U
Indeno(1,2,3-cd)pyrene	15.86*****	1300	1800	89 J	450 U	53 J	470 U	660 U	480 U	440 U	410 U
Dibenzo(a,h)anthracene		270 J	370 J	550 U	450 U	470 U	470 U	660 U	480 U	440 U	410 U
Benzo(g,h,i)perylene		1100	1500	550 U	450 U	48 J	470 U	660 U	480 U	440 U	410 U
Naphthalene		62 J	550 U	450 U	470 U	470 U	660 U	480 U	440 U	410 U	790 U
Aldrin	9.3	6.7 P	4.0 U	8.9 P	2.2 U	2.4 U	2.4 U	3.4 U	2.4 U	2.2 U	2.1 U
4,4-DDE	12.2 ***	5.6 U	7.9 U	6.2 U	4.3 U	4.7 U	4.6 U	6.5 U	4.8 U	4.3 U	4.1 U

* Based on Site specific TOC average value of 12.2 g/Kg

** Benthic Aquatic Life Chronic Toxicity

*** Wildlife Bioaccumulation/Benthic Aquatic Life Chronic Toxicity

***** Based on human health bioaccumulation

Exceeds Criteria

TABLE 54
Surface Water Analytical Results
Compared To NYSDEC
Surface Water Standards for Protection of Fish Propagation
Mayer Landfill, Blooming Grove, New York

Units	NYSDEC SURFACE WATER STANDARD ug/l	SW01 70843003 ug/l	SW02 70843005 ug/l	SW03 70854001 ug/l	SW04 70854003 ug/l	SW05 70854005 ug/l	SW06 70854007 ug/l	SW07 70870001 ug/l	SW08 70870003 ug/l	SW09 70870005 ug/l	SW10 70870007 ug/l
ANALYTE	ug/l										
Aluminum	100*	160 B	127 B	93.4 B	76 B	70.5 B	41.8 B	39.3 B	39.2 B	46.4 B	39.2 B
Antimony		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Arsenic	150.0	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Barium		21.8 B	21.3 B	21.4 B	21.9 B	22.2 B	21.5 B	24.1 B	24.2 B	24.5 B	21.3 B
Beryllium	11.00	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 B	0.20 U	0.20 U	0.20 U
Cadmium	1.35	0.20 U	0.20 U	0.20 U	0.20 U	0.25 B	0.20 U	0.20 B	0.20 U	0.20 U	0.20 U
Calcium		15500	15100	15600	15800	16000	15700	16600	16700	16800	15000
Chromium	11	0.61 B	0.67 B	0.65 B	0.42 B	0.63 B	0.52 B	0.67 B	0.58 B	0.54 B	0.49 B
Cobalt	5	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Copper	5.55	1.5 B	1.4 B	1.9 B	0.92 B	0.88 B	0.7 B	1.2 B	0.95 B	1.3 B	1.7 B
Iron		629	623	547	565	526	446	451	454	502	362
Lead	2.0	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Magnesium		3820 B	3730 B	4030 B	3930 B	4150 B	3970 B	4230 B	4250 B	4280 B	3800 B
Manganese		64.2 JE	63.4 JE	61.9	63	59.9	54.8	61.2	60.3	60.1	41.2
Mercury	0.77	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.14 U	0.14 U	0.14 U	0.13 U	0.13 U
Nickel	32.37	1.6 B	1.6 B	1.7 B	1.6 B	1.5 B	1.5 B	1.7 B	1.8 B	1.7 B	1.5 B
Potassium		4160 B	3960 B	3990 B	4070 B	4140 B	4060 B	4490 B	4610 B	4650 B	4040 B
Selenium	4.6	5.0 U	5.0 U	5.9	5.9	6.4	5.1	5.5	5.0 U	5.0 U	5.0 U
Silver	0.1	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ
Sodium		8080	7970	8800	8700	9180	8760	9560	9530	9740	8410
Thallium	8	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
Vanadium	14	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Zinc	51.32	5.0 B	2.5 B	2.3 B	2 B	2.6 B	1.2 B	1.7 B	1.8 B	2.5 B	1.6 B
Cyanide	5.2	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

* Standard based on ionic
aluminum, results are total
aluminum

Exceeds Criteria